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CIMdata News

CIMdata Publishes eBook: “Managing and Optimizing Profitability in the Automotive Supply Chain”

27 May 2021

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces the publication of a new eBook focused on the complex problem of managing profitability in the automotive supply chain. This eBook identifies the characteristics of initiatives, solutions, and technologies required to successfully support this critical factor for any company—assuring that their product offerings will be profitable at a winning price. This is especially problematic for automotive suppliers due to complex relationships with their primary customers, the automotive OEMs. Campfire Interactive presents an especially compelling solution suite that enables its customers to win and maintain profitable business. The eBook also documents how several automotive suppliers are using the Campfire solutions to transform their business to new levels of profitability.

All companies operating in a supply chain need to understand the profitability of their product offerings before bidding on each new project. However, computing profitability is a complex undertaking that must consider much more than the simple “Profit = Revenue – Costs” formula. Revenue and cost are themselves financial calculations influenced by numerous variables. This is particularly true when the product’s OEM changes requirements frequently and applies continuous pressure to reduce costs—such is the case in the automotive supply chain. Suppliers are consequently forced to continually analyze profitability on current products while anticipating how to increase profitability on future products. Traditional enterprise solutions such as PLM, CRM, SCM, and ERP certainly provide information germane to the problem, but each lacks the breadth of data and functional capabilities needed to solve the profitability puzzle. This eBook makes the case that Campfire’s solution provides both the ability to aggregate the required data from other enterprise sources (including the ubiquitous Microsoft Excel), as well as external industry data sources, and process that data to provide unique capabilities to manage and optimize profitability.

Mr. Stan Przybylinski, Vice President, CIMdata, stated that “Automotive OEMs have significant buying power, allowing them to call the tune for their Tier 1 and Tier 2 suppliers, making them rapidly submit detailed proposals developed with little solid information. This is a complex multivariate problem that involves functions and systems across the value chain. Campfire Interactive leveraged their deep automotive supply chain knowledge to create a purpose-built solution that is helping leading automotive suppliers manage billions of dollars of booked and pursuit business, helping their customers optimize their business portfolio to maximize their profits.”

Mr. Pradeep Seneviratne, President & CEO of Campfire Interactive, described the CIMdata eBook as an objective source meant for executives pursuing excellence in the area of product profitability management. “We interact daily with automotive supplier executives challenged to manage profitability in what is a highly complex, competitive, and fluid market. Claims from enterprise solutions vendors, such as PLM, ERP, and CRM, cause confusion about the necessary capabilities for a true Product Profitability Management solution. Because CIMdata is a recognized authority within the industry, we invested in this effort with them to educate suppliers on the limitations of traditional enterprise solutions and the advantages of a purpose-built solution from a company focused exclusively on this problem.”

Please download and read the complete eBook

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

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CIMdata's Dr. Ken Versprille to Participate in a Webinar on How Digital Thread Initiatives Can Support Documentation Needs

26 May 2021

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces that Dr. Ken Versprille, Executive Consultant, will lead a discussion at an upcoming webinar entitled, "Documentation completing the Digital Thread." The webinar, sponsored by Oberon Technologies, takes place on Wednesday, 23 June, at 1:00 p.m. EDT.

As part of their product design, manufacturing companies must manufacture and deliver a large volume of associated documentation ranging from product specifications to user manuals. Though there are many automated processes for engineers to collaborate on 3D CAD models and drawings, processes to share textual content are frequently less automated, relying on email exchanges of MSWord, PDF, or PowerPoint documents. The drain on the engineering staff to produce and review this technical content can be a burden and steal their time away from engineering tasks.

This webinar will look at solutions to eliminate the burden on subject-matter experts and documentation teams by allowing them to easily generate and review technical content, store it in a common PLM system, and associate it with other product data, thus completing the Digital Thread.

Attendees will:

- Learn how a collaborative content system can streamline product development.
- Understand why it's important to make it easy for contributors to create XML content.
- Learn how you can use your PLM system to manage both product design and documentation data.

Learn more and register at <https://www.cimdata.com/en/events/cimdata-supported-events/event/630-webinar-documentation-completing-the-digital-thread>.

Acquisitions

Accenture Acquires Industrie&Co to Help Australian Clients Maximise Cloud First Investments and Transform into Digital Businesses

26 May 2021

Accenture has acquired Industrie&Co, a technology consultancy that designs and creates cloud native solutions for enterprises and "born in the cloud" fast emerging companies. The acquisition expands Accenture's Cloud First capabilities in delivering cloud native services for clients, particularly within financial services, as they increasingly transform into digital businesses and build new digital products and services. Terms of the transaction are not being disclosed.

Founded in 2007, and headquartered in Sydney, with offices in Melbourne, Hong Kong and Singapore, Industrie&Co brings to Accenture a deep heritage in cloud infrastructure engineering, offering organisations a comprehensive service suite encompassing capabilities across strategy, design and delivery of cloud products and platforms.

With 173 employees, Industrie&Co has strong financial services experience spanning multiple verticals, including banking, payments, wealth management, superannuation, insurance and capital markets.

The acquisition enables Accenture Cloud First to apply its leading multi-service capabilities and provide clients with an unparalleled combination of industry knowledge, cloud and infrastructure experience,

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and cloud ecosystem leadership.

“Cloud is the foundation for digital transformation and success in the next decade will be defined by the new experiences, products and services that cloud makes possible,” said Karthik Narain, global lead for Accenture Cloud First. “Industrie&Co brings even more cloud-first skills to help Accenture clients innovate with speed, predictability and holistic value as they shape, move and operate their businesses in the cloud.”

Con Zeritis, CEO of Industrie&Co said, “We are delighted to have the opportunity to become part of Accenture, we share entrepreneurial values and ambition to drive innovation, growth and business outcomes. Accenture’s vast client network, global scale and investment in their cloud-first strategy makes for an ideal home to enable us to accelerate our growth objectives for both our clients and team.”

“The Industrie&Co team brings to Accenture a strong industry footprint and culture of innovation, that will enable us to drive growth for our clients,” said Tara Brady, market unit lead for Accenture in Australia and New Zealand. “In the context of a constrained talent market, Industrie&Co’s skills will ensure we are well positioned to continue to accelerate our client’s growth and innovation capabilities.”

Accenture’s acquisition of Industrie&Co follows other investments across Australia and New Zealand in the past 18 months, including operational technology provider Electro 80, supply chain and logistics consulting firm GRA, cloud-native solutions provider Olikka, SAP and cloud solutions technology firm Zag, data analytics and supply chain management company Icon Integration and business strategy and econometrics firm AlphaBeta.

Combined PLM expertise. PROCAD and keytech to merge.

26 May 2021

PROCAD, an international provider of product lifecycle management (PLM) and product data management solutions (PDM), and **keytech**, a leading German provider of mid-market PLM solutions, announced their merger. This step follows closely on ACATEC becoming part of the portfolio of the German based PLM powerhouse PROCAD in March 2021. The merger with keytech now brings together three software manufacturers with successful track records and in-depth experience.

Their combined strengths shall accelerate innovation, with a strong focus on next generation cloud applications and software-as-a-service solutions. Customers will benefit from the joint expertise to simplify and to speed up processes to develop, manufacture, distribute and service products.

Continuous optimization of product lifecycles

By combining their strength to innovate and execute, PROCAD, keytech, and ACATEC strive for a leading role to support manufacturing companies in their digital transformation.

“We are excited about this merger and aspire to be the partner of choice for manufacturers aiming to efficiently orchestrate knowledge across their product lifecycles. Together, we serve approximately 1,350 customers with more than 125,000 users worldwide and we will continue to add up to 100 net new clients annually” states Gerhard Knoch, CEO of PROCAD Group. “With our team of more than 250 employees and our strong network of partners, we will further drive our global growth. Our joint software solutions are highly intuitive and enable companies to successfully manage their product lifecycles in a world of ever-growing complexity.”

“With keytech and PROCAD, we’re bringing together two very experienced companies. When you have two PLM powerhouses combining their strengths and in-depth expertise, one thing is for sure: their combined proven PLM and PDM solutions deliver a substantial efficiency boost to the manufacturing

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sector,” adds Reiner Heimsoth, Founder and CEO of keytech. “And together with ACATEC, an innovation leader in the product configuration and CPQ space, we can now optimize the entire product lifecycle in a way that is even more tightly integrated, from the initial configuration to the finished product. This is PLM integration at its best.”

“Our speedmaxx Enterprise configurator and the PLM solutions from both, keytech and PROCAD, perfectly complement one another. The merger creates by far the best one-stop solution for an all-around smart digital product lifecycle – from product configuration by the customer at the point of sale to manufacturing all the way to distributing and servicing of the product,” points out Henning Bitter, Founder and CEO of ACATEC.

Lectra confirms receipt of regulatory approvals for the Gerber Technology acquisition project

27 May 2021

Following the expiration of the review period by the American regulatory authority, Lectra now has all the regulatory approvals required to finalize the acquisition project of Gerber Technology.

The shareholders will be invited to vote on the resolutions related to the transaction at the June 1, 2021 Shareholders’ Meeting, specially convened for this purpose. A report containing the information on the agenda is available to the shareholders.

The acquisition is expected to become final following the June 1, 2021 Shareholders’ Meeting, subject to approval by the shareholders.

Company News

Accenture, GitHub, Microsoft and ThoughtWorks Launch the Green Software Foundation with the Linux Foundation to Put Sustainability at the Core of Software Engineering

25 May 2021

Accenture, GitHub, Microsoft and ThoughtWorks have founded and launched The Green Software Foundation, a nonprofit organization established with the Linux Foundation and the Joint Development Foundation Projects LLC, that aims to build a trusted ecosystem of people, standards, tooling and leading practices for building green software.

The Green Software Foundation was created out of a mutual desire and need to collaborate across the software industry. Organizations with a shared commitment to sustainability and an interest in green software development are encouraged to join the foundation to help grow the field of green software engineering, create standards for the entire industry, and work together to reduce the carbon emissions of software. The foundation aims to help the software industry contribute to the information and communications technology sector’s broader targets for reducing greenhouse gas emissions by 45% by 2030, in line with the Paris Climate Agreement.

Data centers around the world account for 1% of global electricity demand, and are projected to consume 3-8% in the next decade, making green software development an important priority.

Paul Daugherty, group chief executive — Technology and chief technology officer at Accenture, said, “Sustainability is our greatest responsibility, and this is the decade that organizations must deliver on their promises to improve our communities and our planet. Accenture is proud to be a founding member

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of the Green Software Foundation and we look forward to collaborating with other organizations to evolve the culture of software engineering, so sustainability is embedded by design, contributing to a meaningful reduction in the carbon emissions of computing and making a positive impact on the environment.”

Erica Brescia, chief operating officer, GitHub, said, “We envision a future where carbon-free software is standard—where software development, deployment, and use contribute to the global climate solution without every developer having to be an expert. GitHub is proud to be a founding member of the Green Software Foundation and we remain committed to building an environmentally sustainable home for all developers.”

Mike Dolan, general manager and senior vice president, the Linux Foundation, said, “The software industry and open source software community have both the opportunity and ability to build digital infrastructure with the least possible impact to our environment. We are happy to support the Green Software Foundation and its mission to build a neutral ecosystem for collaboration on standards, tooling and best practices for green software.”

Brad Smith, president, Microsoft, said, “The scientific consensus is clear: the world confronts an urgent carbon problem. It will take all of us working together to create innovative solutions to drastically reduce emissions. Today, Microsoft is joining with organizations who are serious about an environmentally sustainable future to drive adoption of green software development to help our customers and partners around the world reduce their carbon footprint.”

Guo Xiao, president and chief executive officer, ThoughtWorks, said, “Climate change is one of the most pressing challenges faced by humanity and the tech sector contributes a rapidly escalating amount of emissions. At ThoughtWorks, we believe that issues like climate change can only be resolved through global solidarity. Thus, in addition to taking action on our own footprint with our commitment to the Science Based Target Initiative, we are joining the Green Software Foundation as founding members to help our clients, partners and the broader industry drive towards a more sustainable future together.”

The Green Software foundation will focus on the following three key areas:

- **Establish green software industry standards:** The foundation will create and publish green software standards, green patterns and practices across various computing disciplines and technology domains. The group will encourage voluntary adoption and help guide government policy toward those standards for a consistent approach for measuring and reporting green software emissions.
- **Accelerate innovation:** Nurture the creation of trusted open-source and open-data projects that support the creation of green software applications. The foundation will work alongside its non-profit partners and academia to support research into green software.
- **Drive awareness and grow advocacy:** Encourage widespread adoption of green software across the industry through ambassador programs, training and education which leads to certification and events to facilitate the growth of green software.

Alongside founding members, Accenture, GitHub, Microsoft and ThoughtWorks, Goldman Sachs and non-profits including Leaders for Climate Action, Watt Time and The Green Web Foundation have also joined The Green Software Foundation.

Bechtle partners with Virtustream to offer mission-critical cloud services

26 May 2021

Bechtle announced the broad expansion of its cloud portfolio with the addition of mission-critical cloud solutions from Virtustream, a business of Dell Technologies. Virtustream is the enterprise-class cloud company trusted by businesses and organizations globally to transform IT and move their mission-critical applications to the cloud. Virtustream offers the reliability, agility, security, compliance, and performance of a dedicated private cloud, combined with the flexibility, scalability and economic benefits of a public cloud. Bechtle's new offerings use Virtustream cloud services via its own Clouds platform, enabling seamless integration into customers' hybrid and multi-cloud infrastructures.

The new partnership includes services for planning, migrating and running business-critical enterprise applications like those from SAP. With more than a decade of deep experience, Virtustream's cloud solutions and xStreamCare Managed Services are widely trusted for running and optimizing SAP workloads in the cloud. With Virtustream's purpose-built platform and services, helping customers managing complex, mission-critical enterprise applications is efficient, flexible and seamless. As part of this new offering, Bechtle will provide implementation and orchestration services as part of its customized managed services.

Melanie Schüle, Managing Director, Bechtle Clouds: "Our clients look to Bechtle for delivering end-to-end cloud solutions. Virtustream's proven experience with mission-critical applications, such as SAP, further enables Bechtle to deliver on that promise."

"Bechtle's market reach and trusted advisor status combined with Virtustream's deep expertise and purpose-built enterprise-class cloud deliver a very compelling value proposition for customers throughout EMEA," says Virtustream's Chris Bairstow, Vice President of EMEA Sales.

Build Faster. Build Smarter. Build Stronger. - Aurigo Software

24 May 2021

Aurigo Software announced the launch of a strategic program in support of the American Jobs Plan ¹. As public agencies organize to make the most of this historic investment in our nation's infrastructure, they will need modern, cloud-based solutions to plan, build, and maintain their capital assets efficiently. The United States is one of the wealthiest countries in the world, yet its infrastructure often lags behind the rest of the globe, receiving a C- grade from the American Society of Civil Engineers in their recently released 2021 Infrastructure Report Card ².

The proposed infrastructure bill addresses this challenge and aims to create over 19 million jobs for American citizens over the next 10 years. Some of the key elements of the plan include:

- Build world-class transportation infrastructure: fix highways, rebuild bridges, and upgrade ports, airports and transit systems
- Rebuild clean drinking water infrastructure, a renewed electric grid, and expand our high-speed broadband network
- Build, preserve, and retrofit more than two million homes and commercial buildings; modernize our nation's schools, community colleges, and early learning facilities; and upgrade veterans' hospitals and federal buildings.

Aurigo Software is pleased to support the American Jobs Plan with its Masterworks Cloud 2021 platform, offering planners, designers, engineers, and contractors a single source of truth from which to

manage their entire capital program lifecycle. Masterworks empowers public agencies to build faster by speeding up program delivery, build smarter by using artificial intelligence and other innovative technologies, and build stronger by fostering closer relationships and remote collaboration between project stakeholders, both internal and external.

Today, over 40,000 projects across North America use Aurigo Masterworks, including many of the most extensive infrastructure programs underway, such as with Departments of Transportation in Massachusetts, Nevada, Iowa, Utah, Ontario Ministry of Transportation, and the cities of Houston, Seattle, and Las Vegas. Customers typically see a 5% reduction in overall program costs and streamlined business processes allow for faster program approval and delivery. Aurigo is proud to support capital owners as they modernize to meet their communities' 21st-century infrastructure and facility needs.

CADENAS open Competence Center for VDI 3805 / ISO 16757 compliant BIM CAD product data for MEP

27 May 2021

Optimal consulting of component manufacturers by expert team around Karsten Spieß, deputy chairman in the VDI 3805 main committee

The requirements in Mechanical, Electrical and Plumbing (MEP) are continuously increasing. With the growing importance of BIM data in the construction sector, the provision of intelligent product information in MEP is becoming inevitable. CADENAS GmbH is therefore opening a competence center for digital product data for MEP, Building Automation and Electrical Engineering in Weinheim near Heidelberg, South Germany. The background: aspects of energy efficiency, networking of systems, user comfort, economic efficiency and finally the multitude of national and international standards and regulations lead to an increasingly pronounced complexity in the phases of design, construction and operation. Intelligent BIM data provides a remedy here: It not only allows sources of error to be identified before construction begins, it also simplifies facility management and increases efficiency throughout the entire life cycle of a building.

VDI 3805 / ISO 16757 compliant digital product data essential for MEP

The VDI 3805 guideline is used as a standard for the product data exchange format of technical and geometric product properties for the design, construction and operation of plants. The demand for VDI 3805 / ISO 16757 compliant, interdisciplinary product data is therefore increasing rapidly. The newly opened CADENAS competence center is another milestone in the BIM field: It enables individual consulting for manufacturers of BIM components in the creation of structured, classified and digital 3D BIM CAD product data for architects, civil engineers, technical planners and executing construction companies.

Well advised by renowned BIM and VDI 3805 experts at CADENAS

The dedicated BIM team of the new CADENAS branch office includes Karsten Spieß, deputy chairman of the VDI 3805 main committee, as well as Stefanie Enkler. Karsten Spieß has been working successfully in MEP for more than 25 years. After working as a MEP specialist planner, he moved into the field of integral software development and product data management. For 18 years, he has played a key role in the development of guidelines and standards for documentation in building services, including as the author of various sets of rules in the area of product data exchange. Stefanie Enkler and Karsten Spieß are both active members of various committees, associations and working groups (VDI, VDMA, BTGA, DIN, DKE, VDE, ECLASS).

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Together with various associations, manufacturers and cooperation partners, the CADENAS team oversees the development of the VDI 3805 position paper. "VDI 3805 standardizes the collection of required data in order to cover different tasks with access to a standardized product data model. With the help of this standardized data model, calculations, planning, simulations and analyses as well as the operation of MEP systems can be optimally coordinated and thus carried out more easily," explains Spieß. VDI 3805 offers planners all the manufacturer-specific, geometric and alphanumeric information as well as dynamic functions required for the correct design of components, regardless of the CAD software used. Work is already underway to transfer VDI 3805 to the international standard ISO 16757.

Optimal support in the creation of structured, classified BIM product data for over 150 CAD systems

Multi CAD data is essential whenever large construction projects with many different teams are carried out. In most cases, each group works with different CAD or planning systems specialized for their purpose, so that the data often cannot be merged at the end of the planning process. Thanks to the flexible data model of the CADENAS technology for Electronic Product Catalogs, component manufacturers can effortlessly provide countless combinations of BIM product data, no matter which CAD system, Level of Geometry, classification or language is required. The appropriate data can be generated on-the-fly in over 150 native and neutral CAD & BIM formats via a central database.

Karsten Spieß and his team are looking forward to an even more intensive cooperation with manufacturers from the construction industry: "The new CADENAS Competence Center enables us to improve our interlocking with customers from Germany, Austria and Switzerland due to its favorable location. However, there is much more to it: our expertise enables us to give our customers the needed support in the provision and marketing of high-quality 3D BIM CAD models in the form of a digital product catalog. It is our common goal to permanently optimize the catalog technology in order to meet the increasing requirements of the BIM sector."

Cadence Collaborates with TSMC to Accelerate Mobile, AI and Hyperscale Computing Application Development on N3 and N4 Processes

27 May 2021

Cadence Design Systems, Inc. announced that it is expanding its collaboration with TSMC to accelerate mobile, AI and hyperscale computing application design using the integrated Cadence® digital flow and custom/analog tool suite on TSMC's N3 and N4 process technologies. Joint Cadence and TSMC customers have already successfully used the digital and custom/analog tools to complete test chip tapeouts. As part of the collaboration, the Cadence digital and custom/analog tools have been optimized and certified for TSMC's N3 and N4 process technologies, supporting the latest Design Rule Manual (DRM) certification and SPICE correlation. The corresponding N3 and N4 process design kit (PDKs) are available now.

The digital and custom tool suites support the Cadence Intelligent System Design™ strategy, enabling customers to achieve SoC design excellence.

N3 and N4 Digital Flow Certification

The Cadence digital flow has been finely tuned and certified for use on TSMC's N3 and N4 process technologies, providing customers with optimal power, performance and area (PPA) and shortening time to market. The complete RTL-to-GDS flow includes the Innovus™ Implementation System, Liberate™ Characterization Solution, Quantus™ Extraction Solution, Tempus™ Timing Signoff Solution and ECO Option and Voltus™ IC Power Integrity Solution for electromigration and IR drop analysis. In

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addition, the Genus Synthesis Solution and its predictive iSpatial technology is enabled for these process technologies.

Some of the tool suite capabilities that enable customers to successfully design mobile, AI and hyperscale computing applications include: Advanced rule support from synthesis to signoff engineering change orders (ECOs); large libraries containing many multi-height, voltage threshold (VT) and drive strength cells; and low-voltage call characterization and timing analysis accuracy.

N3 and N4 Custom/Analog Tool Suite Certification

TSMC and Cadence have continued to collaborate to optimize custom design methodologies and address complex simulation requirements within Cadence's Virtuoso® and Spectre® environments to improve overall designer efficiency. In support of the collaboration, Cadence delivered an enhanced custom design reference flow (CDRF), and the Virtuoso Design Platform and the Spectre Simulation Platform have achieved TSMC N3 and N4 certifications. Also, the Virtuoso Platform's tight integration with the Innovus Implementation System provides a single, unified environment for TSMC's advanced-node mixed-signal customers.

Custom design flow enhancements for TSMC's N3 and N4 process technologies include an enhanced N3 schematic design migration flow and advanced coloring feature support for both N3 and N4 processes.

"By broadening our collaboration with Cadence, we're providing our customers with certified flows and PDKs they need to quickly adopt the advanced TSMC N3 and N4 process technologies," said Suk Lee, vice president of the Design Infrastructure Management Division at TSMC. "We've seen our customers successfully complete test chip designs and tapeouts on our latest advanced processes and are looking forward to our continued partnership with Cadence to enable next-generation designs for mobile, automotive, AI, and hyperscale applications."

"Our latest collaboration with TSMC has enabled mutual customers to leverage the combined benefits of TSMC's N3 and N4 process technologies using our digital flow and custom flow," said Dr. Chin-Chi Teng, senior vice president and general manager in the Digital & Signoff Group at Cadence. "Our customers have achieved positive results already, and we're looking forward to enabling more incredible innovations, which stem from our dedication to SoC design excellence."

Capgemini and Orange announce plan to create "Bleu", a company to provide a "Cloud de Confiance" in France

27 May 2021

Capgemini and Orange announced their plan to set up a new company named "Bleu" that will intend to provide a "Cloud de Confiance" service which will meet sovereignty requirements of the French State, public administrations and critical infrastructure companies with unique privacy, security and resiliency needs as determined by the French State. Bleu will aim to provide its customers with an independent, trusted cloud platform with a broad catalog of digital solutions and cutting-edge collaborative tools. The partnership provides a significant step forward in accelerating France's digital transformation.

This project will combine the expertise of Capgemini and Orange – two leading French global digital companies – working with Microsoft, to create a French cloud service provider that satisfies the unique needs of a specific set of organizations. Bleu will offer its solutions to Vital Importance Operators (OIVs) and Essential Service Operators (OSEs), the French State, public agencies, hospitals and regional authorities whose sensitive data and workload require a "Cloud de Confiance" platform tailored to their needs. Bleu will offer Microsoft's secure cloud technology including the modern collaboration and

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productivity solutions of Microsoft 365 and the services available on the Microsoft Azure cloud platform, delivered via an independent environment, to ensure that customers benefit from the widest range of the latest technology innovations.

An unprecedented French hyperscale cloud, fully under French and European jurisdictions Bleu will be governed by key requirements regarding sensitive data to ensure that the unique needs of its French customers are met. Firstly, these include providing immunity from all extraterritorial legislation and economic independence – Capgemini and Orange will be the majority investors in Bleu. Secondly, these rely on meeting data transfer requirements and ensuring the full control of cloud-based applications from within an isolated infrastructure that uses data centers located in France. These data centers will therefore be strictly separated from Microsoft’s global data center infrastructure, which guarantees operational autonomy. In addition, Bleu will be entirely operated by its own staff in France. Thus, the services that Bleu will provide should be recognized as a ”Cloud de Confiance” offer by public authorities, since they meet all the requirements necessary to receive the SecNumCloud label by the National Agency for Information Systems Security (ANSSI), as well as legal requirements needed to confirm its status as a ”Cloud de Confiance” operator. In addition, Bleu could later integrate complementary partners in the future.

Bleu will also ultimately join the Gaia-X initiative, of which Orange and Capgemini are members, in order to support the emergence of sovereign solutions on a European level and contribute to the development of this ecosystem.

Aiman Ezzat, CEO of Capgemini, said: *“As a strategic partner to our clients, Capgemini is focused on building the services they need, based on leading technologies and the highest standards. The creation of a ”Cloud de Confiance” for France will provide French State and critical infrastructure organizations with the many benefits of flexible cloud services on a secure platform. Now is the right moment to launch this project which benefits from strong political will and very advanced technologies. We are excited to be partnering with Orange on this pioneering project.”*

Stéphane Richard, Chairman and CEO of Orange, commented: *“This ‘Cloud de Confiance’ meets a growing need in the digital world. The French State recently highlighted this in defining their ‘cloud au centre’ policy and setting out the standards required regarding data protection and sovereignty. Orange, as a trusted partner for the digital transformation of businesses, operates, integrates and manages a range of trusted infrastructure services for its customers, whether they are public or private entities. We are delighted to partner with Capgemini to create a trusted-cloud solution for our existing and future BtoB customers and public organizations that will provide a wide-range of services, and in particular Microsoft 365, from within a sovereign infrastructure.”*

“Establishing a new ‘Cloud de Confiance’ service, which should be recognized by French authorities, through a company founded and led by Capgemini and Orange, will help accelerate France’s digital transformation and meet the standards defined by the French government in its national policy,” said Jean-Philippe Courtois, EVP and President of Microsoft Global Sales, Marketing and Operations. *“This announcement will contribute to France’s economic growth, benefit the national technology and services partner ecosystem, and support the country’s long-term success.”*

In the context of the new cloud strategy announced by the French government, the French National Agency for Information Systems Security (ANSSI) has welcomed this project in light of security and sovereignty pre-requisites.

Commenting on this announcement, Guillaume Poupard, Director General of ANSSI, said: *“In line with France’s national cloud strategy outlined by the Government on May 17, cloud offers must achieve*

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excellency in both performance and trustworthiness. Security criteria must be satisfied on every level, whether these are technical, operational or legal, and this is what ANSSI is aiming to certify through the SecNumCloud label. The overall ambition is to enable users to benefit from the best technologies that are run by trusted players from within an exclusively European legal framework and that these services provide unfailing security. With this in mind, ANSSI enthusiastically welcomes this ambitious project that meets these requirements.”

Further details will be disclosed in due course following the finalization of agreements between the parties and the obtaining of the necessary authorizations from the relevant authorities of this project.

CENIT AG AD-HOC ANNOUNCEMENT: LONG-TERM CEO KURT BENDEL TO LEAVE THE MANAGEMENT BOARD AT THE END OF THE YEAR

27 May 2021

Kurt Bengel, CEO and Spokesman of the Management Board of CENIT Aktiengesellschaft, has informed the Supervisory Board that he will not extend his Management Board contract, which expires as agreed on December 31, 2021.

After more than 33 years at CENIT, including 15 years as a member of the Management Board and CEO, Kurt Bengel will retire from the company and move on to new tasks. In the years of his leadership, he has significantly contributed to the development of CENIT into one of the leading international integrators in the field of product creation processes (PLM) and document management (EIM).

Kurt Bengel: "I decided this some time ago, because after fifteen years on the Management Board, it is time for a change. That is why I had recently extended my contract by only two years. Of course, I am at the Supervisory Board's disposal in the search for a successor."

He will keep fulfilling his duties as CEO and Spokesman of the Management Board until his retirement. The Supervisory Board intends to recruit an outside person to fill the position on the Management Board.

Rainer Koppitz, Chairman of the Supervisory Board: "The Supervisory Board of CENIT AG deeply regrets this decision. We would like to express our sincere appreciation to Kurt Bengel for the many years of trustful and very successful cooperation and wish him all the best and much success for the future."

COVENTRY UNIVERSITY, L&T TECHNOLOGY SERVICES JOIN FORCES TO DEVELOP NEW-AGE SOLUTIONS FOR THE AUTOMOTIVE AND MANUFACTURING SECTOR

24 May 2021

L&T Technology Services Limited, a global leading pure-play engineering services company, announced that it has signed a collaboration agreement with UK's Coventry University to build and deliver new generation engineering solutions for the automotive and manufacturing sectors.

The partnership will see research undertaken in autonomous mobility solutions and vehicle dynamics with the aim of strengthening LTTS' technology capabilities for their global customers. In particular, LTTS and Coventry University will collaborate towards developing technologies and deepening skillsets in Autonomous Driving, EVs and Software Defined Vehicles.

In addition, the university will enable LTTS engineers to acquire advanced knowledge in Automotive

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and Manufacturing Technologies and Sustainability, empowering them to face myriad challenges around technology upgrades.

The partnership is expected to result in the joining of like-minded experts to research and develop new products, processes and services; the building of a talent pool that will impact local and global economies; and a working relationship that connects two global organizations to create change in the transport sector. The University's contribution is being led by the IFTC which conducts research in transport design, electric, connected and autonomous vehicles, cybersecurity and manufacturing technologies.

Abhishek Sinha, Chief Operating Officer and Member of the Board, L&T Technology

Services, said: "The potential of technology and engineering to positively disrupt our lives is limited only by imagination. LTTS' GLOCAL (Global + Local) strategy has helped in strengthening relationships across the globe by breaking barriers and deepening the regional ecosystem comprising talent pool and local economy. The IFTC-LTTS alliance aims to fast track the new-age mobility solutions for the transportation industry across the globe, including aspects of safety and comfort that can benefit millions of commuters. LTTS is delighted to collaborate with Coventry University in scripting a new chapter for transportation engineering services both in UK and globally."

Professor Richard Dashwood, Deputy Vice Chancellor (Research), Coventry University said, "This partnership with LTTS underlines the university's commitment to research with impact, directing the scope of our academic expertise to support the areas where we can make a real difference. As one of the world's leading engineering and technology service providers, LTTS is a natural partner for Coventry University and I look forward to supporting this relationship as it grows to encompass all relevant themes within our research portfolio."

"IFTC is proud to work alongside leading industry partners to deliver our vision of transport solutions fit for the cities of the future. LTTS integrates perfectly with this aim and with work already well underway in key collaboration areas and a number of other topics of interest already identified, I am confident that this will be of immense long-term benefit to both partners," said **Professor Carl Perrin, Chief Executive of IFTC, Coventry University**.

Foundation Software, LLC Brings YouTube Series for Contractors

20 May 2021

Foundation Software, LLC is excited to share best practices in construction technology through a collection of highlight videos on Foundation Software's YouTube channel. The move comes as part of Foundation's larger push to put helpful, educational information in front of contractors.

The highlight video series helps contractors by showing them how to effectively use construction software and offering troubleshooting tips. Some of the covered topics include job costing, AIA billings, Davis Bacon, union and certified payroll reporting, and a variety of other complex problems in construction accounting.

Steve Antill, Foundation Software's Chief Revenue Officer, pointed to the YouTube channel as a great way to provide upstream support for contractors.

"With these videos, contractors can learn how to use our software and services. They provide insight into various areas that contractors may struggle and showcase how technology and tools, like FOUNDATION®, can help them to simplify complex processes," Antill said. "With the industry gaining momentum, staying up-to-date on products and how policy changes affect them can be tough, so we try to make it easier for contractors to get that info."

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In addition to the YouTube video series, Foundation also offers educational resources through its online Learn Center available at www.foundationsoft.com. Articles and other multimedia on industry best practices, policy updates, economic forecasts, updates from partners and industry subject matter experts (SMEs) and testimonials are available to visitors for free.

Some of the featured webinars in the Learn Center include “Subcontractor Technology to Future-Proof Your Business” featured originally on AboutTime/WorkMax’s Mobile Workforce Podcast, “Anirban Basu and the Chamber of Data,” with industry-leading construction economist Anirban Basu, and a four-part webinar series with Ohio-based law firm Hahn Loeser to discuss the legal challenges many contractors may face during the pandemic.

“It’s been great to work together with our partners and other industry experts to help contractors navigate some of the changes caused by the pandemic, and we want to do what we can to make sure they’re ready for when things start to reopen again,” Antill said.

Hexagon and Plex Systems Announce Partnership to Deliver Smart Manufacturing Solutions

24 May 2021

Hexagon, a global leader in sensor, software, and autonomous technologies, and Plex Systems, the leader in cloud-delivered smart manufacturing solutions, today announced a new strategic partnership. The global partnership will enable Hexagon’s Manufacturing Intelligence division and Plex to co-sell Plex MES to Hexagon manufacturing customers, helping them to take control of the plant floor through full visibility and connectivity and realize the promise of Industry 4.0.

“There’s no question that more connected, data-driven approaches to manufacturing are central to bringing better products to market faster and more cost-effectively with confidence.” said Paolo Guglielmini, president of the Manufacturing Intelligence division at Hexagon. “Plex brings valuable experience to our customers, and its impressive open MES solution augments our technologies offering a path to ramp up shop floor efficiency by bringing together data from siloed processes to solve manufacturing problems faster and more collaboratively.”

Hexagon and Plex share a common vision for smart manufacturing, offering manufacturers an incremental path to achieve greater automation and Industry 4.0 adoption. Using Plex’s robust Manufacturing Execution System (MES) with integrated quality control, Hexagon customers will be able to augment their workflows by streaming quality measurements, engineering data and other manufacturing information into Plex’s MES creating a digital system of record in real-time. Manufacturers will benefit from enhanced visibility and control over their inventory and manufacturing processes, while gaining deeper insight, traceability and opportunities for continuous innovation by combining Plex and Hexagon’s digital solutions.

“We are thrilled to partner with Hexagon, an organization that is just as dedicated to delivering smart manufacturing solutions as we are and with a global scale,” said Bill Berutti, CEO at Plex. “Smart manufacturing isn’t something that will happen years down the road ... it’s real, it’s imperative and it’s happening now.”

Hexagon and Plex will partner in opportunities, initially in Europe and India, where Hexagon prospects and customers have MES needs. The combination of Hexagon and Plex for these manufacturers provides a fully digitalised solution from plant measurement and metrology to managing end-to-end production.

“Smart manufacturers are seeking continuous product and process improvements to ensure that quality

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is measured, enforced and managed in a closed-loop across design, production and inspection,” said Reid Paquin, research director, at IDC. “This new partnership will enable manufacturers to do just that and on a global level.”

To learn more about this partnership and Plex MES, check out one of these upcoming events:

- PowerPlex 2021: Hexagon and Plex leaders will present during the “Unbound Vision” session, which will be held virtually on May 26, from 11 a.m. to noon ET. Register now for this or any of the more than 90 sessions at PowerPlex.com. This year’s event is free and runs May 24-26.
- Free Webinar: Leaders from Hexagon and Plex will come together for a one-hour webinar and demo on June 8, from 9-10 a.m. ET. This session is open to anyone responsible for production and manufacturing - everyone who wants to track and document the transformation of raw materials into WIP and finished goods, with efficient real-time production management. Register [here](#).

Hexagon supports new centre for digital planning and construction

27 May 2021

Hexagon’s Geosystems division participates in a new centre at ETH Zurich (Swiss Federal Institute of Technology) as a strategic partner with a donation via the ETH Foundation over six years. The centre for Computationally Augmented Design in Architecture, Engineering and Construction, known as Design++, is intended to help ETH further strengthen its globally leading position in digital design, planning and construction.

The donation from Hexagon will primarily go towards establishing a new professorship for Augmented Computational Design at the Design++ centre. The new centre aims to develop digital instruments and processes that simultaneously improve design, boost productivity in the construction process, increase the quality of buildings and reduce their environmental impact. To this end, the areas of architecture and civil engineering incorporate current knowledge from artificial intelligence, focusing on machine learning and extended reality. The centre and the new professorship aim to build a bridge between architecture, civil engineering, construction and computer science.

“We are pleased to announce the partnership with ETH Zurich and Design ++. We share the ambition, purpose, and entrepreneur spirit with Design ++. We are looking forward to enabling professionals to simultaneously increase productivity, improve the quality of work processes, and substantially reduce the environmental footprint of the AEC industry,” says Thomas Haring, President Hexagon’s Geosystems Division. *“We have ambitious plans in place for AEC, and we are eager to learn more from leading research institutes such as Design++.”*

“Technology innovation is a critical success factor for our business and a key element of our DNA. Becoming a strategic partner of Design++ allows us to bring our core competence into the partnership and enables us to drive together this technology innovation for the AEC industry,” emphasises Burkhard Boeckem, CTO at Hexagon. *“We are looking forward to collaborating in visual computing, immersive design, extended reality, and accelerating intelligence-based technologies in the AEC space through this strong and meaningful partnership.”*

Hexagon is, after Basler & Hofmann, the second strategic partner of Design++. The official opening of the new centre and the Immersive Design Lab (IDL) will take place on 27 May.

LTI Initiates Multi-City Vaccination Drive for Employees and their Family Members

26 May 2021

Larsen & Toubro Infotech, a global technology consulting and digital solutions company has initiated the vaccination drive for its employees and their family members under its 'Break the chain' initiative. This initiative is a part of LTI's comprehensive COVID 19 preparedness program to ensure safety and well-being of its workforce as well as their immediate dependents.

The vaccination drive for employees kick-started today at LTI's Pune – Hinjewadi campus and will be conducted at its other facilities spread across the country (Powai, Mahape, Bengaluru, Hyderabad, Chennai and Delhi/NCR). LTI has partnered with leading healthcare service providers including Jehangir Hospital, Manipal Hospital, Reliance Hospital, Apollo Hospitals, and Sarvodya Hospital to support this initiative.

LTI is following a 2 pronged approach to support its employees during the pandemic: Help & Support and Communicate & Engage. The first step is to help and support as well as address wellness related issues of all employees. The second step involves counselling for employees to overcome anxiety due to prevailing chaotic situation and offer support for their overall well-being.

Sanjay Jalona, CEO & Managing Director, LTI commented: "Vaccines are the modern-day miracle and over the next few weeks, we would be vaccinating thousands of our employees and their loved ones across several cities. We have and will continue to fight the pandemic with our grit and resilience."

The company has also set-up a dedicated in-house quarantine facility at its STPI Campus located at Bengaluru and isolation centres at Mumbai and Bangalore. All these centres are equipped with 24x7 nursing service, Doctor & Medication facilities, dedicated ambulance service on standby, all meals for the day and oxygen concentrators for emergencies.

Additionally, as part of the 'Break the chain' program, LTI has undertaken the following initiatives:

- Intranet and email helpline email as single point of communication in providing authentic and verified information
- Tracking and monitoring all COVID 19 suspect/positive cases in the workforce to ensure necessary support at the earliest
- Tie-up with reputed hospitals to provide employees an access to doctor consultation from the comfort of their homes
- Dedicated Health Insurance Helpline to assist those impacted, with their insurance claim requirements, to help them manage hospitalization and medical expenses
- Virtual emotional/ mental health wellness sessions and personal, confidential counselling sessions to help employees tide over this crisis
- Restructured leave policy that offers additional leaves for employees who test positive and / or are the sole care givers for infected family members at home.
- Tie-up with local food delivery partners to offer easy access to meal facilities to impacted employees and their families

MSCI renews Atos' triple-A rating for the 5th consecutive year in ESG ranking

27 May 2021

Atos announced that it has been awarded the highest triple-A rating in the Morgan Stanley Capital International (MSCI) environmental, social and governance (ESG) ratings 2021, ranking it among the

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top 4% of companies in its industry (the “Software and Service” category). The Group has held the triple-A rating since 2017 and reached this year an all-time high score.

With this assessment, Atos demonstrates its continued commitment to sustainability and its excellence in ESG practices. Atos is a leader in digital decarbonization, supported by its recent commitment to net zero emissions by 2028 and its comprehensive decarbonization portfolio.

In 2021, 140 “Software and Services” companies from the MSCI All Country World Index (ACWI) were assessed based on ESG criteria. The MSCI ESG Ratings report is designated to help institutional investors identify ESG risks and opportunities. MSCI ESG Research is one of the largest providers of ESG data and analysis. Companies are assessed and rated on a ‘AAA’ to ‘CCC’ scale, according to their exposure to industry specific ESG risks, and their ability to manage those risks relative to peers.

Philippe Mareine, Chief Digital & Transformation Officer, Head of CSR at Atos said: *“We are proud to see our sustainability efforts recognized by MSCI once again, as it is a guarantee of confidence for our socially-responsible customers, partners and stakeholders. In 2021, we raised our own decarbonization ambitions to reach “net zero” by 2028, reaffirming that sustainability lies at the very heart of our overall strategy. We have also undertaken new initiatives to foster diversity, digital inclusion, innovation and data security. This rating supports our long-term commitment to helping transition to a more sustainable economy.”*

To learn more, please read the Atos **2020 Integrated Report**

PROS and Diggintravel Redefine the End-to-End Travel Experience

18 May 2021

PROS®, a provider of AI-powered solutions that optimize selling in the digital economy, announced outcomes from the inaugural Airline Digital Retailing Academy, conducted in collaboration with Diggintravel. Airlines from around the globe participated in the comprehensive 5-week training and certification program focusing on how to utilize technology to transform the digital customer experience and fuel post-pandemic recovery. Learnings from the ground-breaking digital course reinforced greater, faster experimentation is essential for defining highly personalized, end-to-end digital travel experiences that ultimately meet passenger preferences.

The advent of new technologies continues to evolve traveler expectations forcing airlines to catch up and meet current demands while anticipating new digital trends. Cohesive, compelling end-to-end digital travel experiences can only be delivered if airline professionals across product, eCommerce, marketing, ancillary and revenue management teams have a holistic, data-informed view of the customer.

To engage travelers and generate demand, PROS and Diggintravel curated curriculum around the top key initiatives airlines need to drive end-to-end digital transformation:

1. **Pricing control** across all channels to align with passenger needs
2. **Digital self-service technology** to reduce the burden on the already depleted customer service departments
3. **Customer data insights and analysis** to best understand passenger demand and inform revenue forecasts
4. **Consolidated supplier network and renegotiated contracts** to achieve incremental cost-savings
5. **New product offerings, ancillaries, or repackaging of existing offerings** to yield new revenue

streams

“Airlines that invest the most in listening to and understanding their customers will have the best foundation for success in 2021 and beyond,” said PROS Vice President, Principal-Travel Retail, IATA Air Think Tank member and academy instructor Mike Slone. “For airlines to succeed in this post-pandemic era, they must be committed to ongoing research and consistent processes that will allow them to understand every travel persona, targeted scenario and complex journey.”

The Academy boasts a unique format designed to take attendees on a learning journey while providing direct access to well-known industry experts and dedicated mentors. The interactive course includes a mix of instruction, case study work, discussion and networking with follow-on options for more in-depth learning.

“There is an immense opportunity and responsibility for airlines to listen, change and innovate if they are to generate new revenue streams under volatile conditions – today or in the future,” said Founder of Diggintravel Iztok Franko. “The Academy is determined to support airlines by focusing on experimentation and continuous innovation, exploring UX and digital strategy as a research strategy tool to ultimately increase revenues and broaden business models.”

Sheena Gaynes of Bentley Systems, Incorporated Featured on CRN’s 2021 Women of the Channel List

27 May 2021

Bentley Systems, Incorporated (Nasdaq: BSY), the *infrastructure engineering software* company, today announced that CRN[®], a brand of The Channel Company, has named Sheena Gaynes, director, business development and partnerships, Bentley iTwin Platform, to the highly respected Women of the Channel list for 2021. This annual list recognizes the unique strengths, vision, and achievements of female leaders in the IT channel. The 2021 Women of the Channel list acknowledges women from all segments of the IT channel, including vendors, distributors, and solution providers.

The women honored on this year’s list pushed forward with comprehensive business plans, marketing initiatives, and other innovative ideas to support their partners and customers, helping them through the uncertainty brought on by the global COVID-19 pandemic. CRN celebrates these exceptional women for their leadership, dedication, and channel advocacy.

Gaynes is recognized on the list for her work building out the Bentley iTwin Platform developer ecosystem. Her expertise in building global partner programs and executing tactical go-to-market plans helped create the programs and processes for our partners and users to succeed. She leads a team that manages business development activities and nurtures partnerships with independent software vendors and systems integrators, including supporting the sales organization in their effort to generate subscription revenue through engineering firms and owner-operators. Gaynes also manages accreditation programs, such as developer training, powered by iTwin validation, and promoting the adoption of the Bentley iTwin Platform with academic institutions and students. Gaynes is being recognized for the third time on the CRN[®] Women of the Channel list.

“CRN’s 2021 Women of the Channel list acknowledges accomplished, influential women whose dedication, hard work, and leadership accelerate channel growth,” said Blaine Raddon, CEO of The Channel Company. “We are proud to honor them for their many accomplishments and look forward to their continued contributions to the IT channel.”

“Since joining Bentley Systems, Sheena has significantly contributed to the Bentley iTwin Platform business by building out a framework for our developer ecosystem, creating a partner program with

benefits and requirements, and recruiting and nurturing partners of every size and type,” said Adam Klatzkin, VP, Bentley iTwin Platform at Bentley. “We are extremely proud of the work Sheena has done here and are delighted that she is being recognized in the CRN 2021 Women of the Channel list.”

Siemens introduces Xcelerator Academy

25 May 2021

Siemens Digital Industries Software introduced Xcelerator Academy, a new unified approach to developing the skills of users, implementers and developers during their digital transformation journeys with the Xcelerator™ portfolio. This global training offering uses state-of-the-art tools, high-quality curriculum, world class instructors, and easy to access virtual and physical campuses to address the role-based needs of both customers and partners. Xcelerator Academy empowers Siemens’ software users with the skills needed to optimize their digital enterprise by channeling a broad range of expertise from services professionals and learning consultants into compelling, easy to consume, role-based learning journeys.

“Digitalization is changing everything, as business processes need to rapidly evolve and adjust to business needs,” said Beat Neuhaus, VP of Global Learning Services at Siemens Digital Industries Software. “A business’ success when using digitalization relies heavily on user adoption of these new technologies, as users need to stay up to date with new processes and systems. Xcelerator Academy is leveraging cloud technology to provide holistic learning solutions that develop initial skills, coupled with effective performance support approaches to maintain and expand these skills over time can help users stay proficient and achieve their innovation goals.”

Xcelerator Academy can help businesses realize value from technology-driven process improvement by providing users with the skills needed to accelerate product proficiency and solution adoption. Hands on learning events with technical experts and specific role-based, outcome-oriented learning journeys can guide users through the knowledge and practices needed to maximize the value that can be achieved from the digital twin. On demand availability offers access to the skills needed today, with content continuously added and ongoing support of performance to stay current.

Siemens receives three Samsung Foundry SAFE EDA awards

21 May 2021

Siemens Digital Industries Software announced that long-term partner Samsung Foundry has recognized its partnership and substantial contributions to the broader Samsung Foundry ecosystem over the past year with three Samsung SAFE Awards. As part of its inaugural Samsung SAFE (Samsung Advanced Foundry Ecosystem) awards program, Siemens is recognized in the categories of Best Innovation, Best Collaboration and Best Technical Support. The new Samsung Foundry awards program recognizes achievement of the highest standards of design, development, and technology implementation to accelerate silicon innovation.

“I’m pleased to congratulate Siemens as the winner of these three 2020 Samsung Foundry SAFE awards for their EDA solutions,” said Jaehong Park, executive vice president of Foundry Design Platform Development at Samsung Electronics. “These awards reflect our continued partnership with Siemens to address customers’ 2D and 3D design challenges across elements of Samsung Foundry’s design flows and target markets for our most advanced process nodes.”

Siemens’ High Density Advanced Packaging (HDAP) flow earned the Best Innovation award for collaboration on Samsung’s Multi-Die Integration (MDI™) packaging solution, which helps mutual

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customers rapidly prototype, implement, verify and thermally analyze their highly sophisticated multi-die package implementations. The Siemens technologies powering the HDAP flow include:

- Xpedition™ Substrate Integrator software, which enables rapid early prototyping and planning of heterogeneous semiconductor package assemblies,
- Xpedition™ Package Designer software, which provides constraint-driven place-and-route functionality with manufacturing preparation,
- Simcenter™ Flotherm™ software, which delivers complete package assembly thermal modeling and analysis,
- Simcenter™ 3D software, which provides complete, thermally induced stress and reliability analysis for package assemblies,
- Calibre® 3DSTACK software, which provides signoff DRC and LVS checking of complete multi-die system assemblies at any process node.

Siemens' Calibre® YieldEnhancer (SmartFill) product team earned Samsung's Best Technical Support recognition. The Calibre YieldEnhancer tool combines advanced design analysis with multiple filling solutions to optimize chip filing for both digital and analog designs.

The product team for Siemens' Calibre Circuit Verification suite won this year's Samsung SAFE award for Best Collaboration. The team worked closely with Samsung to ensure that each of the following tools in this suite support Samsung's latest process technology:

- Calibre® nmLVS software -- Samsung Foundry was the first foundry to leverage the Calibre nmLVS-recon offering to speed circuit verification during early design,
- Calibre® PERC reliability software, which employs a unique, integrated analysis to automate complex reliability verification checks,
- Calibre® xACT parasitic extraction software, which delivers the high levels of accuracy required for three dimensional FinFET structures.

“Siemens is pleased and honored that our long-lasting partnership with Samsung Foundry has resulted in these first SAFE EDA awards,” said Michael Buehler-Garcia, vice president of Product Management for Calibre Design Solutions at Siemens. “As our mutual customers continue to develop higher complexity designs, Samsung Foundry and Siemens will continue to partner to enable the advanced platforms customers need to bring these increasingly sophisticated designs to life.”

TATA TECHNOLOGIES AND LOGILITY PARTNER TO PROVIDE DIGITAL TRANSFORMATION SOLUTIONS FOR THE GLOBAL SUPPLY CHAIN

24 May 2021

Tata Technologies, a leading global engineering, and product development digital services company, has partnered with Logility, Inc., a leader in supply chain innovation, to offer digital supply chain solutions to its customers.

In the new normal, enterprises are being challenged to mitigate the effects of supply chain disruptions, such as tackling supply-demand uncertainties, and maintaining continuity in the near term. Agility and resilience of supply chains along with proper demand planning are crucial for better transparency and concurrency for them to win in the marketplace. This collaboration will further augment Tata Technologies' strong digital transformation capabilities across the product development value chain and strengthen the bouquet of supply chain solutions thereby helping Tata Technologies develop innovative

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solutions to address business challenges of the manufacturing industry and help them realize better products.

Speaking on the occasion, Mr. Warren Harris, Managing Director and CEO of Tata Technologies, said, “Tata Technologies with a vision of ‘engineering a better world’ enables the manufacturing industry to design, build, manage and realize better products. Through this global collaboration, we aim to further accelerate our customer’s digital transformation journey by offering targeted digital supply chain solutions that leverage our intimate understanding of the manufacturing industry and Logility’s solution portfolio.”

Keith Charron, COO, Logility, said, “Our collaboration with Tata Technologies will help businesses accelerate their digital transformation goals to achieve agility and resilience in their supply chains. We are excited to work with Tata Technologies and leverage their deep domain knowledge of the manufacturing industry to expand our global presence and help manufacturers address their supply chain challenges.”

TCS CodeVita Wins New Guinness World Records Title for World’s Largest Programming Competition

24 May 2021

Tata Consultancy Services (TCS), a leading global IT services, consulting and business solutions organization, announced that the ninth season of TCS CodeVita has won a Guinness World Records™ title as the world’s largest computer programming competition with 136,054 participants from 34 countries.

The 2021 TCS CodeVita competition invited college students from around the world to pit their programming skills against each other to be ranked among the top student programmers globally. Their knowledge and coding skills were tested as they solved complex real-world problems over an intense six-hour period. The winners walked away with cash prizes, and internship offers to work directly with technology leaders at TCS. This year’s champion, Ben Alexander Mirtchouk of Stevens Institute of Technology, New Jersey, is the competition’s first ever US winner.

“We are delighted to be awarding TCS this Guinness World Records title for the largest computer programming competition and would like to congratulate every single one of the 136,054 people that took part to smash the record,” said Neil Foster, VP EMEA APAC, Guinness World Records Limited. “They should be justly proud of the achievement and we are especially gratified in seeing innovative record solutions that bring people together digitally and to challenge themselves in a competition of this nature.”

“Long before words like hackathon became common, TCS saw the potential of programming as a sport and that inspired TCS CodeVita,” said Ananth Krishnan, CTO, TCS. “In a world where technology, innovation and creativity are playing a pivotal role, this competition is fueling a passion for programming in brilliant young people with diverse educational, social, geographical, and cultural backgrounds.”

“I’ve always been passionate about computer science and coding competitions. I gave it a shot without any specific intention of winning,” said Ben Alexander Mirtchouk, winner and student at Stevens Institute of Technology in Hoboken, New Jersey, USA. “Doing a lot of practice questions from CodeVita’s practice platform was really helpful. I could see the real-world applicability of the problems I was solving. It was a really cool experience all around.”

The 1st Runner Up was Václav Volhejn, a student at ETH Zürich in Switzerland. He was followed by

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2nd Runner Up Ali Khosravi from the University of New South Wales in Sydney, Australia.

The top three CodeVita finishers received cash prizes of \$10,000, \$7,000 and \$3,000, respectively. They were also offered the opportunity to intern directly with one of the company's technology leaders.

Launched in 2012 to spread awareness about the various applications of coding and help spot promising talent, CodeVita helps instill the 'programming as a sport' culture worldwide. Since then, hundreds of students have completed internships at TCS via CodeVita. In addition, from Season 3 onwards, CodeVita has led to more than 11,000 TCS job offers, underscoring an emerging recruitment trend – the gamification of hiring.

TCS Launches Innovation Hub to Boost Sustainable Development in Europe

21 May 2021

Tata Consultancy Services (TCS), a leading global IT services, consulting and business solutions organization, has launched TCS Pace Port™ Amsterdam, a co-innovation and advanced research center designed to help customers successfully navigate their growth and transformation journeys.

Bringing together an ecosystem of partners from academia, government institutions, start-ups and technology providers, TCS Pace Port Amsterdam will serve as a hub for TCS teams to co-innovate with European customers, guiding them through the discovery, definition, refinement and delivery phases of innovation. The center will also provide rapid prototyping capabilities with a clear focus on building greater futures by finding and creating sustainable solutions.

TCS Pace Port Amsterdam is the third co-innovation center by TCS, after New York and Tokyo, in a global network of physical-digital innovation hubs that bring to life the TCS Pace™ philosophy of unifying the best of TCS' innovation assets, capabilities and practices to build meaningful and accelerated outcomes. The TCS Pace Innovation Architecture provides a structured framework for companies to ideate better, work on creative solutions faster, and focus their efforts on real, purpose-driven business needs.

“TCS believes that collaborative innovation, harnessing the collective knowledge of an ecosystem of partners can help companies realize their purpose and build a greater future,” said **Sapthagiri Chapalapalli, Head, TCS Europe**. *“Our new Pace Port at Amsterdam will serve as a European innovation hub that helps our clients build long-term sustainability, which is a core driver of purposeful business.”*

“Pace Port Amsterdam is the next step in our continued effort to help our clients innovate at speed and scale,” said **K Ananth Krishnan, CTO, TCS**. *“Developing digital capabilities at an accelerated pace empower companies to and help their businesses stay ahead on the digital curve.”*

“TCS' first European Pace Port is envisioned to become the digital innovation hub for the region,” said **David McIntire, IT Services Research Director, NelsonHall**. *“The Pace network has evolved from TCS' innovation and co-creation location strategy. TCS has taken a considered and organic approach in setting up Pace Ports and demonstrates its capabilities as a full-service partner for its clients in their digital transformation journeys.”*

“As part of the European Commission, our aim for the Green New Deal is to create a comprehensive, ambitious plan for a green future driven by technology,” said **Diederik Samsom, Head of Cabinet for European Green Deal & Executive VP, European Commission Frans Timmermans**. *“That is why I welcome initiatives like TCS PACE that can bring together digital capabilities, an innovative mindset*

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and collaborative ecosystems to help European businesses work together to build a greener, more sustainable Europe.”

The global network of TCS Pace Ports ignites collaborative experimentation, research, rapid product prototyping, and continuous learning – pushing current boundaries and driving business transformations through the application of cutting-edge digital technologies.

TCS Partners with LACChain to Develop a Blockchain Ecosystem in Latin America and the Caribbean

26 May 2021

Tata Consultancy Services (TCS), a leading global IT services, consulting and business solutions organization, announced that it has partnered with LACChain, an initiative led by IDB Lab, the innovation laboratory of the Inter-American Development Bank Group, to drive the development of a blockchain ecosystem across Latin America and the Caribbean.

The LACChain alliance collaborates with technology partners and ecosystem actors to create blockchain platforms, standards, and marketplaces to innovate and co-create life-changing solutions for people who are vulnerable and affected by economic, social or environmental factors.

TCS will leverage its deep domain knowledge across industry verticals, technological expertise, and research and innovation to create a marketplace of blockchain solutions in the areas of healthcare, energy, education and financial services. The partners will focus on coming up with a range of solutions to address the urgent need of healthcare systems – such as decentralized vaccination distribution platforms and immunity passport for safe travel – which will also aid in reviving the economy and ensuring safe travel.

In the digital identity space, the partners will create blockchain solutions to enable collaboration between academics and companies to create a skills marketplace and revive the job market in the geography. In the financial services field, it will address inefficiencies in payments and settlements to offer faster settlements and financial inclusion for every citizen. The solutions will also drive the adoption of renewable energy while reducing the cost per unit, creating an abundance of energy for the people.

“This partnership with TCS brings to LACChain, an international consulting firm with wide experience in the development and implementation of technology. We believe that TCS’ expertise will be a very relevant contribution to the working groups on blockchain infrastructure and digital identity, and we welcome with excitement their desire to help us to continue developing the blockchain ecosystem in Latin America and the Caribbean,” said **Irene Arias Hofman, CEO, IDB Lab**.

Anupam Singhal, Business Head, Banking and Financial Services, TCS, said, *“Our purpose-led approach, powered by our investments in research and innovation, ability to successfully leverage ecosystems and harness contextual knowledge, makes us the preferred partner to Inter-American Development Bank, in creating a positive impact in our society. The partnership serves a greater purpose of social and economic development in the region.”*

Technical Communications Specialist Carol Zuber-Mallison Joins Strategic Consulting Team at Woolpert

24 May 2021

Woolpert has hired Carol Zuber-Mallison, a technical communications consultant who specializes in

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data visualization and informational graphics. Zuber-Mallison is adept at accurately and efficiently converting data and text into clear and engaging visuals for a variety of clients and deliverables.

Zuber-Mallison began her career as a copy editor at the Fort Worth Star-Telegram, made her way into the art department and moved on to become the news graphics editor at the Dallas Morning News before transitioning into a successful, 30-year freelance career.

“Working in newspapers was fun but hard. When we decided to have kids, I started freelancing on the side and found myself swamped with constant needs for infographics, maps, dressing up PowerPoints, etc.,” Zuber-Mallison said. “I really enjoyed the multitasking and the variety of subject material, which reminded me of newspapers. I’ve worked on everything from the impact of climate change with the National Audubon Society to doing annual reports for ExxonMobil.”

At Woolpert, Zuber-Mallison will support the diverse needs of the strategic consulting team, which delivers advisory services to owners, stewards and developers of the built and natural environments. The team works from coast to coast, helping manage resources and optimize processes for clients across the country while supporting the firm’s architecture, engineering and geospatial (AEG) initiatives.

Zuber-Mallison said clients and projects at Woolpert have a vast amount of rich content that will benefit from being shared visually.

“People don’t always want to read the 300-page report, even if it does contain immensely valuable material,” Zuber-Mallison said. “They have a need for infographics, process diagrams, ArcGIS story maps and other graphic materials that will effectively convey their messages. I’m excited to work with this team and to help them share their great work.”

Woolpert Strategic Consultant Christina Parr said Zuber-Mallison’s rare combination of graphics, editing and GIS skills are exactly what Woolpert needs.

“Carol studied under David W. Allen, who literally wrote the book on ArcGIS, and she recently completed an internship with the Smithsonian on GIS and BIM (building information modeling),” Parr said. “Like so many on this team, Carol has spent her career amassing a wealth of experience that has led her to this strategic role. We’re delighted she joined the firm, and we are excited to see how good she makes us look!”

Thales and Atos create the European champion in big data and artificial intelligence for defence and security

27 May 2021

Atos and Thales announce the creation of **Athea**, a joint venture that will develop a sovereign big data and artificial intelligence platform for public and private sector players in the defence, intelligence and internal state security communities. Athea will draw on the experience gained by both companies from the demonstration phase of the ARTEMIS programme, the big data platform of the French Ministry of Armed Forces. The contract to optimise and prepare the full-scale roll-out of the ARTEMIS platform was also awarded jointly to the two leaders by the French Defense Procurement Agency on April 30, 2021. The new joint venture will initially serve the French market before addressing European requirements at a later date.

With the exponential rise in the number of sources of information, and increased pressure to respond more quickly to potential issues, State agencies need to manage ever-greater volumes of heterogeneous data and accelerate the development of new AI applications where security and sovereignty are key. Athea will create a solution to securely handle sensitive data on a nationwide scale and support the

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implementation of that solution within government programmes. The new entity will also provide expert appraisal, consulting, training and other services.

The joint venture will pool the companies' investments, expertise and experience to respond quickly and efficiently to demand for innovation. Athea will work with an ecosystem of large companies, SMEs, start-ups and research institutes specialising in big data and artificial intelligence. In conjunction with the recently created Defense Digital Agency, the joint entity will also provide secure solutions and open and modular technological building blocks, which encourage collaboration and stimulate the industrial and sovereign ecosystem, in order to support the development of trusted applications.

“This joint venture between Thales and Atos illustrates the commitment of both our companies to supporting the digital transformation of our customers by providing a secure and innovative solution based on French technology to process huge volumes of heterogeneous data. Together, we will capitalise on our respective areas of expertise to provide best-in-class big data and artificial intelligence solutions.” said **Marc Darmon, Executive Vice President, Secure Communications and Information Systems, Thales.**

“Sensitive data capabilities have become a sovereignty issue for State agencies. By combining the expertise of two major players in defence and digital technologies with the flexibility of a dedicated entity, Athea will generate huge potential for innovation, and stimulate the industrial and defence ecosystem, including innovative start-ups, to meet the needs of government agencies and other stakeholders in the sector. This new joint venture between Atos and Thales is an opportunity to combine a comprehensive understanding of the defence and security issues faced by European States with access to the latest innovations in big data and artificial intelligence.” said **Pierre Barnabé, Senior Executive Vice President, Big Data and Cybersecurity, Atos.**

Uptake Appoints Marie Wieck to Board of Directors

26 May 2021

Uptake, the leader in Industrial AI and Analytics, announced the appointment of Marie Wieck to its Board of Directors. Wieck was a leader at IBM for over three decades in areas of emerging technology, product design, and inclusion, overseeing teams of up to 10,000 employees and \$9 billion in revenue. Her leadership was instrumental in IBM's WebSphere, MobileFirst and Hybrid Cloud businesses, and she led the launch of IBM Blockchain. Wieck is currently an Executive Partner at Ethos Capital. Wieck joins the Board at a time of accelerating global expansion, with Uptake experiencing 60%+ customer growth in the last year.

“Marie has exceptional insight into the digital transformation of enterprise companies, notably best practices of leveraging AI and Cloud to create impactful improvements in productivity, reliability, and customer satisfaction,” said Kayne Grau, President of Uptake. *“Her perspective is invaluable as Uptake leverages its leadership in industrial intelligence, transforming machine and operator data into precise insight and optimal action. On behalf of the entire Uptake team, we are excited to welcome Marie.”*

For her contributions to technology and business leadership, Wieck was inducted into the Women in Technology International Hall of Fame and named as a “Woman of Vision STEM Champion” by the National Association of Female Executives (NAFE). In addition, the Society of Women Engineers (SWE) recognized Wieck with its Work/Life Balance Award for establishing flexible work arrangement programs while at IBM.

“There couldn't be a more critical time to drive improvements in supply chain efficiency and asset performance, and I'm excited to be joining the board of Uptake as they help companies minimize

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downtime and turn operational data into an enterprise asset,” said Wieck. “Uptake’s products and services are the best choice for industrial companies looking to quickly and easily harness the value of AI, IoT, and advanced analytics. The recent acquisition of ShookIOT further strengthens Uptake’s ability to extract insights from complex industrial systems and turn it into action.”

Wieck joins existing members of Uptake’s Board, including Ray Lane, Ted Leonsis, and Brad Keywell. In addition to Uptake, Wieck sits on the boards of Daimler AG, Mercedes Benz, the Columbia University School of Engineering, and serves as the Chair of Charity Navigator.

Zemax LLC announces new entity Zemax Germany GmbH to better serve growing customer base!

27 May 2021

Zemax announces the opening of Zemax Germany GmbH this month. Extending Zemax’s presence from 5 nations (USA, UK, Japan, China, and Taiwan) to a 6th in Germany. Zemax Germany GmbH will strengthen the companies' partnerships with leaders in innovation in the European market. With this new organization, Zemax now provides a direct presence of employees in the Sales, Customer Success, and Software Development organizations – all based in Germany.

"The decision to have a direct presence in Germany was a logical step in our business growth strategy," said Dr. S. Subbiah, CEO, Zemax. "Within Europe, Germany already has our largest users’ community and is both a growth leader and innovation hub. We must meet customers’ needs where they live to service them most effectively".

As the industry leader in optical design software, Zemax's mission is to empower industry leaders with the tools they need to create innovative and sophisticated optical products that are changing our world. In addition to unmatched software value, Zemax Germany GmbH will provide comprehensive technical support and introductory, advanced, and customized training to support product teams to develop the best optical products in the shortest time possible.

Zemax Chief Revenue Officer, Ove Schuett, says "we firmly believe that this is the start of a new and exciting era for the Zemax European team, and we thank our customers for their continued support."

Event News

3rd ESTECO Aerospace MDO Technology Days

21 May 2021

On 29 and 30 June 2021, the Ronald Reagan Presidential Library in Los Angeles, CA will host the third edition of the ESTECO Aerospace MDO Technology Days.

This **in-person only** event brings together experts from different companies in the aerospace industry. From **Raytheon Missiles & Defense** to **Otto Aviation** to the **National Institute for Aviation Research (NIAR)**, we’ve invited a selection of our customers to share their experience with Multidisciplinary Design Optimization, Simulation Process Data Management and Distributed Execution and we’ve asked them to outline engineering trends in their fields.

The COVID-19 pandemic, rising geopolitical tensions and climate change awareness are bringing **big changes to aircraft development**, with massive implications both on commercial and military aviation. With governments pushing for innovation in **alternative technologies** and the market calling for new, affordable and greener aviation options, the need for **faster development is a major challenge** in the

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industry and requires a technological and cultural shift.

From traditional fighters to UAS to hybrid/electric flight, innovation comes through a **new digital engineering approach** which enables **server-based collaboration** at an enterprise level and scales up MDO across the entire organization. **Join us in Los Angeles and learn how our VOLTA platform has been key to this result in different domains and applications.**

On June 29, a full day agenda will include **presentations from industry**, such as Raytheon Missiles & Defense, Otto Aviation and the National Institute for Aviation Research, along with **demonstrations and development updates by ESTECO experts**.

On June 30, you can join us for a **VOLTA workshop** and learn how enterprise collaboration on MDO projects is completely redefined.

CGS to Lead TSIA Webinar on Overcoming Roadblocks to MR Adoption

26 May 2021

CGS, a global provider of business applications, enterprise learning and outsourcing services, announced it will be sponsoring and leading a discussion for the Technology & Services Industry Association (TSIA) webinar titled, Overcoming the Top 3 Roadblocks to Mixed Reality Adoption, on Thursday, June 10, at 2 p.m. EDT. Speakers include Doug Stephen, CGS president, Learning division, Steven Petruk, CGS president, Global Outsourcing division, and John Ragsdale, VP of technology research, TSIA.

The session will focus on how the use of mixed reality (MR) from various sectors has had increased interest resulting from the pandemic. Yet, there have been challenges to user and customer adoption. These include perceived costs for systems, devices and implementation, as well as time required for training and adoption by employees and customers.

Stephen and Petruk will discuss first-hand knowledge and implementation of MR to help clients' streamline knowledge transfer, provide continuous training and realize cost savings through remote support and maintenance.

The webinar participants will gain insight on how MR adoption can help:

- Reduce repeat service calls and increase first-time resolution, by using remote assist first
- Increase employee and consumer satisfaction
- Improve CSAT and Customer Effort scores
- Decrease time-to-proficiency of new hires
- Reduce costs related to training and cost of adoption
- Create a seamless and effortless customer experience in self-service

“Today’s business requires thoughtful and successful investments to engage a dispersed, remote workforce,” said Stephen. “Use of MR can improve performance in real time, helping to engage while safely assisting customers. This session will outline for companies that are looking to adopt MR but are challenged with questions about costs and implementation.”

“Providing remote assistance to the customer via MR can improve employee and consumer satisfaction,” said Petruk. “Companies that can provide customers with seamless self-service interactions will improve the customer experience and their bottom line. This session will address the typical, most-common challenges and offer best practices for quashing obstacles to user adoption.”

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CGS, a trusted partner to many of the world's most dynamic companies, delivers innovative, custom solutions essential to scaling people, processes and performance. Using any device, anywhere, its Teamwork AR™ solution offers next-level support, on-the-job training and remote assistance to field services, operations and manufacturing. The solution helps increase safety, boost efficiency, iterate more quickly by allowing employees to work, test, learn and connect with technology that displays virtual information in their surrounding real-world environment. Through tech-forward engagement programs, leveraging AI, AR/VR, machine learning and gamification, CGS's solutions help our clients achieve their business objectives and drive ROI. Each solution is custom-tailored and designed to engage employees and keep clients' employee-related business fundamentals strong in an ever-changing environment.

Hexagon to host experts, industry leaders at HxGN LIVE Resiliency Series

27 May 2021

Hexagon's Safety, Infrastructure & Geospatial division is hosting the HxGN LIVE Resiliency Series, a free virtual event focused on helping critical service providers achieve greater resiliency in operations.

The four-day event, happening June 8, 10, 15 and 17, will bring together experts and leaders from public safety, infrastructure, government, transportation and defense to discuss and learn how to adapt to disruption and overcome challenges. Attendees will have the opportunity to see and hear how peers from around the world are applying digital technologies and leveraging data-driven insights for planning and operations.

Speakers include leaders from world-renowned organizations, such as Microsoft, Airbus Defence and Space, IDC Government Insights, Greater Toronto Airports Authority, Open Geospatial Consortium, Emergency Services Telecommunications Authority, EPB and many more. Topics include building trust and transparency in policing, the use of artificial intelligence in public safety, the role of utilities in smart cities, achieving autonomous railways, how data can help reduce traffic fatalities, managing micro-mobility in cities, rapid mapping for defense and women in technology.

The event will kick-off with Steven Cost, president of Hexagon's Safety, Infrastructure & Geospatial division, delivering a keynote presentation, where he will share stories of resiliency, explore emerging trends and unveil Hexagon's new technology for smart cities collaboration.

"We are living in turbulent times," said Cost. "Our essential service providers are facing unprecedented challenges, heightening the need for resiliency. This event will bring together industry experts, thought leaders and change makers to share their expertise and experience to inspire and encourage others when it's needed most."

The HxGN LIVE Resiliency Series will feature expert sessions, panel discussions, one-on-one interviews and more. Sessions are available in English and German and will be broadcast across multiple time zones to suit attendees around the world. The flexible format allows registrants to join on the days they want for the sessions they choose.

MSC Software announces Technology Tailwinds Webinar series focused on Wind Power and Sustainability

26 May 2021

MSC Software, a part of Hexagon's Manufacturing Intelligence division, announced today it will host an eight-part webinar series covering industry-shaping technology trends for the wind power industry. The Technology Tailwinds series will start on Thursday, May 27 at 10 a.m. EDT with Taking on Wind

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Energy Challenges presented by Dr. Xiaobing Hu, Director of Applied Solutions at Hexagon. Dr. Hu is a leading engineering consultant and subject matter expert in simulation software. The presentation has a particular focus on current wind energy challenges and how the adoption process can be accelerated with computer-aided engineering (CAE) simulation and data-driven inspection. A Q & A session will follow for additional audience engagement with Dr. Hu.

During the webinar, Dr. Hu will address the business and engineering challenges of developing and manufacturing next-generation wind turbines. Since 2007, he has been leading the team in the design and development of multi-MW (up to 11MW+) wind turbine drivetrains globally, and has helped customers achieve over 37 DNVGL certifications for new wind turbine designs. His presentation will connect the dots of solving key issues with comprehensive Hexagon engineering solutions that will improve wind turbine design and operations. For example, Dr. Hu will discuss how to enhance the durability and efficiency of wind turbine systems, while reducing their acoustic impact on the environment.

Each MSC Technology Tailwinds webinar event is designed to inform and update design and CAE engineers, quality inspection professionals, and factory managers involved in wind turbine design, manufacturing, operations, and MRO. The upcoming Hexagon series will focus on trending topics in the wind power industry such as the evolution toward large capacity turbines that will require advances in design, analytics, automation, inspection and maintenance. On a monthly basis, MSC Software will present fresh insights to help navigate the current business windscape through the use of touch point technologies and implementation strategies. Discussions will cover the key technology components and the best practices required to advance this unfolding next-generation of wind turbines systems, and ultimately accelerate clean energy adoption.

This comprehensive webinar series reflects Hexagon's vision for the future where data is fully and autonomously leveraged so business, industry and humanity can sustainably thrive. The company believes its sustainability journey is determined by the role its products and solutions play in the market, as well as its own processes and actions, to seize the opportunity of our lifetime.

Financial News

DXC Technology Reports Fourth Quarter and Fiscal Year 2021 Results

26 May 2021

DXC Technology reported results for the fourth quarter and fiscal year 2021.

“I am pleased to report a solid fourth quarter as the leadership team continues to execute on our transformation journey. Our results clearly indicate that we are winning in the marketplace, which in turn is driving improved sequential revenue and adjusted EBIT margin performance,” said Mike **Salvino**, DXC president and chief executive officer. “I would like to thank the entire DXC team for their continued strong execution. Our FY22 and longer-term expectations reflect continuing solid business momentum and our confidence that we are building a people and customer focused organization that will compete and win in the IT services industry.” Mr. Salvino continued, “As the world is witnessing the ongoing impact of COVID-19, our focus continues to be on our people, particularly in the more severely impacted areas including India and the Philippines. The dedication and perseverance on display by our team is a source of the great pride I have as our people continue to take care of themselves, each other, their families, and deliver for our customers.”

Financial Highlights - Fourth Quarter of Fiscal Year 2021

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Revenue was \$4.385 billion, down 8.9% as compared to prior year, and down 7.0% on an organic basis. Fourth quarter revenues exceeded the Company's previous revenue guidance range. Revenues increased 2.3% as compared to the third quarter of fiscal year 2021 and were up 0.4% on a sequential organic basis. This represents the third sequential quarter of organic revenue stabilization for DXC, and management anticipates this trend to continue into fiscal year 2022.

Net loss and EBIT included a \$517 million pension and other post-employment benefits mark-to-market actuarial and settlement loss, asset impairment charges of \$190 million, amortization of intangibles of \$116 million, restructuring charges of \$110 million, transaction, separation and integration cost of \$51 million, loss on disposition of \$42 million and a \$41 million debt extinguishment charge resulting in EBIT margin of (16.8)% in the fourth quarter of fiscal 2021. Excluding these items, adjusted EBIT margin was 7.5% in the fourth quarter, an improvement of 50 basis points from the third quarter of fiscal year 2021. Fourth quarter adjusted EBIT margin came in above our guidance range.

Diluted earnings per share was \$(3.14) and non-GAAP diluted earnings per share was \$0.74 in the fourth quarter of fiscal year 2021, above our guidance range.

Book-to-bill for the quarter was 1.08x, underscoring the Company's continued focus on customers and our people, which in turn is driving ongoing success in the market. This represents the fourth straight quarter that the Company has delivered a book-to-bill of over 1.0x. The Company expects the new business momentum to continue in FY22.

Financial Information by Segment

GBS segment revenue was \$1.999 billion in the fourth quarter of fiscal year 2021, down 13.4% compared to prior year, and down 4.0% on an organic basis. On a sequential basis, GBS revenues increased 4.1% and on an organic basis, increased 2.0%, driven by growth in Analytics and Engineering, Applications and Business Process Solutions ("BPS"). GBS Segment profit was \$315 million and segment profit margin was 15.8%, up 160 bps as compared to the third quarter of fiscal year 2021. GBS bookings for the quarter were \$2.4 billion for a book-to-bill of 1.20x.

GIS Segment revenue was \$2.386 billion in the fourth quarter of 2021, down 4.8% compared to prior year, and down 9.3% on an organic basis. On a sequential basis, GIS revenues increased 0.8% and decreased 0.9% on an organic basis, driven by low-single digit revenue growth in IT Outsourcing, offset by declines in Cloud and Security and Modern Workplace. GIS segment profit was \$98 million with a segment profit margin of 4.1%, a 40 basis points segment margin expansion as compared to third quarter of fiscal year 2021. GIS bookings were \$2.3 billion in the quarter for a book-to-bill of 0.98x.

Earnings Conference Call and Webcast

DXC Technology senior management will host a conference call and webcast to discuss these results on May 26, 2021, at 5:00 p.m. EDT. The dial-in number for domestic callers is +1 (833) 979-2847. Callers who reside outside of the United States should dial +1 (236) 714-2943. The passcode for all participants is 5488532. The webcast audio and any presentation slides will be available on DXC Technology's Investor Relations [website](#).

A replay of the conference call will be available from approximately two hours after the conclusion of the call until 06/02/2021 23:59 ET. Phone number for the replay is +1 (800) 585-8367 or +1 (416) 621-4642. The replay passcode is 5488532.

Fiscal Year 2020/2021 Proves Transformational for AVEVA Despite Pandemic Challenges

25 May 2021

AVEVA, a global leader in industrial software, driving digital transformation and sustainability, announced its results for the year ended 31 March 2021 (FY21). The results showed that AVEVA had made strategic, financial, and operational progress in the face of the pandemic.

The last year proved transformational for AVEVA. The Group was quick to react to the COVID crisis, rapidly moving employees to remote working and conducting business transactions virtually. Evolving how it operated it demonstrated the resilience and strength of both the business and its relationships with customers. Today, AVEVA is a stronger and better positioned business, with a more diversified customer base. It has a fundamental role to play to in supporting customers' energy transition and environmental efficiency journeys.

Alongside the successful navigation of the global pandemic, AVEVA completed the transformational \$5bn acquisition of OSIsoft in March 2021. This acquisition established AVEVA as a clear global leader bringing together industrial software applications with the market leading industrial data platform.

Industrial Digitalisation Driving Significant Growth as well Sustainability

The ongoing digitalisation of the industrial world continues to be a fundamental demand driver for AVEVA's software. Strong Subscription growth continued, and the Group also delivered Software as a Service (SaaS) to customers at increasing scale. Despite the challenging macro-economic environment, AVEVA continued to invest in its future growth by increasing investment in areas of its world class technology and software, such as AI and Cloud.

While digital transformation remains at the core of customers' decisions to adopt AVEVA's solutions, the company is also making a strong contribution to sustainability through its products. For example, the remote deployment of AVEVA Unified Operations Centre enabled Saudi Aramco to monitor emissions and optimise energy usage; while Neste, the world's leading producer of renewable diesel and sustainable aviation fuel, used AVEVA's Unified Supply Chain to drive collaboration between its remote teams, boosting efficiency. Several of AVEVA's EPC customers used AVEVATM Unified Engineering to help pioneer hydrogen production designs while other engineering companies use our software for offshore windfarms.

Strong Customer Business Strengthens AVEVA's Market Leadership

Whilst the pandemic had a direct impact on planned capital projects being postponed, demand shift from 3D design software to project execution software grew:

- **Engineering**, which contributed 42% of revenue during the year, saw significant contract wins with EPC's such as Wood, Worley, and Petrofac. Likewise, demand shift to plant operations led to an increase in orders from owner operators managing engineering information as the core of the digitalization strategy within their existing plant facilities. There were a number of significant wins including with Shell and BHP Group, while we also had an increase in orders from the Power End market with significant contract wins from companies including EDF.
- **Monitoring & Control** represented 32% of AVEVA's total revenue as customers continued to focus on operations efficiency, remote operations, and collaboration. AVEVA also saw strength in mid-stream Oil & Gas with as a result, there were several O&G wins including from SoCalGas. In other sectors AVEVA also achieved significant order wins from customers including BHP Group.

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- **Asset Performance Management** represented 14% of total revenue with AVEVA winning its first mining customer in APM and continued a substantial global roll out with an Energy major.
- **Planning & Operations** represented 12% of total revenue with growth supported by sales of Supply Chain planning solutions to help customers in the Energy sector operate efficiently in the context of the disrupted market. There was also growth in the Food & Beverage and Metals and Mining sectors for Manufacturing Execution software.

Commenting on the results, Peter Herweck, CEO of AVEVA Group plc said, “Through 2021 we both helped our industrial customers to successfully navigate the short-term challenges of the pandemic whilst also creating innovative solutions to achieve their digitalisation goals. The acquisition of OSIsoft brought a real sense of excitement from our employees and customers and our conversation is now focused as the recognition of the power and value of the combined products sets become apparent.”

“It’s clear that moving forward, AVEVA has a strong springboard for the future long-term growth of the business. As we look ahead, we do so in the knowledge that AVEVA is optimally positioned to support customers in their digitalisation journey and in creating more sustainable and resilient businesses,” Herweck concluded.

Implementation Investments

AFFOA Adopts PTC FlexPLM to Fuel The Future of Advanced Functional Fabrics - A PTC Blog Post

29 April 2021

Last month PTC announced that Advanced Functional Fabrics of America (AFFOA) will be using PTC’s FlexPLM platform to support it’s work to change textile manufacturing in America. [Learn more on the PTC Blog](#).

Aspen Technology Software to help Improve Operations and Supply Chain Alignment for Shell Catalysts & Technologies

25 May 2021

Aspen Technology, Inc., a global leader in asset optimization software, announced that Shell Catalysts & Technologies, a provider of leading catalysts, technical services and licensed process technologies to refiners, gas treating facilities and chemical plants around the world, is implementing Aspen Schedule Explorer™ software in multiple plants throughout North America and Europe. The supply chain management solution will improve coordination, communication and visibility for operations and supply chain personnel, which will allow teams to adapt to changing conditions as needed. The comprehensive deployment follows the completion of a successful pilot program at Shell Catalysts & Technologies’ facility in Ghent, Belgium.

“It’s critical that the operations personnel throughout our plants and our central supply chain planning team have visibility of the latest published production schedules and are able to provide updates, ask questions and make notes on various parts of the production process to enable operational excellence. Aspen Schedule Explorer has been a highly effective and intuitive solution for providing our schedulers, operators, maintenance crew and central supply chain planning team with real-time visibility into production,” said Luis F. Filobelo PhD, Process Research at Shell Catalysts & Technologies. “We’re excited to roll out Aspen Schedule Explorer to other plants around the world.”

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Aspen Schedule Explorer provides operations and supply chain personnel with a live, web-based view into the latest published production schedules from Aspen Plant Scheduler™, delivered through Shell Catalysts & Technologies' private cloud. The solution combines advanced communication, visibility, and a schedule data historian to help improve productivity and supply chain and operations execution. Aspen Schedule Explorer's common, collaborative hub strengthens cross-functional alignment between stakeholders, while an intuitive interface provides users with the visibility required in today's complex and dynamic manufacturing environments.

"Sales and Operations Execution (S&OE) is the crucial process that enables manufacturers to quickly respond to the inevitable day-to-day opportunities and disruptions that occur in their supply chain and manufacturing sites. Clear communications, collaboration and real-time visibility enables supply chain and manufacturing operations teams to be agile and remain aligned throughout the day," said David Arbeitel, Senior Vice President of Product Management at Aspen Technology. "This capability is especially important in today's manufacturing environment, where workers are often remote but still need to react and adapt quickly to changing conditions."

He added, "Aspen Schedule Explorer provides Shell Catalysts & Technologies with a single source of information and visibility that can scale as needed based on changing and often uncertain conditions. We're thrilled to be helping Shell Catalysts & Technologies implement Aspen Schedule Explorer at all of its global manufacturing facilities."

Busana Implements Centric PLM to Meet Customer Demand

26 May 2021

Busana Apparel Group, the Indonesian apparel manufacturer, has selected Centric Software's Product Lifecycle Management (PLM) solution. Centric Software provides the most innovative enterprise solutions to plan, design, develop, source and sell products such as apparel, footwear, sporting goods, furniture, home décor, cosmetics, food & beverage and luxury to achieve strategic and operational digital transformation goals.

Established in 1975, Busana is one of the largest Indonesian garment manufacturers and exporters with 30 manufacturing facilities in Indonesia and Ethiopia. Busana is a one-stop shop for woven apparel production, producing and exporting 50 million pieces per annum.

Busana's vision is to be the leading integrated solutions provider in lifestyle and fashion apparel, excelling in design, development and sourcing to deliver the right products and services competitively with a quick response. Busana's digital transformation drive identified PLM as the ideal tool to integrate and streamline product development and costing.

"With PLM, we expect to meet our expanding global customer demands with improved product development lead time, dynamic pricing scenarios and greater visibility in sample-making," explains Mr. M. Maniwanan, Group Chairman at Busana.

To achieve this goal, Busana selected Centric Manufacturing PLM.

"We see Centric as the top player in the fashion-focused PLM market with a large customer base," says Mr. Maniwanan. "Centric PLM is very configurable, and we expect to meet our digitalization goals. The Centric team has been highly involved and easily understood our requirements. We hope this collaboration will continue, as it is proving beneficial for both companies."

"Through Agile DeploymentSM we expect a user-friendly system that can be configured to capture real time information directly from the source, allowing us to significantly reduce non-value-added tasks and

concentrate on the core functionality of developing a high-quality product for our customers at a more efficient pace.”

“We are very pleased to announce that Busana has selected Centric,” says Chris Groves, President and CEO of Centric Software. “Busana is at the cutting edge of integrated large-scale apparel design and manufacturing, and we are proud to provide a digital foundation for this ambitious project.”

Flemish Government chooses Atos as digital partner to transform Flanders into one of the most innovative regions in Europe

25 May 2021

Atos announces that it has signed a major contract with the Flemish government to be their main digital partner over the next seven years. Both partners will not only drive digital transformation, but also export Flemish technology to the rest of Europe and the world thanks to Atos' international presence. In this way, the collaboration will ensure the creation of new jobs and help Flanders to grow into one of the most innovative regions in Europe after the pandemic.

The agreement between Atos and the Flemish government is estimated to be the largest outsourcing framework contract in Benelux. The Flemish government was looking for a reliable and experienced technology partner with expertise in digital transformation and innovation. After a thorough selection process for the 2022 Flemish ICT contracts, Atos won three lots: service integration & security, cloud & data center and applications. The seven-year contract will enable a transformative digitalization of the Flemish region.

Rebound of the Flemish economy

The Flemish government selected Atos because of its ambitious vision of the future. After the pandemic, in order for the Flemish economy to recover as quickly as possible, fully investing in a digital future is essential. By working with the government Atos will also be investing in the development of Flanders and local companies.

"The pandemic put a lot of pressure on the Flemish economy, but the recovery period is also an excellent opportunity to put Flanders on the map throughout Europe as a leading region in the development of new technology. There is no shortage of innovative ideas in Flemish companies and start-ups, but local players lack the resources to develop technology on a large scale. As a global player with global activities, Atos is in a unique position to export Flemish technology. Together we are going to make Flemish companies great," says **Jo Debecker, Executive VP and Head of Global Operations at Atos.**

Job creation

Through its own Scaler-program, Atos has long been investing in start-ups and companies that develop innovative technologies. Scaler offers organizations an opportunity to develop their technological solutions and roll them out abroad. In Flanders, Atos will form a unique ecosystem with local partners, including the research company imec, to market Flemish technology worldwide.

"This new contract will create a lot of new Flemish jobs, because you simply need more people if you are going to produce technology on a larger scale," says **Debecker.** *"Atos itself will also be hiring hundreds of people through a major recruitment process for young Flemish talent. Thanks to Atos, these people will have the ideal springboard to spread their wings and to develop further at European level."*

HCL TECHNOLOGIES TO BRING MCLAREN HEALTH CARE'S DIGITAL TRANSFORMATION VISION TO LIFE AND DELIVER COST-EFFICIENT SOLUTIONS

25 May 2021

HCL Technologies (HCL), a leading global technology company, was selected by McLaren Health Care, a fully integrated health network committed to quality, evidence-based patient care and cost efficiency, to provide digital transformation, standup a global EMR (Electronic Medical Record) Center of Excellence, and enable higher standards of service to members, providers, and employees.

The partnership will have HCL deliver IT services for all 15 McLaren system hospitals located in Michigan and Ohio. HCL services would include managing and transforming the digital infrastructure foundation and the core clinical and non-clinical applications utilizing HCL's DRYICE automation framework.

“At McLaren Health Care, we are committed to quality outcomes and this partnership will contribute to our fundamental vision and goals, which is to be the preferred healthcare provider to the communities we serve.” said Ron Strachan, Senior Vice President and Chief Information Officer at McLaren Health Care. “This pursuit to be more digital-forward reflects our commitment to ensure our hospitals provide best value in healthcare services to our patients, as defined by quality of outcomes and cost.”

“This past year has reminded us of the critical role the Healthcare industry's plays for all of us and how technology can play a key role in enabling improved healthcare. We are proud to be the digital enablement partner for McLaren Health Care towards furthering its noble goal of providing affordable healthcare to all”, said Shrikanth Shetty, Corporate Vice President, HCL Technologies.

Inca Digital Printers Selects IFS To Replace Legacy Systems

25 May 2021

Inca Digital Printers Ltd, part of the SCREEN Graphic Solutions Group and one of the leading pioneers and manufacturers of flatbed inkjet printing technology, has selected IFS to replace legacy enterprise resource planning (ERP) systems at its sites in the UK and in the US.

The move marks the start of the company's phased approach to overhauling its technology stack and manual processes with one integrated solution that supports manufacturing, finance, service, CRM, HCM, supply chain and project management—optimizing efficiency across both sites and creating a single source of truth to inform and accelerate future growth.

In the US, Inca Digital Printers will integrate IFS's service management capabilities with existing finance systems.

As new applications for its technology grow in popularity and help the company scale, Inca had outgrown its existing, homegrown systems. Rearchitecting themselves for future growth, they opted to implement a single solution across all sites that provides better visibility of their entire business and the joined-up approach needed to optimize existing processes. Once this first phase is complete, the company will leverage the full capabilities of IFS's solution to drive further efficiencies and provide a strong foundation for continued growth.

“We chose the cloud ERP solution from IFS because of the consistency of service associated with the cloud and because of the breadth of functionality the product offers—as well as its suitability to project-based manufacturing,” Roger Hunter, Group Operations Director, EMEA at Inca Digital Printers said. “IFS is an important partner in our digital transformation journey and we're excited to explore the

additional efficiencies we can leverage in a second phase.”

Alan Laing, Managing Director, IFS UK and Ireland, added, “Our partnership with Inca Digital Printers represents yet another vote of confidence in our ability to collaborate with and create value for customers in the manufacturing sectors. With IFS’s full suite of ERP cloud solutions, and the flexibility it allows, Inca Digital Printers will be fully equipped to reap the efficiency gains and insight discovery that digitization allows. We look forward to a long and mutually beneficial partnership.”

Jain Group Selects CGS BlueCherry® Solutions to Enhance Its Supply Chain Processes to Support Ambitious Growth Plans

27 May 2021

CGS, a global provider of business applications, enterprise learning and outsourcing services, announced that Jain Group, the baby and childrenswear manufacturer and license holders headquartered in the U.K., selected BlueCherry® Enterprise Suite of solutions, including Enterprise Resource Planning (ERP), BlueCherry Next Product Lifecycle Management (PLM), B2B eCommerce and Business Intelligence (BI). The BlueCherry suite provides end-to-end capabilities for apparel, footwear and consumer lifestyle brands.

Jain Group offers an extensive range of in-house brands and private label services, and licensed brands specializing in baby and childrenswear. The U.K.-based company conducted a comprehensive review of multiple solutions to provide a multi-channel solution to manage the company’s current customer streams and futureproof for expansion. Jain Group sought an end-to-end solution to support its brands and to provide data transparency and accuracy across all of its worldwide offices and operations.

With extensive expertise and resources in the apparel market, the CGS BlueCherry suite of solutions will support Jain Group’s current and future business as it rapidly grows. BlueCherry will help Jain Group optimize operational efficiencies, enhance better agility and quality control, while simplifying and supporting the Group’s continuous demand of its vast and evergrowing portfolio of products.

“We have many complex processes in our businesses,” said Vivek Jain, Managing Director of Jain Group. “With BlueCherry we will have the ability to manage these more efficiently and effectively to ensure that our focus remains on our growth whilst continuing to deliver fantastic products and services to our customers.”

“The rapidly changing apparel market requires an agile solution to ensure better visibility of the overall business and its processes and to improve collaboration internally and with suppliers,” said Paul Magel, president, Business Applications division, CGS. “We are thrilled to welcome Jain Group to our BlueCherry community of apparel and consumer brands customers and look forward to a long-lasting partnership. I am proud to add another stellar member to our growing global BlueCherry community.”

The CGS BlueCherry Enterprise Suite provides clients with comprehensive digital supply chain management solutions, available both in the cloud and on-premises, to drive their fundamental business processes. With a focus on the needs of high-growth organizations operating in consumer lifestyle products, retail and apparel, BlueCherry is a unified platform that provides supply chain visibility with the latest digital technologies. The BlueCherry Suite addresses the needs of the end-to-end supply chain, from planning and product development to manufacturing and sales.

Lancel Bags a Cloud Upgrade with Infor

26 May 2021

Infor, the industry cloud company, announced that the famous French luxury leather goods manufacturer Lancel has chosen to implement Infor CloudSuite Fashion, an ERP solution dedicated specifically to the fashion, textile and luxury industries, as part of a project to migrate and streamline its IT systems.

The Lancel family business was founded in Paris in 1876. Specializing in the manufacture and sale of accessories related to the use of tobacco, which was becoming increasingly popular among women, the company naturally made its first leather goods, namely bags, to store these accessories. For nearly a century, Lancel continually innovated and filed numerous patents that allowed the brand to become a part of the French luxury goods industry and then, in the 1980s, an international brand. Integrated into the prestigious Swiss group Richemont in 1997, it was finally acquired in 2018 by the Italian group Piquadro.

As part of this latest acquisition, the challenge of migrating Lancel's IT infrastructure out of the Richemont network prompted the new CIO to completely rethink the existing model, which was heterogeneous and had changed little since 2011. "I joined Lancel at the end of 2019 with the mission, in 24 months, to migrate the legacy systems — three ERPs: Infor M3, Cegid Y2 and SAP — out of the Richemont Group's infrastructure and networks," says Michael Joncour, CIO at Lancel. "This was an organic, precise and perilous mission, especially in the middle of the COVID-19 period, which had a strong impact on the project."

The urgency of the situation led the CIO to capitalize on one of the existing solutions. An in-depth study of the Infor M3 ERP solution found that, although it had been installed in 2011, it was very functionally rich and it met the manufacturer's business requirements. The plan was to upgrade this robust system dedicated to the fashion and luxury goods industry, and it was only natural that Lancel chose the latest multi-tenant cloud SaaS option in order to migrate and upgrade Infor M3 to Infor CloudSuite Fashion as quickly as possible, without creating any disruption in current processes.

"The functional fit of the solution and its numerous standards dedicated to our industry; the prestigious customer references — in particular Zadig&Voltaire; the lack of time and the team available and the support provided by Infor's partner, CGI, which mastered the solution and the Lancel environment, all weighed heavily in the balance when choosing Infor," Joncour confirmed. "We decided to streamline the environment using the latest version of Infor CloudSuite Fashion, which runs in the AWS cloud, and added the Infor Birst BI tool for analytics and kept our Cegid Y2 tool interfaced with the Infor solution."

Today, the project is on track with the schedule as envisioned before the pandemic began. "The project started in March 2021 and the objective is to have migrated all of Lancel's infrastructure and data by December 31, 2021," said Olivier Scheidegger, director of consulting services at CGI, who is working with Lancel and the Infor teams on the project. "The choice of the cloud in this context is particularly astute in that it offers agility and a speed of deployment that is unmatched by traditional installations."

For Infor, the project validates the vertical industry approach and investments made in the cloud with AWS. "The popularity of our Infor CloudSuite Fashion solution with prestigious fashion brands in France and internationally is now more than ever a reality," said Philippe Maillet, Infor SMB & channel sales director in France. "With this project, carried out jointly with Lancel and our partner CGI, we are once again demonstrating our ability to rapidly transform a heterogeneous legacy environment into a homogeneous infrastructure for digital that centralizes both application solutions and data. In less than one year, despite the pandemic, Lancel will be able to benefit from a dedicated, centralized and secure

business solution. In addition, it will be able to continually benefit from the regular updates to its CloudSuite Fashion solution thanks to its open architecture and interface it with other applications, in particular with a PLM solution, as it plans to do."

Lloyd's, London Market Insurance Companies and DXC Technology partner to transform the technology and digital processing that powers the world's largest insurance marketplace

27 May 2021

Lloyd's, **DXC Technology**, the Boards of the Lloyd's Market Association (LMA), and the IUA (International Underwriting Association) have signed new Heads of Terms which will support the ambition set out in the Future at Lloyd's Blueprint Two to build the world's most advanced digital and technology led insurance market place.

The parties confirmed that this new arrangement followed many months of discussion, product development and early solution workshops that will provide accuracy, speed and processing power to the London insurance markets. The new technology and digital processing capabilities will support the ambition to allow a customer to get cover more quickly and support faster claims payments.

This unique agreement, that brings together both the Lloyd's and insurance company markets in London in a new joint venture agreement with DXC Technology, will deliver both world class technology as well as significantly reducing the processing costs for the market.

'The continuation of our work contributes to the far-reaching transformation of the London insurance market, advancing the market's ability to service complex risks,' said Mike Salvino, president and CEO, DXC Technology. 'Our collaboration with Lloyd's is characteristic of the 'new DXC', and our focus on delivering excellence to our customers and our customers' customers. Drawing upon our capabilities across the Enterprise Technology Stack, we will continue to deliver the right technology to support the London insurance market's progress towards a growth-driven, digital economy.'

John Neal, CEO of Lloyd's said:

'This new agreement demonstrates a clear commitment to achieving our ambition to build the most advanced insurance marketplace in the world under Blueprint Two. DXC has laid strong foundations which will enable us to deliver the infrastructure required to support the digital marketplace of the future and ensure that we get it right first time and at a process speed not previously seen in the market. I am delighted by the progress made so far and look forward to working together with the IUA and LMA to create the digital services that the London market can depend on for years ahead.'

Sheila Cameron, CEO of the LMA, said:

'Our shared goal is a digital marketplace enabled by a digital back office as its engine room. Managing Agents look forward to working in partnership with Lloyd's, DXC and wider London Market to deliver our shared vision over the coming years.'

Dave Matcham, CEO of the IUA, said:

'The Joint Venture has long provided critical resources and support to the London Market and we are excited to reinforce this commitment to work together. This will enable a vital digital transformation of central processing services.'

Raytheon Missiles & Defense selects VOLTA for its Digital Engineering framework

27 May 2021

Raytheon Missiles & Defense, one of the largest defense contractors in the world, has selected VOLTA as its digital engineering framework for Multidisciplinary Design Optimization (MDO) and Simulation Process and Data Management (SPDM).

As the defense industry base needs to innovate at a much faster pace than ever before, **model-based engineering, design space exploration and multidisciplinary design optimization**, along with collaboration through simulation data management are key enablers to accomplish this. We're proud to be at the forefront of this digital revolution.

Our VOLTA platform is built to lead the way to a new, more effective product development approach, where multidisciplinary teams efficiently manage all cross-functional, concurrent design steps by integrating multiple modeling formats and capturing the interactive and incremental continuous innovation process.

VOLTA is well aligned to **Raytheon's end-to-end approach to digital transformation**. Server-based, VOLTA will simplify data sharing across the product life cycle in an environment that is **secure and approved for classified work**, suitable for Raytheon. It will also streamline workflows by integrating internal tools allowing for better collaboration and transparency.

“Moving MDO **from a traditional desktop client to a server-based approach** is a paradigm shift,” said Roel Van De Velde, our Director A&D. “VOLTA’s modern web interface allows for real time collaboration with all stakeholders, both internal and external, having access to the same data at the same time. With its tiered access, **data can be easily version controlled, shared and re-used** across teams or between individuals, and knowledge becomes institutionalized rather than belonging to a few experts, thus democratizing and **scaling up MDO to a much larger community.**”

Tango Helps Big Lots Predict Post-Pandemic Needs with Extended Partnership

26 May 2021

Tango, the leader in Store Lifecycle Management (SLM) and Integrated Workplace Management System (IWMS) software solutions, is pleased to announce the extension of its partnership with Big Lots for three additional years. Big Lots, a national neighborhood discount retailer with 1414 stores, is now a full lifecycle customer, utilizing all products in the Tango Retail suite including Predictive Analytics, Real Estate, Projects, Lease, and Maintenance.

“With the adoption of Tango Predictive Analytics, we now have a complete end-to-end solution to support our location and development strategy,” said Shannon Letts, Senior Vice President, Real Estate Development at Big Lots. “Tango Retail allows us to define, develop and execute real estate strategies in a single solution, which is critical in the dynamic environment we are now operating in.”

With advanced artificial intelligence and machine learning capabilities, Tango customers can quickly adapt to new consumer behaviors, and ensure their real estate strategies position them for long-term success. Equally important, customers can then execute on new post-covid strategies from a real estate transaction, store layout, development, and maintenance perspective, a unique capability of Tango’s Retail suite.

“The retail real estate landscape has changed dramatically in the last year, and Tango is pleased to help customers like Big Lots navigate these changes and propel their real estate strategies forward,” said Pranav Tyagi, President and CEO of Tango. “Tango’s suite of tools is designed to address the full real

estate lifecycle holistically. As a full lifecycle customer, Big Lots can make smarter, more data-driven decisions regarding their real estate and facilities strategies to stay competitive in a fast-evolving market.”

The Flemish Government Selects DXC to Help Drive Transformation of Public Services

25 May 2021

DXC Technology announced that it has been awarded a new 7-year IT services agreement extension by the Flemish Government, to continue supporting the Government’s transformation journey and efforts to respond to citizens’ needs through innovative and reliable public services. As the volume of transactions increases with more consumer-driven demands for information, DXC will help the Flemish Government to lower total costs and improve mainframe operations, security, performance, capacity and processing efficiency.

DXC’s expertise and capabilities across the Enterprise Technology Stack will enable DXC to build, run and operate modern application services in a hybrid cloud infrastructure for the Flemish Government. The goal is to simplify the work of the public sector and support the Government to provide efficient, safe and easy-to-use digital public services, re-imagine the customer experience for citizens and businesses, and deliver more effectively on the public’s needs.

The contract extension is an opportunity for DXC to continue to deliver excellence and build on recent successful projects that Flanders citizens really care about; such as the “Corona Hinderpremie” for processing payment claims as well as “Vaccinnet”, a program for ordering vaccines in the health sector which DXC supported with training and user adoption to ensure a timely launch.

The Flemish Government and DXC have been working together for 18 years on diverse public sector projects and the contract extension reaffirms the strong relationship and confidence the Government has in the new DXC as a reliable IT partner.

Barbara Van Den Haute, administrateur-generaal at the Flemish Government: *“We are focused on the modernisation of our public services and are glad to continue that work in collaboration with DXC Technology. We are striving to push forward, together, our IT transformation to develop innovative projects that will improve, simplify, and accelerate our services for citizens, businesses, and associations; should they be related to health, environmental or economic issues.*

“The Government of Flanders is a valued DXC customer. We are thrilled to extend our collaboration for the next seven years, bringing to bear our capabilities across the Enterprise Technology Stack in order to help the Flemish Government realize their strategic ambitions,” said **Steve Turpie, Senior VP—EMEA, DXC Technology.** *“We are committed to the Government’s program and to deliver innovative, cost-effective and timely technology solutions to the business community and citizens.”*

Wicked Foods Acquires a Taste of Efficiency with Centric PLM

25 May 2021

Wicked Foods, the plant-based food company has selected Centric Software®’s Product Lifecycle Management (PLM) solution, Centric PLM. Centric Software provides the most innovative enterprise solutions to plan, design, develop, source and sell products such as apparel, footwear, sporting goods, furniture, home décor, cosmetics, food & beverage and luxury to achieve strategic and operational digital transformation goals.

CIMdata PLM Industry Summary

Founded by brothers and chefs Derek and Chad Sarno, Wicked Foods' mission is to bring innovative, restaurant-quality plant-based foods to mainstream shoppers. Their products are currently sold in Tesco supermarkets in the UK under the brand Wicked Kitchen with a US launch slated for July 2021.

“Wicked Kitchen has been one of the biggest success stories in the UK food market since its launch in 2017,” says Paul White, COO at Wicked Foods. “There are over 2 million committed brand fans helping to fulfill the brand mission—inspiring more people to eat more plants to create a more compassionate society by eliminating animal suffering.”

There were several challenges that caused Wicked Foods to turn to PLM. Says White, “As a brand with a global footprint working with some of the world's most technically & logistically advanced retailers, we need an infrastructure we can trust to manage the complexity in our business.” The company reached a point where they had to find a more robust way of managing their data to handle the speed, intensity and breadth of their product development. White says, “Launching dozens of products in different countries simultaneously with unique ingredient and labeling requirements, different retailer timelines and central distribution models and numerous supply chain and compliance standards requires a world-class solution like Centric PLM.”

Wicked undertook an extensive discovery process in looking for a PLM solution. Their criteria for selection had as much to do with the right partner as it did with functionality. Says White, “Wicked prides itself on the speed and efficacy of our response to our customer's needs and so when choosing partners we try to work with companies who share that same ethos—we were looking for someone who would be as responsive to our needs as we are to those of our retail partners over the long-term.

“Ultimately, Centric felt like a good fit operationally, strategically and culturally with the right balance of experience, flexibility and expertise for our needs. It will allow us to function in an organized and efficient way that is not just comprehensive but also intuitive and very user-friendly.”

The expected benefit from implementing Centric PLM is a world-class digital infrastructure to support the speed, accuracy and precision of their development projects. “Simply put, Wicked Foods wants to be the best, most effective business partner to anyone we work with, so we set ourselves an operating standard that demands better efficiency and responsiveness, both internally and externally,” says White. “Our world-class culinary standards require an extraordinary level of detail and data to provide consumers with the transparency and authenticity that they demand.”

White concludes, “We need to keep our processes agile, information readily available globally and the intricate details updated continuously. This way, we can fulfill the mission of Wicked Foods in a manner that is as authentic and true as our very first day but can now also deliver that aspiration globally in an expansive and highly effective manner through trusted partners like Centric.”

Chris Groves, President and CEO of Centric Software says, “We are happy that Wicked Foods has placed their trust in us to meet their demanding data requirements. With the recent launch of Centric Food & Beverage PLM, we are already seeing strong adoption of our solution packed with innovative features built upon years of success as the PLM leader in the fashion, home, retail and consumer goods categories.” Groves continues, “It is exciting to contribute to a movement that is introducing successful culinary plant-based dishes to the North American market and we look forward to their strong growth in the years ahead.”

Product News

Altair Announces Latest Release of Simulation Solutions

26 May 2021

Altair, a global technology company providing solutions in simulation, high-performance computing (HPC), and artificial intelligence (AI) announces the release of its latest simulation solutions, including comprehensive computational fluid dynamics (CFD) and expanded capabilities in electronic system design (ESD). Updates include all major CFD solutions under a single license, expanded end-to-end electronic system design capability, and seamless access to the cloud.

“Throughout our 35-year history, Altair has developed and acquired countless specialized technologies to solve even the most challenging CFD problems,” said James R. Scapa, founder and chief executive officer, Altair. “We are proud to have the industry’s most robust CFD offering whose breadth and depth is unparalleled and can efficiently and effectively address a broad range of multidisciplinary challenges.”

Unparalleled breadth of CFD solutions under a single license

Altair CFD™ is a cost-effective alternative to purchasing individual tools from multiple software vendors by delivering all major CFD solutions under a single license including:

- General purpose fluid dynamics and thermal simulation leveraging the Navier-Stokes (NS) method
- Simulation of oiling, sloshing and mixing with smoothed-particle hydrodynamics (SPH)
- External aerodynamics simulation using the Lattice Boltzmann method (LBM)
- Simulation of particle fluid systems with the discrete element modeling (DEM) method
- Modeling of complex, integrated thermo-fluid systems leveraging Altair’s unique system modeling technology

This ensures engineering teams always have the most appropriate technology available for each application, reducing modeling and product development times. Altair CFD provides advanced capabilities including coupling between several different CFD applications as well as with other applications such as structural analysis, etc.

Additionally, the LBM and SPH codes in Altair CFD were written from the ground up using native graphics processing unit (GPU) codes, enabling faster simulations, more design exploration, and improved product performance.

Expanded end-to-end electronic system design capabilities

Altair’s electronic system design toolset has a new thermal management workflow to enhance the design of electronic devices. In addition to the existing Altair SimLab™ workflows for structural stress, vibration, and drop-test performance, product engineers can now ensure the cooling of printed circuit boards (PCBs) and complete systems to prevent overheating, product reliability issues, or expensive late-stage redesigns.

Smart connected devices increasingly need high-speed memory. Altair PolEx™ has added signal integrity automation for double-data rate (DDR) memory interfaces, enhancing optimization of DDRx timing, transmission lines, topology, and terminations. Other improvements include additional power integrity simulation and the capability to export PCB layers for thermal management analysis. For more

information about the latest enhancements to Altair's ESD solutions, register for the upcoming "Modern Electronic System Design Webinar Series."

Zero-download simulation in the cloud with Altair One

Altair One is a single portal for Altair's products, accessible anywhere via standard workstations, PCs, laptops, and mobile devices. Users can launch simulation applications in the cloud from a single interface with easy access to resources that are on-premises, in the cloud, or a hybrid. Product teams can increase simulation-driven design collaboration by securely uploading, accessing, storing, and managing data using the Altair One drive.

Altair One does not require additional capital expenditures on complex IT and can scale immediately in response to peaks in workload. It also empowers users to provision turnkey, scalable appliance clusters across all major cloud providers including Amazon AWS, Microsoft Azure, Oracle Cloud Infrastructure, and Google Cloud Platform.

Flexibility is further enhanced by Altair Units, Altair's patented, subscription-based licensing model, which allows organizations to pay only for what their employees need, when they need it. This includes the new Product Engineer bundle that automates and simplifies complex analysis tasks for multiple physics.

Cadence Introduces the Spectre FX FastSPICE Simulator Delivering up to 3X Performance Gains with Superior Accuracy

20 May 2021

Cadence Design Systems, Inc. announced the new Cadence® Spectre® FX Simulator, a next-generation FastSPICE circuit simulator that enables the efficient verification of memory and large-scale system-on-chip (SoC) designs. As part of the industry-leading Spectre simulation platform, the Spectre FX Simulator's innovative and scalable FastSPICE architecture offers customers up to 3X better performance compared to the latest FastSPICE simulators with equal or better accuracy. With the addition of the Spectre FX Simulator, the Spectre platform offers the industry's only complete simulation solution providing a seamless accuracy-performance continuum for all applications from cell characterization through chip-level verification.

Today's complex memory and SoC designs need high accuracy and fast simulation performance to ensure they function as intended and meet chip specifications. Additionally, it's increasingly essential to include post-layout parasitics in the chip verification process, especially for advanced-node designs to account for the layout effects on the chip functionality. Innovative engineering went into the new FastSPICE solver development to provide breakthrough levels of performance and accuracy within the Spectre FX Simulator. The new simulator gives design and verification teams the ability to accurately check timing, functionality and power consumption of their full-chip and subsystem-level designs. In addition to the productivity gains achieved through improved performance with accuracy, the new Spectre FX simulator offers several other benefits:

- **Scalability:** The simulator offers scalability of up to 32 cores with multi-threading to parallelize transient simulations to take advantage of hardware resources and improve productivity.
- **Best-in-Class Use Model:** The Spectre FX Simulator delivers the industry's most intuitive use model with the best out-of-the-box accuracy and performance balance and a minimal amount of tuning needed to obtain the optimal accuracy and simulation speed for any given verification task.

CIMdata PLM Industry Summary

- **Ease of Adoption:** The simulator fully leverages the Spectre platform's infrastructure technology, including seamless integration into the Virtuoso® ADE Product Suite, providing easy adoption into existing Spectre and SPICE flows.
- **Comprehensive Analyses and Verification Capabilities:** The Spectre FX Simulator offers extensive verification capabilities, including static and dynamic circuit checking, alters, sweeps and Monte Carlo analyses, allowing designers to expand the scope of their verification beyond functionality, timing and power checks.

"At MediaTek, we need a highly accurate, scalable, and fast top-level verification solution for our advanced-node high-speed SoC designs," said Ching San Wu, Corporate Vice President at MediaTek. "Using the new Cadence Spectre FX Simulator, we accelerated FastSPICE verification by 3X, leveraging its performance, ease of use, and multi-core capabilities. By deploying the Spectre FX Simulator, we can leverage the full Cadence Spectre platform as a one-stop-shop solution for all our SoC simulation needs."

"Renesas' flash memory IP verification flow must verify functionality, timing and power in various operating modes efficiently and accurately, while also taking into consideration parasitic layout effects," said Mr. Nobuhiko Goto, Director, Design Automation Department, Shared R&D EDA Division at Renesas. "The new Spectre FX Simulator fits seamlessly into our IP verification flow and is on track to delivering 2X increase in productivity with its intuitive use model and the need for very little tuning."

"The Cadence Spectre Platform has been the leading analog simulation solution for more than 25 years, consistently providing our customers with proven accuracy and performance benefits," said Tom Beckley, senior vice president and general manager of the Custom IC & PCB Group at Cadence. "With the new Spectre FX Simulator, we are completing the Spectre portfolio and bringing customers a highly accurate and fast simulation solution. The Spectre FX Simulator allows customers to accelerate SoC design verification, enabling them to meet aggressive time-to-market goals."

The new Spectre FX Simulator further builds upon Spectre industry leadership and supports the Cadence Intelligent System Design™ strategy, enabling design excellence.

Component Alignment at the Touch of a Button

17 May 2021

OPEN MIND's *hyperMILL*® BEST FIT is a new function that is revolutionizing planning in machining operations. Instead of having to align the unmachined part in the clamping to the NC program manually, the *hyperMILL*® CAM system aligns the NC program automatically to the component position. This method saves time and increases process reliability, especially with cast, forged, welded, and additively manufactured stocks with small or irregular allowances, when reworking heat-treated parts, and during machine changeovers. Each of these processes requires a delicate touch to calibrate it with the CAD model of the end product.

hyperMILL® BEST FIT takes full advantage of the options offered by the virtual machine in the CAM program and communication with a 5-axis machining center capable of 3D measurements to eliminate the uncertainty that comes with manual alignment.

Real-time alignment for reliable, plannable processes

Up to now, it has been standard practice to adapt the stock and the clamping in the machine to the conditions of the NC program. The component is aligned manually, using a dial gauge, control cycles, plus a great deal of sensitivity. The actual clamping operation is adapted to conform to the virtual

CIMdata PLM Industry Summary

programming. This process was time-intensive, often needed to be repeated multiple times, and involved a number of uncertainties. One way to solve this issue is to align the component in CAM in real time. The unaligned stock is probed on the machine by way of a 3D measurement, the measurement log is sent to the CAM system, and *hyperMILL*® BEST FIT adjusts the NC code to the actual position of the component. The virtual world (programming) is adapted to the real world (clamping), not the other way around! The adjusted NC code is then simulated in the virtual machine on the actual clamping setup, and automatically optimized.

A real game changer in many application areas

“Thanks to *hyperMILL*® BEST FIT, time-consuming and unsafe component alignment on the machine is a thing of the past. *hyperMILL*® detects the situation on the machine and aligns the component virtually,” explains Manfred Guggemos, Product Manager at OPEN MIND Technologies. “Component alignment at the touch of a button is a real game changer in many application areas. This could include reworking refurbished parts and imperfect forged parts, machining parts that are too heavy to be aligned by hand, eliminating the need for high-precision equipment, and more. What makes this unique is that unlike previous solutions available on the market, *hyperMILL*® BEST FIT does not change the origin on the controller and generates completely collision-checked toolpaths.”

Fast Product Management Streamlines Fashion Development

18 May 2021

Discover e-Solutions (DeSL) showcases Fast Product Management, a productivity tool for improving and streamlining fashion development. Fast Product Management is among DeSL’s most popular tools due to its powerful and versatile features for retail, fashion, apparel, and footwear brands.

Fast Product Management’s unique configurable, grid like view allows users to manage virtually all aspects of the product lifecycle from a single intuitive screen. With quick access to an entire portfolio, season or category, users can work on multiple styles editing data and completing tasks from a single user interface. Fast Product Management streamlines and accelerates the development processes.

Styles can be grouped, sorted, and filtered to provide live data relevant to the user. Products can be worked on at the style or color level. Functionality is easily accessed for mass updates, and side-by-side comparisons from one screen. Critical path views allow users to see and complete their tasks.

Comprehensive and detailed costing and quoting analytics are also available through Fast Product Management. The highly configurable interface pulls costing data directly from request for quotes (RFQs) for sourcing teams to review. Tool features include breakdown of costing details and configurable costing calculations. Designed specifically to optimize workflow, multiple quotes can be reviewed at once within the same screen to accelerate the process.

Introducing new Climecon Tuisku.X MagiCAD for Revit plugin

20 May 2021

Climecon Tuisku.X MagiCAD for Revit plugin is a Revit add-in application that integrates the Tuisku.X web application and user-friendly product selection tool into MagiCAD for Revit and plain Revit.

Climecon’s high-quality louvres are designed to prevent snow and water from entering the intake air ducts. Tuisku.X product range consists of snow, rain and outside covers with mounting. The new plugin allows easy selection and sizing of the products and inserting them to MagiCAD for Revit or plain Revit

project.

After input parameters are selected in the plugin, Search covers -button shows list of products which match the search criteria. The selected object imported to the Revit project using the plugin carry data on dimensions, sound levels and pressure differences based on user-defined air flow values. In case more features such as material, paint or connection method are required, the user can select them on the product page and those are carried over with a product code.

Climecon is keen to develop and offer convenient selection tools and plugins to better serve the needs of HVAC designers. Same kind of plugin is already available for MagiCAD for AutoCAD / AutoCAD platform. There are also Climecon Vent.X and Huuva.X selection software available for air diffusers and hoods.

Lika Electronic's innovative rotary and linear encoders now available in over 70 CAD formats on TraceParts.com

19 May 2021

Lika Electronic, a manufacturer of rotary and linear encoders based on optical and magnetic sensing technologies, has chosen TraceParts to give millions of engineers and designers access to the CAD models of its products.

Ever since it was created in 1982, Lika Electronic has worked closely alongside its customers, especially by developing product ranges to suit their specific needs. It was actually in response to its customers' requirements and the needs of the market (robotics, medical, aerospace, etc.) that Lika Electronic decided to publish the CAD models for its range of rotary and linear encoders on the TraceParts platform.

Alessia Dal Pra', from the Marketing and Communication Department at Lika Electronic, explains the reasons that prompted Lika to focus its choice on TraceParts' solutions:

We have known and been using TraceParts for several years. We were determined to be an active part of their platform. Growing demand for 3D models among engineers and designers, and our desire to provide our customers with an end-to-end service prompted us to head down the 3D road.

We see TraceParts as a powerful marketing tool in terms of its ability to raise our brand's profile and market our products. We also believe that it is an invaluable tool for supporting our customers during the design phase.

For easier interaction with the people visiting its catalog, Lika Electronic is adding the "Request for quotation" function to each datasheet published on TraceParts.com.

As such, designers and engineers can submit a simple form containing the part number and quantity, and quickly receive a price proposal from Lika Electronic.

LTI Launches Operational Technology Transformation Solution with ServiceNow

25 May 2021

Larsen & Toubro Infotech, a global technology consulting and digital solutions company, has launched ServiceNow based Operational Technology Management solution for the manufacturing industry. The solution aims to address the latent demand of the industry to have digital workflows for Operational Transformation (OT) Service Management.

The solution leverages LTI's tech and domain expertise along with digital workflow enabling

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capabilities of ServiceNow, to deliver a scalable and secure solution for manufacturing operations using the Now Platform. This will help manufacturers embrace the concept of OT Management, in addition to IT Service Management (ITSM) practices. The solution also secures critical infrastructure from potential external threats and attacks, by helping ensure the foundational elements of OT cybersecurity.

With insights from this solution, manufacturers can derive business benefits such as assured systems availability and rapid resolution of issues through a common service data model for manufacturing operations. Key features of the solution include:

- OT Visibility: Enabling digital view of all OT assets along with location, configuration and health
- OT Service Management: Improved response time to OT service requests
- OT Security and Governance: Reduction in risk and improved compliance

Nachiket Deshpande, Chief Operating Officer, LTI, said, "At LTI, we firmly believe there are exponential opportunities in the convergence of physical and digital worlds. This shift is accelerated by demands of the new economy that largely operates in a virtual mode, enabled by cloud. We are confident that this pioneering solution developed in partnership with ServiceNow will transform operations management for manufacturers worldwide."

Binoy Gosalia, Global Head of Industry Partnerships at ServiceNow, said, "LTI's expertise in Factory Floor and Enterprise Operations Management combined with ServiceNow's continued innovation across the Now Platform helps ensure that OT Management addresses all of the current needs for manufacturers. Our combined collaboration will improve overall visibility, response times and security across the entire manufacturing value chain."

LTI is an elite partner of ServiceNow with implementations across Fortune 500 companies and expertise across ITSM, ITOM, ITBM, HRM, CSM, IRM, SecOps, and platform management services. In its recent report, Information Services Group (ISG) has named LTI a Leader in ServiceNow Ecosystem Partners across all services in their 2021 ISG Provider Lens™ report for the US.

New Vuforia Instruct Offering to Streamline Creation of 3D CAD-Based Work Instructions

27 May 2021

From the stage of the Vuforia® Live Virtual Event, PTC announced the release of the new Vuforia Instruct™ out-of-the-box offering from the Vuforia Enterprise Augmented Reality (AR) Suite.

The Software as a Service (SaaS)-based offering, available on the PTC Atlas™ platform, empowers original equipment manufacturers to extend the value of the digital thread all the way to their front-line workers. With Vuforia Instruct, enterprises can leverage 3D CAD data to easily create, deliver, and scale interactive AR work instructions, enabling them to optimize inspections for Quality and Field Maintenance use cases.

"We are thrilled to be working with PTC and Rockwell Automation to bring AR to our customers, and see tremendous opportunity to use 3D work instructions to address critical inspection steps within our maintenance, repair, and sanitation processes on our packaging equipment," said Alexander Ouellet, Innovation Engineer, Harpak-ULMA Packaging. "The enhanced work instructions created with Vuforia Instruct enable us to upskill our customers' employees, and even our own technical staff, on intricate procedures in mission critical environments. AR technologies will help our customers reap significant productivity gains by enabling them to improve the accuracy and timeliness of complex, manual

processes."

Approximately 67% of manufacturers are still utilizing manual paper processes for inspections. These existing methods are often error-filled, difficult to transcribe, and costly – ultimately becoming barriers to continuous improvement. Such inefficiencies can result in poor product quality or experiences, cost millions of dollars per year, and lead to loss of brand reputation, market position, customer satisfaction, and revenue. Vuforia Instruct enables companies to eliminate reliance on paper forms by delivering contextual visual guidance and references to front-line workers with built-in, real-time inspection feedback to capture critical insights.

"Vuforia Instruct enables organizations to transform the way they create and scale work instructions to their front-line employees," said Michael Campbell, Executive Vice President and General Manager, Augmented Reality Products, PTC. "Leveraging existing 3D CAD data, organizations can now guide employees to exactly where work needs to be done and provide them with detailed instructions for critical inspection procedures in context. Such enhancements are critical to industrial organizations looking to increase productivity, improve quality, and reduce unplanned downtime."

Siemens expands Simcenter with AI-driven generative engineering for systems architectures

25 May 2021

Siemens Digital Industries Software announces the release of Simcenter™ Studio software, a web application dedicated to discovering better system architectures, faster. Simcenter Studio offers a unique competitive advantage for designing products by finding the best possible system architectures in a shorter amount of time, searching through thousands of possibilities using artificial intelligence and system simulation. These results are automatically generated to meet the user's design requirements and deliver specific systems architectures faster than ever before. This AI-based generation of system architectures is the latest addition to Simcenter™ software within Siemens' Xcelerator™ portfolio.

Today, engineers rely on individual expertise and known rules, and only evaluate a limited number of system architecture variants before choosing the "right" concept for time sensitive projects. Simcenter Studio allows organizations to overcome these hurdles by using AI-based techniques to vastly expand the design space and perform rapid evaluations of system concepts to identify the most promising designs earlier in the development program. This new generative engineering approach to architect complex systems has applications in various industries including automotive, aerospace and heavy machinery.

"The expansion of generative methods toward system architectures will provide a clear competitive advantage for companies that design complex systems," said Peter Bilello, President and CEO, CIMdata. "With the introduction of this new offering, Siemens has demonstrated leadership by bringing together AI and system simulation for the conceptual stages of system design."

The tight integration of system simulation inside computational notebooks in Simcenter Studio is unique to the market and is complemented with an automatic generation of controllers to enable realistic trade-studies. This allows for the evaluation of the most important key performance indicators (KPIs) to be reliable and properly facilitated when making business and engineering decisions.

Trimble Introduces Vegetation Management Solution for Improving Electric Utility Infrastructure Resilience

25 May 2021

Trimble announced a new solution that helps utilities better manage the risk posed by vegetation-related outages—Trimble® Vegetation Manager. The modular software provides an end-to-end solution for driving down utility vegetation management operating expenses and improving safety, regulatory compliance, performance and reliability of electric transmission and distribution infrastructure.

According to the U.S. Federal Energy Regulatory Commission (FERC), the single largest cause of electric power outages occurs when trees grow or fall into overhead power lines. In addition, tree and power line conflicts have also caused significant wildland fires in both the U.S. and Canada. As electric utility companies in North America actively work to mitigate these threats, their Utility Vegetation Management (UVM) programs represent one of their largest recurring maintenance expenses. Utilities and regulators agree that keeping trees and vegetation from conflicting with overhead conductors is a critical responsibility of all utility companies concerned about electric service reliability and fire mitigation.

Encompassing the entire vegetation management work lifecycle, Trimble Vegetation Manager provides a comprehensive toolkit for electric transmission and distribution utilities, consisting of three modules that can be purchased separately or as a combined solution:

- **LiDAR Analyzer** - Integrates Trimble and third-party provided LiDAR-based geospatial data modeling and analysis to automatically capture vegetation threats
- **Program Optimizer** - Fine tunes vegetation cutting priorities and actions that target cost reduction, risk mitigation or both
- **Operational Manager** - Delivers operational capabilities for managing and prioritizing the field work of both crews and contractors, delivering visibility and metrics on overall vegetation management program effectiveness

The solution provides direct benefits to utility operators, enabling lower cost vegetation management operations, a reduction in reactive maintenance and reduced exposure to regulatory fines, wildfire risk and environmental impact.

"Trimble Vegetation Manager combines geospatial data with practical work management and analytics," said Tim Gallagher, general manager with Trimble's Utilities & Public Administration Division. "Now transmission and distribution operators and foresters have access to a full vegetation management solution to reduce operational expenses, increase regulatory compliance and meet their system reliability and sustainability goals—all in one software package."

Availability

Trimble Vegetation Manager solution is expected to be available in June 2021 through Trimble and Trimble's authorized network of distribution and reseller partners.