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CIMdata News

CIMdata & JANA to Host a Free Webinar on Structured Content

1 June 2021

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces an upcoming free educational webinar, “Structured Content: A Critical Component of a Robust PLM Strategy.” The webinar will take place on Thursday, 24 June 2021, at 11:00 a.m. (EDT) and last for one hour. CIMdata’s co-host for this webinar is JANA, an engineering service company specializing in technical documentation.

The need to make available the right product content (i.e., manuals, guides, bulletins, etc.) in the right format to the right people at the right time is a daunting task for many companies in multiple industries. Implementing a product lifecycle management (PLM) strategy without creating and managing all the related product content is a non-starter for most companies, especially those with complex and long service life products such as aircraft, automobiles, heavy equipment, and medical devices.

This webinar will provide insight into how and why structured content is a critical component of a robust end-to-end PLM strategy. The webinar will also study the need for structured content and describe how it fits within an enterprise content model. The webinar will also consider a typical PLM environment that includes the appropriate content solutions.

This webinar will help attendees:

- Understand what structured product content is.
- Understand how and where structured product content fits within an end-to-end PLM strategy.
- Understand what processes need to be enabled to support complete product content creation and management.
- Understand the appropriate ways to construct and manage the product content.
- Understand a typical technical architecture (e.g., enterprise content model).
- Understand the need for data governance to support an enterprise content environment.
- Understand the secret to success (i.e., the critical elements of a roadmap).

According to Peter Bilello, CIMdata’s President and CEO, “Many within the PLM industry believe that product content is as simple as pressing a ‘publish’ button in a PLM solution, but it’s not. We are happy to team with JANA for this webinar to help the PLM community understand how and why structured product content creation and management are critical and valuable components of a robust end-to-end PLM strategy.”

Glenn Emerson, JANA’s Senior Consultant for Content Strategy & Information Architecture, added, “Digital transformation requires an enterprise content strategy centered on the customer on the front end and a structured information architecture on the backend. This allows the product content to be personalized and dynamic, delivered through multiple media channels from a single source, in such a way that customers can find what information they need, when they need it, in the best format to achieve their goals with your products.”

This webinar will be helpful to executives responsible for PLM strategy and implementation, product content creation and management, technical publications, product training, marketing, service, third-party support (e.g., dealers), supply chain management & other similar organizations that create and

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consume product content. The content will also be of interest to those responsible for digital transformation, digital initiatives team leaders and team members, product managers, IT leadership, solution providers, or anyone who wants to understand product content creation and management's place within an enterprise PLM environment.

During the webinar, attendees will have the opportunity to ask questions about the topics discussed. To find out more, visit: <https://www.cimdata.com/en/education/educational-webinars/webinar-structured-content-a-critical-component-of-a-robust-plm-strategy>. To register for this webinar, please visit <https://attendee.gotowebinar.com/register/476096642718686736>.

Siemens Simcenter Studio: Enabling Generative Systems Engineering via Artificial Intelligence - a CIMdata Highlight

2 June 2021

During last week's Realize LIVE User2User virtual event, Siemens Digital Industries Software announced the release of Simcenter™ Studio, a web application that allows engineers and data scientists to create workflows in computational notebooks that enable generative engineering of complex systems. Simcenter Studio fosters innovation in designing new products by finding the best possible system architectures out of hundreds or thousands of possibilities using Simcenter's physics-based system simulation and design space exploration capabilities augmented by artificial intelligence. Optimal conceptual design results are automatically generated to meet the user's design requirements and specific system architecture constraints in a unique way to help engineers analyze, understand, and address cross-domain complexity more rapidly and reliably than ever before. This AI-based generation of system architectures is the latest addition to [Simcenter software](#) within [Siemens' Xcelerator™ portfolio](#).

Augmenting Human Intelligence to achieve Generative Engineering

So what's really new about Simcenter Studio? It's the merger of traditional documents and text-based information with embedded executable system simulations guided by artificial intelligence into a computational notebook—replacing the physical folders and workbooks that many engineers still use with a new digitally-enabled way of doing systems level design. Simcenter Studio creates a digital engineering notebook that is live, revisionable, traceable, archivable, and sharable in a digital format to enable both innovation and collaboration. Simcenter Studio helps bring physics-based systems simulation into the heart of the systems engineering trade studies process via a deep integration of Simcenter Amesim inside the computational notebook user interface. It accomplishes this goal by direct spawning of system simulation models from inside the notebook interface along with automated gathering and querying of the simulation results. A component-based domain specific language to capture design specifications combined with a new state-of-the-art AI-based generation algorithm assists engineers in generating and analyzing a large number of topologically different system architectures as well as variants of those system architectures in a much more rapid and accurate manner than can be accomplished with Excel spreadsheets and other custom codes often used in trade studies.



Figure 1—Simcenter Studio Hybrid Vehicle Design Application Example
(Courtesy of Siemens Digital Industries Software)

Bottom line: CIMdata believes that this new capability has the potential to significantly impact more widespread adoption of physics-based systems simulation earlier and more effectively in the conceptual design and systems engineering process, thus enabling generative engineering, and saving countless hours and dollars invested in suboptimal designs.

Acquisitions

Accenture Announces Intent to Acquire Leading EPM Solutions Consulting Company Nell’Armonia

1 June 2021

Accenture has entered into an agreement to acquire Nell’Armonia, a leading consulting and technology company specialized in enterprise performance management (EPM) solutions, headquartered in Paris, France. Financial terms of the transaction are not being disclosed.

Founded in 2005, Nell’Armonia has more than 135 highly skilled professionals with experience in Oracle EPM cloud solutions, as well as Anaplan, CCH Tagetik and OneStream solutions, serving clients across France and Israel with services that cover the entire EPM spectrum, from advisory to implementation and maintenance. Nell’Armonia complements Accenture’s existing capabilities and would enhance its ability to address clients’ needs for analytics-based insights to support finance and end-to-end enterprise planning. As a result, CFOs would be able to move with greater speed and take on more responsibility for strategy, execution, and the sustainable future of the enterprise.

“Robust EPM capabilities that bring together data, technology and talent are critical for creating a more dynamic, agile and actionable performance management process,” said Olivier Girard, market unit lead, Accenture France and Benelux. “Accenture is committed to providing the best resources and capabilities to meet the needs of our clients, and the combination of Accenture and Nell’Armonia would allow us to deliver the latest, most comprehensive solutions to help organizations succeed in their EPM transformations.”

Stephanie Jandard, managing director and Technology lead, Accenture France, said, “Many large French companies will engage in EPM transformation powered by cloud innovation and motivated by their commitment to sustainability. This is driven by leaders’ increasing need for a holistic, real-time view of their company’s critical functions, such as finance, HR and supply chain management, reliable insight

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on their Environmental, Social and Governance performance and the potential value that integrating sustainability into their business decision making can bring.”

Eric Leroy, CEO and founder of Nell’Armonia, added, “Many clients have undertaken projects to transform their EPM model. Reporting, planning, budgeting and forecasting processes are critical components for the success of such major technological and business transformations. Combining our strengths with Accenture would allow us to extend EPM beyond the finance function and strengthen our innovation capabilities by using the latest technologies such as artificial intelligence, predictive analytics and robotics. The opportunity to join Accenture would open up tremendous opportunities for our company and our people. Together, we would be able to support a larger number of companies in successful management transformation projects, integrating all the key functions of the company.”

The acquisition requires prior consultation with the relevant works councils and would be subject to customary closing conditions.

Accenture Federal Services to Acquire Novetta and Bring More Advanced AI, Cyber, and Cloud Capabilities to Client Missions

1 June 2021

Accenture Federal Services (AFS), a wholly owned subsidiary of Accenture (NYSE: ACN), has entered into an agreement to acquire Novetta, an advanced analytics company serving U.S. federal organizations that are pushing the limits of what’s possible with machine learning, cyber, and cloud engineering.

In fast-changing, high-risk environments, technology advancements and the explosive growth in data challenge traditional ways of operating. Novetta applies insights and disruptive technologies to transform how defense, intelligence, and law enforcement organizations can use data to better meet their mission and empower their workforce.

“Novetta will bring expanded capabilities, broad client relationships, and unique assets that complement our work in the national security sector and add greater scale to our digital capabilities,” said Accenture Federal Services CEO, John Goodman. “By joining forces, we will help clients in all government sectors become leaders in using sophisticated analytics and emerging technologies to solve problems in new ways and transform how they meet their missions.”

Novetta’s 1,300 employees — which include software developers, data scientists, and specialists in AI, machine learning, cyber, cloud, and information exploitation — will join Accenture Federal Services’ more than 10,500 employees. Together, they will deliver the next generation of programs to change and improve how the federal government works in the digital domain and be more innovative, agile, and secure.

“I am extremely excited about joining Accenture Federal Services,” said Novetta President and CEO, Tiffany Gates. “Because of our deep commitment to our staff and customers, it was critical to find the right fit, and AFS is an ideal home. They will provide new growth opportunities for our people, enable expanded capabilities for our customers, and allow us to accelerate our growth trajectory. I couldn’t be more proud of the outcome and I look forward to our future together.”

The completion of the acquisition from the global investment firm The Carlyle Group Inc. is subject to regulatory review and other customary closing conditions. Terms of the transaction were not disclosed.

Accenture Interactive Expands Experience-Led Transformation Services in Southeast Asia with Acquisition of Award-Winning Agency Entropia

2 June 2021

Accenture announced it has acquired Entropia, marking the first acquisition by Accenture Interactive in Southeast Asia. Entropia, one of the fastest-growing international agencies¹, will complement and expand Accenture Interactive's unique position in the market for experience-led transformation services.

Founded in 2016 and based in Kuala Lumpur, Entropia features a team of more than 210 employees skilled in scaling unique digital experiences for brands. The addition of Entropia will help Accenture Interactive transform and reimagine their clients' entire business through the lens of experience. The acquisition will also expand the creative talent pool within Accenture Interactive and create more learning and growth opportunities for people across both organisations.

Divyesh Vithlani, Southeast Asia market unit lead, Accenture said: "As more consumers shift to online channels, the growth of the digital economy in Southeast Asia has accelerated the massive disruption that brands are experiencing. This acquisition will allow us to expand our digital capabilities to meet the growing demands of our clients."

"Entropia's addition will help us deliver innovation through technology to drive commerce and growth for our clients in Southeast Asia. It's also an exciting chapter in our journey to strengthen and expand Accenture Interactive's presence in the region," said Thomas Mouritzen, Accenture Interactive's lead for Southeast Asia.

Entropia is one of the most awarded agencies in the region, receiving accolades from local and regional publications such as Marketing Interactive and The Drum. The agency boasts an extensive track record in helping blue-chip clients, including BMW, Nespresso, KFC, Tenaga Nasional Berhad, Telekom Malaysia, and Lazada, create brand experiences with a positive impact on people and business growth.

Most recently, Entropia teamed with BMW to create an action-packed augmented reality (AR) showroom for the new BMW X5 that brought the car and its features to life for consumers on lockdown during the global health pandemic. Entropia also worked with Nespresso to localize a global sustainability campaign by collaborating with renowned Malaysian artist, Red Hong Yi, to create an art installation titled 'Kaleidoscope.'

Prashant Kumar, founder and senior partner at Entropia, said: "This is the perfect time to join with Accenture Interactive and raise the bar in transforming data-driven marketing for businesses. I am thrilled to have both organisations come together and expand the canvas for our people, clients and their customers."

"The acquisition of Entropia lets us lean further into our global vision to take experiences – designed through deep human insights and powered by creativity and technology – to the next level. It also helps us deliver on our growth ambitions for our people, clients and the industry across the Asia Pacific region," said Flaviano Faleiro, Accenture Interactive's president for Growth Markets.

Atos completes acquisition of Ipsotek

1 June 2021

Atos announced today that it has completed the acquisition of Ipsotek, a leading AI enhanced video analytics software provider. This acquisition enables Atos to strategically reinforce its leading position in Edge AI and Computer Vision by adding key software capabilities and IP to its solutions portfolio to provide a unique offering to clients across a variety of sectors.

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Atos is already a major player in Edge AI/ML and more specifically Edge Vision, with its end-to-end Edge solutions from infrastructure to AI/ML professional services. It was named by Gartner as an Edge AI Tech Innovator for 2020 and it now continues to build on its expertise and innovation in this sector by welcoming around 50 highly skilled professionals to its team, which bring key capabilities in AI-powered video analytics solutions for mission critical solutions.

“In addition to bringing a key technology component for the growing market for edge-enabled solutions, Ipsotek’s portfolio complements Atos’ industry-led consulting value proposition and aligns in key growth industries including public sector, retail, manufacturing, transportation, and critical infrastructure.” said **Patrick Heffernan, Practice Manager and Principal Analyst, TBR**. *“Ipsotek’s 600+ projects in 38 countries demonstrates experience and scale and indicates to TBR that integrating Ipsotek into Atos will likely be a smooth and quickly beneficial effort.”*

Atos completes the acquisition of digital manufacturing specialist Processia

3 June 2021

Atos announced that it has completed the acquisition of Processia, a Product Lifecycle Management (PLM) system integrator and Dassault Systèmes Global Service Partner.

Founded in 2000, Processia offers consulting, integration and managed services for businesses in the aerospace, automotive, transportation, life sciences, discrete manufacturing and high-tech sectors. Processia’s capabilities are now integrated into Atos’s wide-ranging expertise in digital manufacturing to fast-track customers’ transformation and adoption of Industry 4.0 technologies.

The acquisition adds a highly skilled team of approximately 250 professionals to Atos.

Lectra completes the acquisition of Gerber Technology

1 June 2021

Lectra finalized the acquisition of all outstanding shares of Gerber Technology, on a cash-free debt-free basis, for 175 million euros – financed through a 140 million euro loan and the Group’s available cash – plus 5 million newly issued Lectra shares to AIPCF VI LG, Gerber Technology’s sole shareholder.

This strategic combination, of which all stages have now been successfully completed, has led to the creation of a leading global Industry 4.0 player for the fashion, automotive and furniture markets.

“The union of our respective innovative expertise, our state-of-the-art offers and our talented resources will enable us to bring long-term value to our customers. We will now be in an even better position to support our customers throughout the world in accelerating the digital transformation of their operations,” says Daniel Harari, Chairman and CEO of Lectra.

This acquisition, which was announced on February 8, was approved by Lectra’s Board of Directors on March 25 and by Lectra’s shareholders June 1.

Merger successfully completed: Precast Software Engineering becomes Allplan Software Engineering

1 June 2021

From June 2021, Precast Software Engineering will operate under the name **ALLPLAN Software Engineering** and become a subsidiary of ALLPLAN, the global provider of BIM solutions for the AEC industry. ALLPLAN sees the merger as a strategic response to the current challenges in the construction

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industry. By combining the strengths of both companies and establishing an **Allplan Precast Competence Centre**, ALLPLAN continues to consistently expand its leading position as **an expert for platform-based BIM solutions for the construction lifecycle**. Both companies now enable a seamless integrated BIM workflow from design to fabrication and construction - in line with the motto **"Design to Build"** and support industrialized construction.

In industrialized construction, parts of the structure are assembled from prefabricated components according to the modular principle. This shortens and simplifies design and construction processes. Other advantages include increased work safety on the construction site, as components no longer have to be made directly on site, as well as the promotion of sustainability by avoiding material waste due to efficient industrial prefabrication.

Dr. Detlef Schneider, CEO of ALLPLAN: *"We are very pleased that we now have the Precast competence directly in-house - we see a great future in industrialized construction, with which design and construction processes can be simplified and shortened. The growing demands of our customers for designs that are optimised for construction, so-called buildability, is at the heart of everything we do."*

Buildability for better project results

To reliably meet the cost, schedule and quality requirements of a construction project, buildability should be considered from the outset. Engineers, precasters and contractors are therefore increasingly involved in the early stages of design planning. As a central platform solution for the entire project, ALLPLAN offers planning tools for a wide range of tasks - from initial design to detailed design, structural and building services design, quantity takeoff and costing, site set-up and construction - and since the integration of PRECAST into ALLPLAN, also for the design and production of precast elements.

"Due to the well-established connection between our software solutions, we look forward to a closer collaboration to improve workflows for our clients. Bringing the considerations of manufacturing and assembly earlier in the design process, allows the skills and expertise of engineers, precast designers and contractors to influence the design process, leading to a more optimal design", says Kevin Lea, Senior Vice President Product Management at ALLPLAN.

Precast planning, including the design of fixtures and reinforcement, can be done quickly and conveniently with the automated functions in Planbar. Planbar allows reinforcement models and element plans to be generated automatically. The data can be transferred to work preparation software such as Tim|work, which performs a rule-based quality check as well as production, transport and assembly planning. Data is then created for downstream systems such as ERP, MES and BIM project rooms. Communication with the client, for example for approvals, takes place via the IFC model via BCF. The extensive automation ensures precision and at the same time saves valuable time throughout the entire manufacturing process.

Siemens acquires Nextflow Software to speed simulations with advanced meshless technology

3 June 2021

Siemens announced that it has acquired Nextflow Software, an independent provider of advanced particle-based computational fluid dynamics (CFD) solutions. Nextflow Software will become part of Siemens Digital Industries Software, where its offering will expand the Simcenter™ software portfolio, part of the Siemens' Xcelerator™ portfolio of software and services, with rapid meshless CFD capabilities to accelerate the analysis of complex transient applications in the automotive, aerospace, and

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marine industries such as gear box lubrication, tank sloshing or electric motor spray cooling.

“Our customers need to leverage sophisticated simulations earlier and more often in their design process, and this is creating a strong demand for rapid and automated CFD of dynamic gas-liquid flows,” said Jean-Claude Ercolanelli, Senior Vice President, Simulation and Test Solutions, Siemens Digital Industries Software. “Meshless technology has emerged as a leading solution to greatly reduce the setup and solving times for this class of problems, accelerating time to results and prove the behavior of products at a reduced time and cost.”

Siemens Digital Industries Software is already positioned strongly in the CFD market, providing both CAD-centric and high-fidelity solutions across mechanical and electrical design scenarios. The addition of Nextflow Software’s Smooth-Particle Hydrodynamics (SPH) technology into the Simcenter portfolio can enable analysts to leverage the complementary nature of meshless and mesh-based solvers to capitalize on each of their strengths, opening the door to new applications that were previously difficult to address.

“We are very excited to join Siemens and expand the scope of CFD simulation for our customers,” said Vincent Perrier, CEO of Nextflow Software “Today, there is no single validation approach that fits all industrial applications. As engineering problems become more complex and design cycles are shortened, analysts must find the optimal trade-off between accuracy and computation time. Nextflow Software’s SPH solutions nicely complement the existing CFD offering in the Simcenter Portfolio to overcome challenges of complexity and long run-times.”

Founded in 2015 and headquartered in Nantes, France, Nextflow Software is a startup company focused on the development of innovative SPH meshless CFD methods. They have played a critical role in moving SPH from academic labs into the hands of analysts across industries, helping simulate complex transient problems faster and earlier in the product development cycle.

The transaction closed on June 1, 2021. Terms were not disclosed.

Company News

Accenture Names CEO Julie Sweet to Additional Position of Chair of the Board, Effective Sept. 1, 2021

2 June 2021

The board of directors of Accenture has named CEO Julie Sweet to the additional position of chair of the board, effective Sept. 1, 2021. She succeeds David Rowland, who will step down as executive chairman and from the board on that date. Sweet, 53, succeeded Rowland as CEO on Sept. 1, 2019, when she also joined the Accenture board of directors.

“Julie’s appointment to the additional role of chair of the board reflects her exceptional track record as a senior leader for more than a decade,” said Gilles Pélisson, independent lead director of the Accenture board. “In less than two years as CEO, she established our new growth model and led the company through the COVID-19 global pandemic while strengthening commitments to sustainability and equality for all and creating significant value for our clients and shareholders.”

“On behalf of the Board, I want to recognize the outstanding contributions that David has made during his 39 years with Accenture, including 11 years as a member of Accenture’s Global Management Committee. As CFO, he was instrumental in our rotation to the new — digital, cloud and security — and built an even stronger, world class, technology-enabled finance organization. And we shall be forever

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grateful for his leadership when he stepped in as interim CEO when our former CEO, Pierre Nanterme, passed away — ensuring that Accenture continued its strong growth trajectory, laying the groundwork for its next phase of growth and executing a seamless transition with Julie.”

Rowland, 60, joined Accenture in 1983. He has served as executive chairman since September 2019 and previously was interim chief executive officer and a board member from January 2019 to September 2019. Before his appointment as interim CEO, he was Accenture’s chief financial officer for nearly six years and prior to that senior vice president of finance for six years. As CFO, he played a significant role in developing and executing Accenture’s strategy to rotate its business to the high-growth areas of digital, cloud and security.

“I want to thank David for his numerous contributions to Accenture over four decades, and for his extraordinary stewardship — he has inspired generations of leaders with his focus on always looking to the future, building a better Accenture for all, and solving for our clients, people and communities.” said Sweet. “We have benefitted from his experience and perspective through his service as executive chairman over the last two years, and I am honored to succeed him.”

Atos and Huma enter into five-year partnership to improve healthcare and research with innovative remote monitoring technologies

3 June 2021

Atos and Huma, the digital health innovator, have announced a 5-year strategic global partnership to shift healthcare and clinical trials from hospital to home. The partnership will focus on Huma’s modular platform which can power digital ‘hospitals at home’ up to national scale, as well as support pharmaceutical and research industries to run complex global decentralized clinical trials. The platform is already used in the US and across Europe for illnesses ranging from atrial fibrillation to diabetes to Covid-19.

Atos will use its experience in implementing and scaling complex transformation projects to accelerate adoption of Huma’s technology. This will include investment by Atos worth up to €20 million split across R&D and go-to-market resources, including dedicated consulting and sales personnel. The investment in R&D will fast-track the integration of the Huma platform with other leading clinical platforms, as well as develop a dedicated video module.

The immense pressure exerted by the Covid-19 pandemic on the world’s healthcare systems exposed the weaknesses of current models already overstretched with ageing populations and the rising global incidence of chronic conditions. Innovation is needed to improve both patient care and the overall efficiency of the care chain. Atos and Huma’s approach means patients are monitored outside of hospital and given timely, proactive clinical intervention ahead of need, ultimately optimizing the use of resources, improving patient outcomes and reducing long-term healthcare costs. Early stage evidence has shown Huma’s service, which has already been operating nationally across Germany, England and the UAE, can almost double hospital capacity.

Robert Vassoyan, Head of Health & Life Sciences business, Atos, said: *“We have great excitement about this partnership, as we are convinced that Atos and Huma can drive a systemic shift from reactive to proactive models of care. Huma is the company we’ve been looking for in this important mission that resonates with each of us personally as we seek to improve the lives of our family, friends, neighbors and society. This is a partnership worthy of the mission.”*

Dan Vahdat, CEO and Founder of Huma, said: *“This partnership takes us to a new league - we have already shown that we can create a service for a new disease area in a matter of weeks, as we did*

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during the pandemic, and that we can go live with over 100 clinics in a day. Atos will supercharge our work so we can offer services at scale, anywhere in the world across delivery of care and pharma collaborations leading to more people living longer, fuller lives.”

The partnership will benefit from Huma’s class-leading software platform and 40+ patents, and Atos’ extensive professional service expertise in digital strategy, change management and service management.

The 5-year partnership will begin with integration, enabling global go-to-market deployments, but will also combine Atos’s expertise of driving digital adoption, support and infrastructure with Huma’s digital care, clinical trials and biomarkers. The companies conservatively expect the combined service will reach €100m revenue per year within the first four years.

AVEVA and IMI Extend their Collaboration with new Partnership to Accelerate Marine Sector Digital Transformation in the Middle East and Africa

1 June 2021

AVEVA, a global leader in industrial software, driving digital transformation and sustainability, and International Maritime Industries (IMI), announced that they have extended their existing long-term collaboration with a new strategic partnership.

The partnership will further advance IMI’s engineering solutions to include production and manufacturing processes, developing best-in-class products and services for the maritime sector in the Middle East and Africa (MEA). The new a joint venture involves Saudi Aramco, Lamprell Plc, Bahri and Hyundai Heavy Industries and spans a 10-year period, to optimize digitalization across the maritime lifecycle utilizing AVEVA Unified Engineering and AVEVA Digital Ship and Shipyard Operations.

Set to be fully operational by 2023, IMI is driving an accelerated and advanced digital program to ensure it is able to commence yard operations using the most advanced technology innovations. This will help IMI to deliver agile and efficient newbuild project execution, a connected, digitally-enabled workforce to ensure safe and effective ship production, and a smart connected shipyard to continuously optimize the operational efficiency of its facility. The partnership will see all parties collaborating on enhancing digital transformation for IMI’s core business processes and facilities. AVEVA and IMI will also join forces to power futuristic developments and co-innovation of new technologies, including digital solutions and services for the maritime industry.

Fathi K. Al-Saleem, CEO at IMI, said: “The maritime industry is increasingly prioritizing and integrating the digitalization and automation of operations. IMI will offer a range of technologically advanced, high-quality sustainable products and innovative lifecycle management services for customers at internationally competitive prices. As the largest full-service yard in the MENA region, IMI will help shape the maritime industry as a global leader and disruptor in applying digital solutions to manage, monitor and operate our innovative smart yard.”

AVEVA is helping maritime sector organizations globally to transform their shipbuilding, utilizing its end-to-end solutions. Increasingly, organizations are examining energy-efficient digital transformation technologies as they focus on automating processes, optimizing operations, and enhancing efficiencies for a sustainable future. With AVEVA’s broad software portfolio addressing all aspects of design, engineering and operation, IMI is now well positioned to realize its digital goals.

Peter Herweck, CEO, AVEVA, commented: “AVEVA has a comprehensive portfolio of cutting-edge solutions for large-scale digital transformational projects for the maritime industry. We provide an

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integrated, data- management platform that spans IMI’s core business processes. We are also committed to being a strong partner for co-innovating on transformational technologies and services. We aim to play a key role in delivering data solutions for IMI, enabling them to offer smart digital products to customers. Using insights from advanced AI-infused analytics will enable IMI to continuously optimize its operational agility and engineering efficiency. We look forward to further building this partnership and taking it to new heights over the coming years.”

Campfire Interactive to Unlock Profit Potential on Amazon Web Services

2 June 2021

Campfire Interactive, Inc. (Campfire), the leading provider of portfolio profitability management in the automotive sector, announced a strategic relationship today with Amazon Web Services, Inc. (AWS), an Amazon.com company. Through the collaboration, Campfire will provide automotive businesses around the world with an end-to-end solution to unlock profit potential within a highly reliable, scalable, cost-effective, cloud-based infrastructure platform.

Automotive suppliers grapple with complex business problems while creating, managing, and executing profitability plans. New and ongoing vehicle programs combined with supply chain and production-related issues are among many challenges that must be proactively managed. Developing forecasts and determining the relationship of volume, cost, pricing, and capacity are slowed by a collection of non-integrated, manually produced worksheets created to produce business financial models and reports. Consequently, companies waste time and resources assessing changing business needs to understand how critical, key financial metrics such as profit, return on investment, and market share are trending at any given stage.

The Campfire and AWS collaboration changes all of this. Campfire will apply AWS’s broadest and deepest portfolio of purpose-built, cloud-native services and power next-generation automotive industry solutions. The resulting solutions will deliver on the promise of operational agility, addressing customer security, uptime, and service.

Campfire has begun integrating Amazon SageMaker (AWS’s service that makes it easier to build, train, deploy custom machine learning models at scale) and reporting/dashboards into its software, with additional technologies to follow. Work is also underway to accelerate the modernization of business-critical applications using serverless and container services to achieve maximum agility and reduce the total cost of ownership.

Advancing Profitability

The engagement provides Campfire with proven machine learning capabilities and advanced reporting/dashboard technologies. Additionally, Campfire will gain access to AWS resources and programs including best practices, the AWS Foundational Technical Review to promote solutions, and other assistance to help modernize its existing solutions.

“Campfire customers, like automotive suppliers who migrate to the AWS cloud, will see significant advancements in terms of capabilities, performance, and analysis,” said Pradeep Seneviratne, President and CEO, Campfire. “Machine learning technology will provide unprecedented business insights to support faster and more cost-efficient decision-making. The results will be much more accurate and predictable, and, in many cases, impossible to achieve without the technology.”

As cloud computing, machine learning, and artificial intelligence take on increasingly critical roles for manufacturers, software providers must respond with best-in-class enabling technologies - whether developed in-house or through strategic partnerships.

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“Our goal is to empower the Campfire user community with industry-leading technology, and we recognize the importance of integrating the expertise and resources of our partners in making this happen,” said Seneviratne. “With unmatched resources, proven experience, and a commitment to the automotive sector, AWS is a natural fit to collaborate with Campfire. We believe in AWS technology and are working to fully leverage its capabilities to move us to new levels of cloud computing and reporting much faster than we could expect to get there on our own.”

“The anticipated rebound in vehicle sales following the pandemic will influence demand and order volatility. Improved visibility of market conditions and their effects on production volumes and capacity will give auto suppliers a better understanding about the cost of a business opportunity,” said Bill Foy, Director of Automotive, AWS. “Accurate forecasting is both a priority and a necessity for automotive customers. An engagement with Campfire reflects a customer commitment to accuracy and insight for a supplier’s financial, engineering, and sales organizations, and Campfire can rely on AWS for the insights and agility it needs to continue leading in the automotive supplier market.

Optimizing the Customer Experience

Working together, the Campfire and AWS solution allows suppliers to quickly surface vast amounts of data and review key financial information such as optimal cost, price, and volume throughout the extended enterprise. Users can create, analyze, and modify plans, run scenarios, optimize portfolios, and manage long-term profitability models to produce critical financial metrics and insights.

Accounting for all data produced by costing and pricing functionality, suppliers model variables such as volume, material, customer type, and geography to determine customer impact while optimizing profitability. The result is a profitability management platform allowing business executives and analysts to focus on value-added data modeling, analysis, and insights rather than data entry, extraction, and maintenance.

With locations spanning more than 25 countries, Joyson Safety Systems (Auburn Hills, MI) is a leading provider of safety-critical components, systems, and technology. Like many other suppliers, the company has grown through a series of acquisitions and mergers.

“We have successfully deployed Campfire’s forecasting solution in the past,” said Nathan Rajen, Global Head of Technology, Strategy and Solutions, Joyson Safety Systems. “But Campfire’s engagement with Amazon opens the door to more fully leverage the software along with integrated ML and AI on a global scale. This will help standardize global business planning and allow us to optimize our use of data and resources, resulting in a greater advantage over competitors and a measurable impact on profitability.”

CGS Appoints Mark Tullio Chief Marketing Officer

2 June 2021

CGS, a global provider of business applications, enterprise learning and outsourcing services, announced that it named Mark Tullio as the company’s vice president and chief marketing officer. Tullio, located in the company’s headquarters in New York City, will lead the CGS global Marketing team, providing strategic guidance and leadership on everything from integrated marketing to brand strategy and positioning.

Tullio has more than 25 years of global marketing experience across private and publicly traded companies. His strategic and results-driven focus has helped launch new products, drive growth, optimize the funnel and champion the user experience.

“Mark joins CGS at a pivotal time when our customers and partners across all industries are adjusting to

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the new normal,” said Phil Friedman, CGS President and CEO. “Marketing to businesses that have been challenged in this turbulent year requires the right mix of experience. As we launch and enhance our award-winning solutions, his leadership will advance CGS to lead in various markets around the world.”

Prior to joining CGS, Tullio held marketing roles for such global brands as Booz Allen Hamilton, Sage Software, NBCUniversal and Kaplan, Inc.

“It’s an exciting time to come onboard at CGS as the company continues to enhance its services and expand its reach,” said Tullio. “With its international growth and reputation for best-in-class solutions with a who’s who of Fortune 500 brands, I look forward to driving growth and further elevating the company’s position as a leader across its applications, outsourcing and learning businesses worldwide.”

ESI Group appoints Yannick Charron as HR Vice-President

3 June 2021

ESI Group, a global player in virtual prototyping for industries, is pleased to announce the appointment of Yannick Charron as Human Resources Vice-President. Yannick will report to the Group CEO, Cristel de Rouvray and will be based in Rungis (France).

As a global and multicultural company – implemented in more than 20 countries – with a values-based culture, human resources functions are of core importance for ESI Group. Embarked in one of its major evolution of its history, the Group and its teams need a strong HR team able to accompany them in this journey. In his new position, Yannick will lead global HR and will chart an accelerated course to continue building a high-performance team functioning with best practices for a global software company and new work methods such as the implementation of a No meeting day.

Yannick, 46, joined ESI Group in 2020 as Corporate HR Director France & Headquarters. Previously, he was Director of Human Resources for one of the largest subsidiaries of SAS, an American software publisher specializing in data analysis, employing nearly 14,000 people. In a highly international context, he contributed to accompany the phases of its transformation into a global company and obtained several labels acknowledging the good practices implemented with this company in terms of human resources.

Yannick joined ESI Group one year ago in the middle of lockdown and brought a breath of fresh air to the company. He is in line with the transformation undertaken by ESI Group and endorses the role of accompanying the in-depth change while strengthening the company's leadership. We are very pleased to have him on board.

Cristel de Rouvray

Chief Executive Officer, ESI Group

Yannick Charron holds a DEA (Degree of in-Depth Studies) in Business Law from the Paris Cergy University (France). He began his career as a corporate lawyer, before moving into the human resources field, where he explored many aspects as his career evolved.

IFS Bolsters Board With Hanna Jacobsson Appointment

27 May 2021

IFS, the global cloud enterprise applications provider, announces that Hanna Jacobsson has joined its Board as a non-executive director. Following three years of successive double-digit growth, the appointment of Jacobsson indicates IFS’s ambitious growth plans are now firmly in their execution phase. As a finance executive, and one of the most respected Actuaries in the Nordics, Jacobsson will

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lead the audit committee at IFS and deliver the focus and balance required to underpin a fast-growing business.

The appointment is effective immediately and brings the current number of non-executive directors at IFS to six.

Jacobsson, who specialized in finance in her early career as vice CFO roles at Skandia and group CFO at Nordea Life and Pensions, later expanded her remit to join Klarna as Chief Risk Officer. Now Board member of Skandia, Tink and DBT, her skills and experience are being drawn on by both large, established companies as well as earlier-stage ventures looking to scale. Her motivations to keep learning, add value and work with organizations that share her values has earned her the respect of stakeholders across the industry.

Commenting on her appointment, Jacobsson said, “IFS is a cloud software business like no other, it has not only undergone a very significant internal transformation but also achieved phenomenal growth at the same time. The team has demonstrated a strong ability to make ambitious plans and deliver on them. The journey IFS is on today is very exciting, and I think I am joining at a great point in time as more and more businesses look to technology to transform and differentiate. With longer term growth strategies being set in motion, keeping the right balance across the entire business will be hugely important, and I am looking forward to doing my part to help IFS achieve its goals.”

Jonas Persson, Chair of the IFS Board, commented: “IFS’s growth in recent years is only a snapshot of what the team can achieve with great talent and support. Hanna has a proven history of working in the financial sector as CFO and Chief Risk Officer and has achieved significant successes in her career. Her values align to ours, which is very important to IFS, the Board, and the company’s owners. Hanna’s experience and passion to add value as IFS carries on its transformation and growth journey is very welcome and we are delighted by her appointment and look forward to working with her.”

Infor Names Chema Aramburu Executive Vice President and General Manager for Asia Pacific and Japan

1 June 2021

Infor, the industry cloud company, announced the appointment of Chema Aramburu as executive vice president and general manager for Asia Pacific and Japan (APJ). Based at the company’s regional hub in Singapore, Aramburu will be responsible for Infor’s business across ASEAN, Australia and New Zealand, Greater China, Korea, India and Japan, and will drive customer success and satisfaction.

“Chema is a seasoned leader in the IT and cloud industry, with a proven track record in leading business transformations and building successful sales teams,” said Kevin Samuelson, Infor CEO. “We are excited to have him on board to lead Asia Pacific, a region of tremendous opportunity and diversity. The APAC customers I have met are looking to technology to help accelerate innovation, grow and transform their businesses — be it quick access to data to attain better decision-making or enhancing relationships with customers, and with supply chains that have flexibility and agility so their business models can be highly adaptive. Infor’s multi-tenant CloudSuites are purpose-built for specific industries and enable organizations to drive greater operational efficiencies, scale their business quickly and achieve outstanding customer outcomes.”

Aramburu brings with him more than 20 years of experience in IT and cloud operations, with a top priority to drive SaaS (software-as-a-service) uptake across the region. He joins Infor following senior leadership positions at Oracle and SAP, where he played key roles in spearheading cloud adoption across APJ. Most recently, he was vice president of regional enterprise sales for Oracle Autonomous

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Database Cloud, APJ. Prior to that, Aramburu transformed SAP APAC's small- and medium-sized enterprise (SME) business through innovative go-to-market models and grew business revenues exponentially.

"I am excited to be leading a region that is seeing exponential growth as one of the key engines of the global economy, and where cloud adoption is accelerating rapidly across all sectors," said Aramburu. "As businesses increasingly look to digitize and scale their operations for greater agility and resiliency, technology and cloud will continue to be a key enabler. Infor is uniquely positioned to deliver industry-specific services and solutions to address the diverse challenges faced by businesses today, and I look forward to helping our customers navigate their transformation journey."

"Instrumental to driving huge growth and success will be my team. People talent is one of Infor's greatest assets, and I am thrilled to be a mentor and coach, and to help develop and retain a high-performing team that will delight our customers at every touch point," Aramburu added.

iPoint becomes WBCSD member

27 May 2021

We are proud to announce that iPoint has joined the World Business Council for Sustainable Development (WBCSD) as an innovation member. The WBCSD is an organization of forward-thinking companies that galvanizes the global business community to create a sustainable future for business, society, and the environment. By invitation of the CEO of WBCSD and approved by the Executive Committee, iPoint joined the WBCSD project Value Chain Carbon Transparency Pathfinder – an ambitious initiative dedicated to enabling widescale exchange of primary, carbon emissions data.

As a member of WBCSD as well as UN Global Compact, iPoint is strongly committed to achieving the UN Sustainable Development Goals. With iPoint's carbon footprint solution iPoint Product Sustainability in particular, we enable companies to determine and reduce the climate impact of their products. With our participation in the Carbon Transparency Pathfinder initiative, we want to contribute our expertise in building a technical infrastructure that will enable all businesses to advance the transparent and safe exchange of carbon emissions data.

"Driven by the question how today's technology can contribute to securing a sustainable world for future generations, I am convinced that sustainability does not work without transparency – the new paradigm for conducting responsible business," states Joerg Walden, CEO and founder of iPoint-systems. "Therefore, I am thrilled that iPoint has been invited to join the WBCSD's Value Chain Carbon Transparency Pathfinder initiative as an innovation member to enable the widespread exchange of carbon emissions data and thus contribute to decarbonizing industry through data transparency."

Earlier this year, iPoint's innovation hub CircularTree (Member of iPoint Group) also joined the Carbon Transparency Pathfinder initiative based on its successful completion of the CarbonBlock pilot project.

Jim F. Anderson Joins Altair Board of Directors

3 June 2021

Altair, a global technology company providing solutions in simulation, high-performance computing (HPC), and artificial intelligence (AI) announced that Jim F. Anderson was elected to Altair's board of directors at the June 2, 2021 annual stockholder meeting.

"Jim's passion around building sales channels, combined with his technical and business acumen, make him a superb choice as we focus on our mission to transform enterprise decision making through the

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convergence of simulation, HPC, and AI,” said James R. Scapa, founder, chairman, and chief executive officer, Altair. “His track record of scaling enterprise-level businesses adds outstanding depth to our board.”

Anderson has more than 25 years of IT industry experience. He is a managing director for Google Cloud and is also a member of the Go-To-Market Advisory Board for CapitalG, Alphabet’s independent growth fund. *Savoy* magazine named him one of 2020’s “Most Influential Black Americans in Corporate America.”

Prior to joining Google, he served as a vice president of the cloud service provider business of Hewlett Packard Enterprises, and president of the Americas for BAE Systems Applied Intelligence where he helped launch the company’s Cyber Security and Financial Crime software business. Anderson previously held executive positions with Cisco Systems, where he was instrumental in its fast-growing server business, and Dell where he was vice president of enterprise sales for the public sector. He began his career with Accenture.

“Altair’s strong culture, technology portfolio, and market position represent a unique opportunity,” said Anderson. “I look forward to contributing to the company’s growth as a member of the board.”

He holds a master of business administration degree from The Wharton School of the University of Pennsylvania and a bachelor’s degree in electrical engineering and computer science from Princeton University.

L&T TECHNOLOGY SERVICES BECOMES FIRST PTC GSI PARTNER FROM APAC TO RECEIVE ADVANCED PARTNER STATUS

3 June 2021

L&T Technology Services Limited, a global leading pure play engineering services company, announced that it has achieved ‘Advanced Partner’ status within the PTC (NASDAQ: PTC) Partner Network program for demonstrating excellence in product lifecycle management (PLM). LTTS is the first engineering and technology company in the APAC region to receive this recognition.

“We are very proud to get the Advanced Partner status for the PTC Windchill[®] PLM software, and view PTC as a key technology OEM for driving product innovation with our clients,” said **Abhishek Sinha, Chief Operating Officer and Member of the Board, L&T Technology Services**. “Together, we are working with clients around the globe in discrete and process manufacturing and strive to establish a source of digital truth across the enterprise and throughout the customer lifecycle.”

The Windchill PLM software provides comprehensive out-of-the-box functionality and highly configurable role and task-based apps, helping manufacturers across the globe unlock value.

LTTS achieved Advanced Partner status by exhibiting elite levels of technical and business competency with the Windchill platform for product lifecycle management, along with high customer satisfaction metrics and positive customer references.

"PTC looks to its GSI partner ecosystem to help drive customer growth and digital transformation," said **Ron Salvador, Senior Vice President, Global Alliances, PTC**. "By earning Advanced Partner status for Windchill, LTTS has distinguished itself as a key engineering collaborator with deep technical expertise and a documented track record of customer success."

LTI Syncordis Recognized as Temenos Service Partner of the Year

2 June 2021

LTI Syncordis, a global Temenos implementation partner and a subsidiary of Larsen & Toubro Infotech Ltd. has been recognized as Service Partner of the Year by Temenos at this year's virtual TCF Online 2021.

Since its inception, LTI Syncordis has remained committed to the success of Temenos community and has evolved into a global one-stop partner for end-to-end implementation and systems integration. In addition, LTI Syncordis is the first company with the authorization of "Professional of the Financial Sector" (PSF) in Luxembourg that is fully dedicated to Temenos services with capabilities to support all Temenos software and is consistently rated with high partner satisfaction scores among Temenos Services Partners. In 2020, LTI Syncordis selected Temenos to launch its innovative banking-as-a-service platform in the Nordic market which enables banks to modernize legacy core banking systems rapidly and efficiently. With more than 600 Temenos experts at Syncordis and 35,000+ technology professionals at LTI, LTI Syncordis is the preferred partner for Temenos clients worldwide looking for accelerated innovation.

Sudhir Chaturvedi, President & Executive Board Member, LTI said:

"We believe in delivering excellence and always going the extra mile for our clients. Being recognized for our commitment is marvelous and we at LTI Syncordis appreciate it very much. As a dedicated pure-play Temenos partner, we look forward to cementing our fruitful partnership with Temenos further and driving innovative digital transformation in the banking industry for many years to come."

Guillaume Desjonquieres, Chief Executive Officer, Syncordis commented:

"I am delighted to accept this award on behalf of all our staff who were key in making this achievement possible. Today more than ever, it is vital to focus on cooperation and delivering the highest quality end-to-end projects to financial institutions of all sizes. Making banking better is all about sharing responsibility and empowering innovative digital transformation programs. This recognition inspires us. Alongside our long-term partner Temenos, we will stay committed – both to the banks and their valued customers."

Alexa Guenoun, Chief Operating Officer, Temenos said:

"Partners have an amazing impact in the ecosystem we've developed over our 27 years in banking – they help us to innovate, to scale, and to make banking better for our customers, and the world. I am delighted to recognize LTI Syncordis for their part in delivering technology that creates better, faster and smarter experiences, and increased agility to respond to an ever-changing world. It's because of partners like LTI Syncordis that we have one of the strongest, most dynamic and resilient communities in the industry."

Wipro and Finastra Partner to Accelerate Digital Transformation in Transaction Banking

2 June 2021

Wipro Limited, a leading global information technology, consulting and business process services company, and Finastra, the largest pure-play software vendor that serves the entire financial services industry, today announced a partnership to help corporate banks across Asia-Pacific accelerate their digital transformation. The companies will create a unique offering that combines Wipro's comprehensive services catalogue with Finastra's front-to-back trade finance and cash-management solutions.

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A recent Finastra study showed that corporate banking clients have shifted their focus towards real-time execution capabilities, access to online platforms, and value-add services. In response, banks are moving away from the traditional relationship management model to become digital platform players that can meet client needs in a faster, flexible and more agile way. The partnership will help banks make this transition quickly through access to Wipro's service portfolio, from consulting and digital to infrastructure and operations, and Finastra's leading solutions - Fusion Trade Innovation and Fusion Cash Management.

Luc Hovhannessian, Managing Director for Asia Pacific at Finastra said, "Wipro's mature portfolio of services and deep experience in implementing Finastra's solutions are a perfect complement to our offering, making it a natural partner for us in APAC. It has never been more important for financial institutions to innovate digitally, but transaction banking is an area where many banks are playing catch-up. This strategic partnership is the continuation of years of collaboration with Encore Theme Technologies, now part of Wipro, creating an offering that will help banks accelerate their digital transformation, driving competition and increasing innovation in the industry."

Harpreet Arora, Vice President, BFSI Domain & Consulting Head, Wipro Limited said, "This partnership is in line with our continued efforts to strengthen our presence in Asia-Pacific and drive digital transformation. Having recently acquired Encore Theme Technologies, a specialist in implementing Finastra's trade finance solutions, this agreement is a logical next step in deepening our mutually beneficial partnership."

Wipro wins SAP® Innovation Award 2021 in the Partner Paragon category

3 June 2021

Wipro Limited, a leading global information technology, consulting and business process services company, today said it has been recognized with the SAP® Innovation Award 2021 in the Partner Paragon category for its Fashion Rental solution built on SAP Business Technology Platform.

The SAP Innovation Awards celebrate the achievements of forward-thinking companies that have harnessed the power of the latest SAP products and technologies to craft innovations. These innovations help companies become an intelligent enterprise, thrive in new business realities, and create a positive economic, environmental and/or social impact to help the world run better.

Harish Dwarkanhalli – President, Applications & Data, Wipro Limited said, "We are elated to win this prestigious SAP Innovation Award. The award is a recognition of Wipro's commitment to bringing innovations to our customers to help grow their business. We look forward to growing our close partnership with SAP and collaborating with customers to develop new and enhanced products and services."

Peter Maier – President, Industries and Customer Advisory, SAP said, "There were a total of 376 submissions for the SAP Innovation Awards and the quality of the submissions was incredibly high this year. Wipro's industry cloud solution is an excellent innovation example of how retailers can create a new channel for customers and drive a completely new revenue stream."

Event News

A Who's Who of CRE Thought Leaders to Present at Tango's 2nd Annual Virtual Workplace 2.0 Summit

3 June 2021

Tango, a leader in store lifecycle management (SLM) and integrated workplace management system (IWMS) software solutions, announced it will host a two-day virtual summit June 8 and 9, 2021 to discuss the evolution of where and how people work, the latest in workplace technology and what the workplace of the future will look like as more companies are starting to actualize their long-awaited return-to-office plans.

“With lower COVID-19 positivity rates, higher vaccinations and a sweeping reversal by the CDC of indoor mask mandates for fully-vaccinated individuals, the imminent return to the office is closer now than it has been in more than a year,” said Pranav Tyagi, President and CEO of Tango. “Through strategic guidance and best practices shared at this Summit, companies can make safer and more informed decisions as they move to bring employees back to the office. Forward-thinking leaders know this task does not come without its challenges and Tango, along with some of our trusted partners, has the knowledge to help organizations remain agile, overcome obstacles and thrive in the workplace of the future.”

In November 2020, Tango launched Workplace 2.0, an initiative to support organizations on their journey back to the office as well as reimagining the workplace of the future. This second interactive, virtual summit will draw upon those same ideas, while exploring new impacts of the pandemic on all aspects of the real estate and facilities lifecycle, including design and construction, lease administration and accounting, facilities maintenance and space management.

The Summit will include presentations from experts at the industry's leading consulting firms including Arup, EY, Google, Jackson Cross Partners, PwC, Salesforce, VergeSense, Verdantix and more, along with roundtable discussions, provider and occupier presentations, technology showcases and more.

Attendees can expect to receive insights on an array of timely topics, including:

- 5 Best Hybrid Workplace Practices
- Lease in a Post-Pandemic Environment
- The Post-Pandemic Technology Roadmap
- The Key to Hybrid Workplace Utilization
- The Real Time Occupancy Management Imperative
- Portfolio and Strategy Execution
- Advancing Real Estate Through a Center of Excellence

Hexagon hosts a Smart Manufacturing Virtual Open House

1 June 2021

Hexagon's Manufacturing Intelligence division announced it will host a Smart Manufacturing Virtual Open House from June 14 – 16, 2021. The jam-packed agenda includes 20 sessions presented by 14 Hexagon speakers covering hot topics from additive manufacturing to reverse engineering to the latest in non-contact measurement. Attendees will learn how data can be harnessed for agile smart

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manufacturing processes leading to the ultimate form of data leverage – autonomous manufacturing, intelligent machine control, predictive maintenance and more. An interactive showroom will be open from 10 a.m. – 3 p.m. featuring the latest Hexagon technologies supported by local subject matter experts (SMEs) ready to answer user questions. While Hexagon’s offices are safely open for business, the company chose to make this online 3D immersive experience widely available based on the high level of community engagement sparked by their first virtual PC-DMIS user group series

On Monday, June 14, at 10a.m., Keith Perrin and Sachin Mathur will officially launch the event with a keynote presentation entitled Empowering Smart Manufacturing through Connecting the Virtual and Physical Worlds. Keith Perrin currently leads Hexagon’s Smart Manufacturing initiative. Sachin Mathur was recently named one of the 25 leaders transforming manufacturing by the Society of Manufacturing Engineers (SME). They will delve into the power of connecting data from all functional touchpoints and departments throughout the product lifecycle.

"Our Smart Manufacturing Virtual Open House provides a timely juncture for users and managers to rethink and refresh their approach to smart manufacturing from the comfort of their home or office," stated Keith Perrin, Industry Director at Hexagon. "This informational event demonstrates Hexagon’s continuous support for customers already on the innovation frontlines and for those ready to pursue the continuous improvements found in a closed-loop system across design, production and inspection. We are excited to provide a virtual space for users who share our same vision and drive for smart manufacturing. This three-day event offers an unparalleled speaker line-up and educational content to help attendees spot the entry points for smart manufacturing in their factories and seize the opportunity to improve their workflow."

From Monday through Wednesday, Hexagon’s Smart Manufacturing Open House series will cover a broad range of trending industry topics including workflow automation, smart additive manufacturing, evolving measurement standards, next-generation non-contact scanning, reverse engineering, and production optimization with prediction. Also on the agenda are application-specific sessions such as sheet metal solutions, advanced machining toolpath strategies, and virtual simulation technology for assembly. Users will also get a sneak peek of new releases of software for design and engineering, production and quality inspection. During the open house, attendees will have the chance to interact with Hexagon SMEs and discuss pressing challenges standing in the way of digital transformation.

Stratasys to Participate at the Stifel Virtual Cross Sector Insight Conference on June 9, 2021

2 June 2021

Stratasys Ltd., the world’s leading polymer additive manufacturing company, is pleased to announce that the company will be participating in the upcoming Stifel Virtual Cross Sector Insight Conference on Wednesday, June 9, 2021, at 4:40 p.m. ET.

Implementation Investments

3D Repo Announce Strategic Partnership with Gammon Construction

2 June 2021

3D Repo, creators of cloud-based platform for building information modelling (BIM) are excited to announce a new strategic partnership with one of Hong Kong’s largest construction and engineering contractor, Gammon Construction.

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Gammon is the first organisation in Hong Kong to use the 3D Repo platform, which is equipped with SafetiBase, a 4D tool that helps improve health and safety through collaborative risk identification.

The new partnership will see Gammon Construction's digital innovation business, Digital G, promote and provide support for the 3D Repo BIM platform to users in the Hong Kong, Singapore, and Macau regions.

The partnership follows Gammon's recent roll-out of 3D Repo and SafetiBase on high-profile projects, such as the new £490m Advanced Manufacturing Centre (AMC) project in Hong Kong. Following the success, there are plans to scale on other Gammon projects and co-develop solutions for 4D modelling, IoT and immersive BIM CAVE environments.

Paul Evans, Gammon Executive Director and CTO, said:

“Safety is a high priority for Gammon and we are exploring how technology can help mitigate and manage risk. We conducted a number of trial use-cases of 3D Repo on our AMC project, such as the 4D modelling capabilities to play through high risk and repetitive sequences to identify potential safety issues and explore mitigation options. We quickly realised the value in 3D Repo's health and safety issue tracking tools, which allowed our project team to view potential problems and collaboratively resolve them in 3D before physical construction started.”

Referring to the use of 3D Repo on the AMC project, Ryan Wong Senior Construction Manager at Gammon E&M, AMC project said:

“We found that questions expanded beyond safety and the 3D environment and resulted in the team asking questions about quality and the practicalities of construction. Some of the queries would have been picked up later, such as has specialist plant and equipment been procured? How is it going to get in and out? Where will it be stored? The proactive 4D workshops picked these items up early, saving us time and potential complications down the line. We are now exploring options on how to enhance collaborative planning with 3D Repo, such as using immersive technologies like a BIM CAVE.”

Dr Jozef Doboš, Founder and CEO at 3D Repo said:

“We are delighted to be partnered with Gammon Construction and Digital G who are experts at bringing innovative digital solutions and smart technology to the construction industry. The 3D Repo platform has helped numerous large and complex projects in the UK and Canada to push the boundaries through digital construction and we're excited to bring those benefits to new territories through the expertise of Digital G.”

Gammon Construction is jointly owned by Balfour Beatty and Jardine Matheson. As a subsidiary of Gammon Construction, Digital G is supported by considerable local and international construction knowledge and are well positioned to identify the best digital tools to make building safer, more efficient, and increase profit.

Alstom Chooses Accenture and Dassault Systèmes to Develop New Cloud Platform for PLM to Increase Competitiveness and Support Growth

3 June 2021

Alstom has chosen Accenture and Dassault Systèmes to develop a new cloud platform for product lifecycle management (PLM) that is designed to increase the company's competitiveness and support its growth.

The new cloud PLM platform will optimize collaboration among Alstom's design offices, as well as better integrate and standardize the company's engineering, manufacturing and maintenance processes.

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Accenture will draw on its deep expertise in large PLM and cloud solution deployments and build on Dassault Systèmes' 3DEXPERIENCE platform to develop the new cloud platform. Alstom will roll out the new platform to selected sites in 2021 and to sites worldwide in 2022.

Alexandre Domingues, chief information officer at Alstom, said: "PLM is the backbone of our digital transformation journey and essential to our growth in an ultra-competitive global market. The new cloud-first system will allow us to work more efficiently and collaboratively, which perfectly meets our growth objectives."

Flavien Parrel, managing director for Industry X at Accenture in France, stated: "Through the new platform, we will deliver leading cloud-first and PLM capabilities to enable Alstom and its ecosystem partners to collaborate simultaneously across the full lifecycle of projects, from engineering to manufacturing to servicing. It will support the future growth of Alstom's business and serves as a testament to our Industry X and cloud-first capabilities in France, which are designed to accelerate innovation and competitiveness for industrial champions."

Florence Verzelen, executive vice president, Industry & Marketing, Sustainability at Dassault Systèmes, added: "Automation and digitization are transforming every aspect of industrial business, including how value is created. Our 3DEXPERIENCE platform offers Alstom the opportunity to be at the forefront of this Industry Renaissance with powerful, digital technologies that connect all disciplines in a value network. Alstom can strengthen its business processes and further consolidate its position as a European leader in the transport sector."

Atos successfully delivers command system for the SCORPION program to the French Defense Procurement Agency and signs major contract to further develop solution

1 June 2021

Atos announces that it has successfully delivered SICS, the command and control system for the SCORPION program, to the French Defense Procurement Agency (Direction Générale de l'Armement, DGA). Additionally, the DGA has also entrusted Atos to further develop the system and maintain it in working condition. This information system has a provisional authorization to operate at the "Restricted Distribution" level and will soon be deployed across all regiments of the army and its digitized carriers. The amount committed under this new 12-year contract consists of several tens of millions of euros.

The SCORPION program aims to develop the Army's close combat capabilities, so that they are better equipped to deal with new tactical challenges. Better protected and more mobile, all the systems developed as part of the SCORPION program, and which equip the Joint Battle Group, are fully connected and share combat information instantaneously. SICS (*Système d'information du combat Scorpion*), the unique information system developed by Atos, at the heart of SCORPION, aims to federate and exploit this combat information.

The deployment of SICS across all units will be led by the Army. The development of an enriched version of SICS will be carried out by Atos over the coming years. This includes functionality in order to extend collaborative combat, as well as maintaining the entire system in working condition.

"The initial feedback from the regiments is very promising." said the **Army Program Officer SCORPION**.

"Developed by Atos teams, SICS is part of the SCORPION program that will enable the French Army to maintain its operational superiority." said **Pierre Barnabé, SEVP, Head of Big Data and Cybersecurity at Atos**. **"With SICS, we enable land forces to access a new command system, which**

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represents a complete break from previous systems. With this new strategic contract, Atos is committed to providing enriched versions of SICS each year for all units in the field and is thus asserting itself as a long-term partner of the French Army”.

The aim of the SICS command system is to deliver, in an immediately comprehensible form, **relevant information to the person who will have to decide and lead the action**. SICS allows, through human-machine interaction adapted to operational needs, tasks to be automated and to be made transparent to the user.

The system offers unparalleled capabilities for **tracking the geolocation of friendly forces** with near real-time visibility of all units. This feature helps prevent fratricidal fire and contributes to the safeguarding of soldiers. It also makes it possible to monitor the tactical situation on the battlefield and to conduct operations at the level of a Joint Battle Group. With SICS, the combat leader has a better understanding of his environment and can thus make decisions adapted to the situations in which he finds himself. SICS also offers a new way of writing orders, with advanced text-mapping interaction.

For SICS, Atos is leading an industrial ecosystem that includes seven French defense SMEs and VSEs and is aiming to **export this expertise to allied countries**, such as Belgium, which recently decided to adopt the Scorpion system and its SICS component as part of the CAMO inter-governmental agreement.

Calvert County Uses Infor Technology to Quickly Distribute CARES Act Funding to Constituents

3 June 2021

Infor, the industry cloud company, announced the success Calvert County has seen with Infor’s cloud-based public sector solutions. Calvert County in Maryland, a suburb of Washington, D.C., needed a new technology solution that could help its teams quickly distribute funding received through the federal Coronavirus Aid, Relief, and Economic Security (CARES) Act. Intended to support businesses and nonprofits in navigating the pandemic, Calvert County had to quickly create a brand-new, public-facing process that was easy to navigate, able to facilitate a solid audit trail for funds attribution, and ready within 11 days in order to complete allocations to businesses in need. Using Infor Public Sector solutions, Calvert County was able to create a new program within four weeks to support its constituents in need.

An Infor customer for 13 years, Calvert County had been using Infor Public Sector applications to manage licensing, permit requests, onsite inspections, and various back-office functions. At the beginning of 2020, Calvert County had no online presence for processing business grants, and with the physical permit office being shut down and unable to perform normal business functions, an urgent solution to collect applicants’ forms was needed. An upgrade program was already underway with Infor Services when this urgent project emerged, and the Infor and Calvert teams immediately switched priorities to get the program up and running to promptly assist the businesses of Calvert County.

“We have entered the 21st century in Calvert County with this CARES Act grant funding program. We didn't have weeks or months to fine tune this process, and we had to do things right. We couldn't have done it without software, or we would still be processing paper as we speak,” said Danita Boonchaisri, deputy director of economic development at Calvert County. “Infor was able to give us a place to start when we didn’t have a playbook for this type of situation. We were frontline dealing with business owners whose entire lives were wrapped up in this crisis, trying to counsel our business community, and trying to help them as best as possible. When we received the funds allocation, we wanted to distribute it as fast as possible to people in need. With Infor, we were able to make this program work efficiently

with our small staff.”

Infor CloudSuite Public Sector is a complete suite of applications built for state and local government. The purpose-built software (Community Development and Regulation) includes solutions for planning, permitting, projects, licensing, and case management. In addition, Infor Rhythm for Civics is uniquely designed to enable governments to deliver a constituent-centric experience and robust self-service portal. A single intuitive interface provides businesses complete visibility into their projects, from planning and applying for renewals, to paying fees, scheduling inspections, to tracking reviews in real time. The platform helps boost regulatory and code compliance and removes the need for citizens to understand the agency structure and navigate multiple departments. Citizens are enabled to initiate new projects and track progress seamlessly.

“Infor continues to innovate to help state and local agencies modernize with government software applications that deliver full transparency, keep up with changing regulations, and provide efficient services that constituents require,” said Bob Benstead, industry director of Infor Public Sector. “More than ever, this last year has shown us that data, visibility and cloud technology are at the center of the way we work, keeping us moving when things have stopped around us. Infor’s government solutions aim to change the way government agencies interact with their constituents, moving them out of customer service lines and into a more convenient online system that empowers them in a much more meaningful way.”

Parallel to this project, the Infor team helped Calvert County utilize the Infor Field Inspector application, which delivers more functionality in the field to allow its teams to resume operations promptly and more efficiently, even during the pandemic lockdown, providing better service to constituents.

EdgeCortex Collaborates with Cadence to Accelerate AI Chip Design

2 June 2021

Cadence Design Systems, Inc. announced that EdgeCortex, Inc., a leading innovator, focused on artificial intelligence (AI) driven software and hardware acceleration solutions, specially designed for edge computing scenarios, has deployed multiple Cadence® verification and digital tools to accelerate the design and verification of its edge AI chips. In particular, the Cadence Verification IP (VIP) for the Arm® AMBA® 3/4 AXI standard and faster simulation performance with Cadence Xcelium™ Logic Simulation, enabled EdgeCortex to shorten its verification environment's development to less than a month, while the Cadence Genus™ Synthesis Solution and Joules™ RTL Power Solution delivered a 2X reduction in power analysis time with better power, performance, and area (PPA).

The Cadence solutions were easy to deploy and use, so the EdgeCortex team was able to boost productivity. For example, the VIP for AMBA AXI comes with comprehensive, built-in protocol checks and debugging aids, which made it simple for EdgeCortex to catch protocol bugs early, reducing testbench debug time. Also, the Joules RTL Power Solution let EdgeCortex complete RTL power analysis quickly on multiple versions of their RTL IP, surpassing the planned timetables that were originally allocated for selecting the final RTL IP configuration used for GDSII conversion.

In addition to using the Cadence VIP for AMBA 3/4 AXI and Joules RTL Power Solution, EdgeCortex uses additional Cadence solutions, including the Xcelium Logic Simulator and the Genus Synthesis Solution. EdgeCortex was able to improve overall verification throughput and meet its verification schedule using the Xcelium simulator. Utilizing the Xcelium simulator's multithreading capability, EdgeCortex was able to run simulations 1.8X faster, with large deep neural network models like YoloV3 running on its IP. Additionally, the Xcelium simulator's superior debug capability allowed EdgeCortex to

quickly debug assertions and transactions. The Genus Synthesis Solution's multithreading capabilities allowed EdgeCortex to try more synthesis options to obtain the best gate-level netlist in less time.

"At EdgeCortex, we provide software and hardware acceleration IP based on our runtime reconfigurable architecture called Dynamic Neural Accelerator™ (DNA) architecture," said Sakyasingha Dasgupta, CEO, EdgeCortex. "To develop our AI chips, we need solutions that can handle the design complexities while also ensuring our aggressive time-to-market schedules are met. The Cadence digital and verification solutions provided us with tools that made the verification process much more efficient, and the Cadence team offered standout customer support that allowed us to quickly ramp up our design project. To leverage cloud scalability and agility, we now plan to adopt Cadence CloudBurst platform, which provides a ready-to-use cloud-based design environment so that we don't have to worry about IT setup and infrastructure management and can focus on delivering our products efficiently."

Cadence Verification IP and Xcelium Logic Simulation are part of the broader Cadence Verification Suite, and the Cadence Genus Synthesis Solution and Joules RTL Power Solution are part of the digital full flow. The verification suite, the digital full flow and Cadence CloudBurst™ platform support the company's Intelligent System Design™ strategy, enabling SoC design excellence.

Infosys and Roland-Garros Bridge the Experience Gap for the Global Tennis Ecosystem with AI, Immersive 3D and Digital Platforms

1 June 2021

Infosys, a global leader in next-generation digital services and consulting, and the French Tennis Federation today unveiled new technologies to help bridge the gap between remote fans and the game, transforming the Roland-Garros experience for the entire tennis ecosystem.

Fans, players, coaches, broadcasters, journalists, and the tournament organizers will navigate the historic Grand Slam in innovative ways by using a new set of immersive and intelligent tools. Roland-Garros 2021 will see Artificial Intelligence (AI), 3D and cloud solutions being leveraged to transform match viewing, player training, tournament reporting, and broadcast editing. To celebrate the Roland-Garros spirit and heritage, a first-of-its-kind digital art museum will also be launched.

Amélie Oudéa-Castera, Chief Executive Officer of French Tennis Federation (FFT), said, "This is our second year impacted by the challenges of the pandemic and social distancing, but partnering with Infosys we have set a gold standard for other sporting organizations navigating a disrupted season, and looking to bridge the gap between players, coaches and fans across the world. The innovations we have created are leading the way in establishing a long-term immersive and digital standard for sporting tournaments."

The latest innovations will deliver new possibilities and experiences for the various Roland-Garros audiences, from players to fans, including:

- **3D Art Museum** – A pioneering immersive experience, the 3D Virtual Art Museum will bring the Roland-Garros culture and heritage to audiences across the world. The spirit of the tournament will be brought alive via a digital visit to the museum, where audiences can interact with legendary official posters and artwork from the past 41 years, and benefit from insightful commentary on each piece as if they were present in person.
- **Transforming player training with AI and Natural Language Generation** – Building on AI-powered match analysis introduced last year in the Roland-Garros Players App for players and coaches, Infosys AI Videos have been enhanced with new cognitive capabilities such as natural language search. Players can analyze their performance by querying the AI tool in English,

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which will return insights to make better-informed training and match strategy decisions. Infosys AI in the official Players Portal has also evolved to analyze positive elements of performance as well as areas to focus on, while generating instant summaries for players, seconds after the match. The tool enables remote collaboration amongst the player and coaching community from across the world to enhance communication and analysis, which will ensure better-informed training decisions and performance improvement.

- **Reimagining the Fan experience virtually** – The actual sights and sounds from the tournament have been integrated with Infosys’ data and insights capabilities so fans can follow the game and analyze it at the same time. The ever-evolving Infosys Match Centre is available in an immersive 3D format with data-driven courtside views, while the Match Centre in the Roland-Garros app delivers a mobile-first data visualization experience. Through the app, commentary and insights via AI-powered voice assistants will also be made available to audiences through popular smart home devices, including access to match schedules, live radio broadcasts, event podcasts, and a roundup of the day’s events.
- **Empowering the media with digital platforms** – Reporting on Roland-Garros matches and broadcasting highlights have been reimagined for a world of digital-first media consumption. Infosys will provide its AI Highlights solution to a number of official broadcasters. The solution includes richer analysis and identification of key, shareable moments such as post-match player camaraderie and signatures on camera, while also dynamically resizing videos with AI, to produce ready-to-publish clips for different new-age social platforms that require specific aspect ratios. Infosys AI-Assisted Journalism has also evolved this year to include additional filters for generating insights and graphics, enabling richer storytelling.

Pravin Rao, Chief Operating Officer, Infosys, says, “As the official Digital Innovation Partner for Roland-Garros, we have innovated to ensure the digital experiences we create are truly human experiences. This year, we are proud to have leveraged digital technologies in ways that truly immerse remote audiences into the full tournament experience. Through AI and 3D technologies we now have the potential to revolutionise the ways in which coaches and players train, and can ensure that fans, players, and coaches remain as close to the game as possible. We continue to find breakthroughs as we evolve the role of data, AI and digital in sport, and I look forward to what the future holds.”

The Official Roland-Garros App is available to download from the respective app stores for Android and iOS devices. AI-powered match reporting tools and journalist insights will be available to accredited media at Roland-Garros 2021. The tournament runs from 24th May 2021 to 13th June 2021.

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, today 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

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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.

Plataine and Eastman Machine Co. Sign Partnership Agreement

2 June 2021

Plataine, an AI-based and IIoT (Industrial IoT) solution provider and Eastman Machine, a leading cutting machine manufacturer, announce a partnership agreement. This partnership offers significant benefits to industrial manufacturers, including reduced material waste, improved manufacturing efficiency and quality control on the production floor.

Plataine and Eastman's collaboration enables to deliver the best innovative solutions to the market, bringing manufacturing efficiencies to a new level as well as operational efficiency. This synergy will enable industrial manufacturers to put in action Plataine's Digital Assistants, delivering real-time proactive recommendations to that can impact the bottom line of the business. In addition, automation leads to a paperless production environment. Plataine's AI-based Digital Assistants help shop floor production workers dynamically optimize operations and eliminate delays during the manufacturing process by delivering predictive alerts, actionable insights, and real-time recommendations.

The combination of increased process automation and improved human-machine collaboration streamlines production, ensures higher quality, reduces the risk of human error, and minimizes re-work and scrap. Additionally, real-time asset tracking further reduces material waste and human error, as well as eliminating production delays. The system automatically generates a complete Digital Thread – a comprehensive record of all stages of production – giving full traceability from raw material to end-product. The Digital Thread delivers radically improved quality control and ensures that the customers are always audit-ready.

Eastman Machine Company designs custom cutting solutions for elite manufacturers around the world.

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In collaboration with world-renowned material producers and industrial manufacturers, Eastman engineers are continuously innovating and expanding product offerings. Automated cutting systems, engineered for single to high-ply requirements, reduce labor while maximizing quality and material utilization on even the most demanding material composition. Eastman machinery is proven to be simpler to operate and less expensive to maintain, boosting productivity and efficiency. When working with advanced materials, unreliable cutting solutions can severely impact production and profit. Eastman's high-quality machines, paired with its comprehensive software suite, deliver accurate cuts and clean edges, even after hours of run time.

Trevor Stevenson, Vice President of Eastman, says: "Eastman offers the industry's widest range of fabric cutting machines, as well as a comprehensive line of fully automated spreading and material handling systems. Now, working with Plataine, we have future-proofed our offering to our customers, ensuring that they leverage the tangible manufacturing optimization benefits of the latest AI-based and IIoT technology today, and also ensuring that they are ready for the challenges tomorrow will bring."

Avner Ben-Bassat, CEO and President at Plataine, adds: "Eastman's engineering capabilities are world class. I am excited about our partnership with Eastman, that will enable our joint customers to leverage the benefits of the AI-based and IIoT technologies, drive reduction in production costs and bring manufacturing efficiency to a new level."

Schneider Electric Supports Guardian Glass in Journey Towards Power Digitalization

2 June 2021

Schneider Electric, the leader in the digital transformation of energy management and automation, announced that it enabled Guardian Glass, a leading glass manufacturer, to improve power reliability and efficiency with its EcoStruxure architecture. EcoStruxure is Schneider Electric's open, interoperable, IoT-enabled system architecture and platform.

Guardian Glass and Schneider expands relationship built on trust

Guardian Glass operates a 750,000 square foot plant in Dewitt, Iowa which features a furnace that operates at 2,800°F to pull approximately 700 tons of glass every day, around the clock. The furnace is critical to the plant's operation and a shutdown can have devastating consequences.

After experiencing disappointing and costly results from Schneider Electric competitors, including a power and capacitor bank failure, Guardian Glass turned to Schneider Electric for help and installed its VarSet™ capacitor banks. Guardian Glass quickly saw meaningful results after installation. Its power factor went up to 97%, making it eligible for monthly credits of 4% on its utility bill and set it on track for a two-year payback.

"We need reliable equipment to continue operating at the optimum level – meaning we require uptime 365 days, 24/7," said Mike Flesch, Senior Controls Engineer at Guardian Glass. "Our digital transformation with Schneider Electric EcoStruxure solutions has allowed us to have greater insight into power, reliability, and power factor."

The solution didn't end with the capacitor banks. PowerLogic™ meters now provide Guardian Glass with important visibility into power usage. The PM5000 Series and the PM8000 Series meters support the energy usage as well as the visibility to reveal damaging and costly power quality issues — allowing the facility to fix issues that would otherwise be unseen. Plus, EcoStruxure Power Monitoring Expert software gives Guardian Glass full visibility of power factor, real-time power, capacitor bank steps, and various alarms for any issues with the system. By connecting these smart meters with energy and power management system software, like EcoStruxure Power Monitoring Expert, the full potential

of power digitalization is realized – tasks are simplified, activities are streamlined, and processes are now automated.

“Schneider Electric went above and beyond in this project at the inception,” said Flesch. “I have confidence that Schneider Electric sees the big picture and will look out for us in the future.”

Building of the future captures the power of all-digital, all-electric infrastructure

Most public, commercial and industrial buildings are not energy efficient, representing an enormous untapped potential for decarbonization and sustainability efforts, as well as utility bill savings. Power digitalization plays a foundational role in active energy management and efficient facility operations. For existing buildings, this can be done by retrofitting electrical systems with smart devices and using energy and power management software that improves energy efficiency and reduces risk. This power digitalization investment helps facility management and maintenance personnel make better decisions, resolve issues more quickly, minimize downtime, and use less energy. EcoStruxurePower offers Connected Products, Edge Control, and Apps, Analytics, and Services from Schneider Electric’s IoT-enabled EcoStruxure IT architecture. Together, these innovations help plants thrive at every level and provide:

- ability to manage the plant’s electric usage effectively
- visibility and control of power distribution across plant processes
- analytics to improve efficiency and reduce energy use
- improved accuracy of utility charges with shadow billing

“The industry is changing rapidly and in order to keep up with increased demands, buildings – both new and retrofit – need to adapt,” said Khaled Fakhuri, Vice President of Digital Power at Schneider Electric. “At Schneider Electric, it’s our goal to help our customers like Guardian Glass do more with less and realize the benefits of digitalization in energy management.”

SNS Food Gets a Taste for Innovation with Centric PLM

1 June 2021

SNS Food Co., Ltd, the Chinese condiments company, 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.

SNS Food was established in Wenjiang, Chengdu in 2007. As a catering compound condiment producer providing flexible customization services, SNS Food combines modern food science and flavor formulation technology with in-depth research. In long-term partnerships with many famous Chinese catering chains, SNS Food has enjoyed swift growth since 2014.

SNS Food is serious about product R&D investment and continues to gain quality-focused customers, even during the Covid-19 pandemic, but faces challenges associated with rapid growth and coordinating many complex projects and products to serve over 6,000 customers. To maintain its high standards, SNS Food needed a digitalized innovation platform.

SNS Food selected Centric Food and Beverage PLM as a perfect match for the company’s ‘Make Customers Satisfied’ philosophy and noted that Centric is a proactive collaborator with a devoted team, sophisticated software and insightful understanding of the industry.

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SNS Food's digital transformation project will use Centric PLM to establish one holistic digital management platform that replaces many different and disconnected systems, enabling a centralized and simplified data flow centered around products.

"Joining forces with Centric, we look forward to establishing integrated product databases that include raw materials, formulas, regulations, materials and packaging, as well as achieving standardization and digitalization for innovation initiatives," says Ms. Zhang Min, Co-founder and Technical Director of SNS Food. "We expect to enhance competitiveness with quick and sensible market judgments. A good product and business model means long-standing competitiveness, even in a pandemic."

"We are very happy to announce that SNS Food is our first food and beverage customer in China," says Chris Groves, President and CEO of Centric Software. "SNS Food is a leader in whole-chain digitization, and we look forward to working with them to build an innovation platform that will drive their future development."

Supertec chooses NUM technology for its latest CNC cylindrical grinding machines

1 June 2021

Supertec Machinery Inc., one of Taiwan's leading machine tool manufacturers, has chosen to base new versions of its renowned Plunge type of CNC cylindrical grinding machines on NUM's Flexium+ CNC platform.

Founded in 1954, Supertec Machinery Inc. has grown to become one of Taiwan's top machine tool manufacturers. The company specialises in precision grinding automation and produces a diverse range of centreless, cylindrical and surface grinding machines. Based in Taichung City, Supertec operates sales and support facilities at strategic locations throughout Asia and Europe, as well as in the USA and South America.

Supertec has traditionally used Fanuc CNC systems for most of its machine tools. However, when NUM added non-circular grinding functionality to its popular NUMgrind cylindrical grinding software back in June 2020, the company realised that this innovative CNC technology provided exactly what many of its customers needed on their cylindrical grinders.

NUMgrind simplifies the creation of G code programs for CNC grinding machines through the use of a highly intuitive graphical human machine interface (HMI), and unlike conventional CAD/CAM workstation tools, it is designed specifically for use by shop floor personnel in a production environment.

After evaluating the software, Supertec immediately raised a purchase contract with NUM. According to Betty Chu, Supertec's Assistant General Manager, "NUM has an excellent reputation in the grinding industry. Much like Supertec, this has been earned over many years. And the latest version of NUMgrind, which accommodates non-circular grinding, is a natural fit for our CNC cylindrical grinding machines. We also now benefit from very responsive local support – NUM's Taiwan facility is less than 15 km away from our factory."

Supertec's Plunge type of CNC cylindrical grinding machines offer a choice of six capacities, covering distances between centres from 500 mm to 2,000 mm. The machines can also accommodate grinding diameters from 300 up to 430 mm (3 sizes), grinding wheel speeds up to 1,390 rpm and workhead spindle speeds from 30 to 350 rpm.

The new versions of these machines are based on NUM's Flexium+ 8 CNC platform and use NUM's high performance MDLUX drives and brushless servo motors for the X, Z and C axes. In addition to the

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NUMgrind HMI, the software that is being supplied by NUM includes the Flexium 3D simulator, which can be used offline or online, and an application-specific profile editor which enables users to import DXF files.

Johnny Wu, General Manager for NUM Taiwan, points out, “The ability to use the Flexium 3D simulator both offline and online provides Supertec’s customers with a distinct advantage. CNC programs can obviously be prepared offline and checked for potential problems such as collisions before being transferred to the machine. But the simulator can also be used online. This enables operators to gain vital visibility of the grinding process – which is normally obscured by the flow of oil.”

The new machines will be introduced to the public at the next opportunity, which will likely be TMTS in 2022 due to Covid-19 restrictions.

Technical background

Non-circular grinding is used in a wide variety of automated manufacturing applications, such as the production of camshafts, crankshafts, cams and eccentric shafts. However, it is an extremely complex task, because the non-circular contour leads to constantly changing engagement and movement conditions between the grinding wheel and the workpiece.

Using the non-circular grinding function of NUMgrind, the closed shape of the workpiece is defined in the XY plane. Grinding is then performed by interpolating or synchronising the X axis with the C axis (workpiece spindle). Axial movement in the Z axis can also be accommodated, by means of oscillation or ‘multi-plunging’. The Flexium+ CNC system’s NCK transforms the contour from the XY plane into an XC plane, and calculates the corresponding compensation and in-feed movements, taking the grinding wheel diameter into account. The speed profile is also transformed, so that the speed and acceleration are automatically adapted to suit the physical attributes of the machine.

Surf Loch leverages Siemens’ Digital Enterprise portfolio to create the perfect wave

26 May 2021

Surf Loch, a California-based company that has been developing wave-making technology since the 1980s, is using software from Siemens’ Xcelerator™ portfolio and automation technology to create wave pools that deliver ocean-quality waves which can be tailored to each individual surfer. By combining the digital and real worlds in a comprehensive digital twin, Surf Loch has been able to master the creation of custom waves through software simulations, before building and testing in a physical facility. This has enabled Surf Loch to deliver waves that match the needs of the surfer and produce them consistently and reliably according to their individual skill level. In addition to its software solutions, Surf Loch leverages other parts of Siemens’ Digital Enterprise portfolio, such as automation and drive technology, to optimize their surf pools.

“When we make a wave, we’re controlling every aspect of how that wave gets formed, to the 1000th of a second,” said Tom Lochtefeld, founder and CEO of Surf Loch. “Working with Siemens gives us the unique ability to connect the real and digital worlds to achieve that level of precision. By embracing this kind of digital mindset, we can provide surfers with 400 waves an hour; in the ocean, the average surfer would be lucky to get five.”

Surf Loch’s vision is to make the sport accessible to anyone anywhere while not compromising on the unique ocean experience. As surfing continues to increase in global popularity, Surf Loch aims to attract and serve more surfers in their pools to reduce the overall human impact on natural beaches.

Surf Loch uses a range of solutions from the Xcelerator portfolio to create different wave variances

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while still ensuring they feel like surfing on the ocean. The team creates a digital twin of the wave, and then uses computational fluid dynamics (CFD) analysis and multidisciplinary optimization to identify all the key set points of the wave generation equipment to produce the desired wave. Surf Loch also uses Teamcenter® software to manage data and documents, and through cloud capabilities can work with partners to revise drawings and design collaboratively. As Surf Loch grows and expands to multiple global sites, including Las Vegas, Cabo San Lucas, Amsterdam and Sydney, it plans to leverage this technology to drive efficiency, optimize energy consumption and leverage predictive maintenance. MindSphere®, the industrial IoT as a service solution from Siemens, enables Surf Loch to measure asset performance and schedule service as well as to monitor and manage assets locally.

Before leveraging Xcelerator, Surf Loch started using Simotion motion control, Sinamics drive technology and the engineering framework TIA Portal from Siemens to reach the needed accuracy of the physical waves in the pool. Together, the solutions create versatile and customizable waves. They allow beginners to learn on a consistent, repeatable waveform, whereas more skilled surfers can choose which waves they want to ride.

Tasmania Digitizes COVID-19 Consumer Vaccination Process with Oracle

30 May 2021

The Tasmanian Government is using the Oracle Health Management System to manage its state-wide COVID-19 vaccination program. Tasmania has already vaccinated approximately 20% of its eligible population. This has been achieved in partnership with General Practitioners, the aged Care Sector and the Department of Health, Tasmania. This system will be critical in supporting the national program and Tasmania's goal of reaching all 541,000 residents in the state.

Through the Health Management System, consumers can book a vaccination appointment online or through the hotline. They then receive a digital Quick Response (QR) code to confirm their identity and speed vaccination check-in. From there, healthcare workers use the system to record the type of vaccination administered and create or update a unique electronic health record for every person vaccinated. The system also reminds consumers to schedule a second dose vaccination, if required.

With all data stored securely in the Oracle Cloud running in Australia data centers, authorized personnel can easily see the percentage of the Tasmanian population that has been fully or partially vaccinated and the types administered to help manage inventory and demand. Consumers will also have their record of vaccination included in the Australian Immunization Register.

“In this complex and fast-moving fight against COVID-19, there is a critical role for data to play, now and in the longer term,” said Cherie Ryan, vice president and regional managing director ANZ, Oracle.

“Oracle created the cloud-based Health Management System specifically for this task. It allows governments and medical facilities to register consumers, schedule appointments, record, and track first and second vaccine doses, send appointment confirmations and reminders, and create a unique digital health record for each person that is securely stored in the Oracle Cloud,” she said.

Since the beginning of the pandemic, Oracle has provided cloud systems to regions around the globe, including the United States and Africa, to fight critical health issues, from COVID-19 to Yellow Fever.

Tasmania is the first state in Australia to utilize the Oracle Health Management System. Access and support for the system is being provided free of charge for the next ten years.

The Oracle Health Management System is powered by Oracle Cloud Infrastructure (OCI), including Exadata Cloud Service and APEX Application Development Service, as well as Oracle Analytics Cloud.

Tresoldi Metalli Chooses Infor for Stainless Management of Business Processes

2 June 2021

Infor, the industry cloud company, announced that Tresoldi Metalli, a leading international metal-cutting service center, has implemented Infor LN, an ERP solution for manufacturing companies, to help improve production planning and control of the company, making the most efficient and effective management through the review of business processes. The project, which also saw the implementation of Infor OS (Operating Services) platform and Infor Factory Track for warehouse management, was entirely managed by Infor partner Know-How.

Founded in 1963 by Giuliano Tresoldi, the service center now has over 120 employees and is proudly led by the sons and grandchildren of the founder. Over the years, a strong artisan soul has been flanked by an industrial drive, which transforms the company into a point of reference for companies in the automotive, air conditioning, refrigeration, electromechanics, household appliances and construction sectors, both in Italy and abroad. Starting from the processing of raw materials and coils, today Tresoldi Metalli offers semi-finished products such as strips and sheets for industry up to construction products such as pipes and gutters in steel, copper and aluminum.

The evolution of Tresoldi Metalli has shown the inadequacy of the company's management system, which had undergone several customizations to follow the growth of the company, making it increasingly difficult to have qualified data. The company needed a standard, international solution, able to improve the visibility of data by structuring the processes and the flow of information, and that was at the same time as integrating with the other applications in use in a modular way. The goal was to achieve full visibility on orders, from insertion to fulfillment, and precisely identify processing times, keeping costs under control.

Following a software selection process, Tresoldi Metalli chose Infor LN, together with Infor OS and Factory Track, for the flexibility and wide functional coverage offered by the solutions.

Infor LN is manufacturing-specific ERP software that offers financial management, quality, service and ordering capabilities, supporting mobility and collaboration between teams. The Infor OS platform contributes to a new user experience by offering features to reinvent the relationship and interaction between employees, suppliers, customers and processes. Finally, Infor Factory Track allows users to connect factory and warehouse processes to the ERP system in real time, to offer greater accuracy and visibility of inventories and labor costs.

The go-live, which took place in September 2020, automated data acquisition made possible through the integration of machinery and other tools.

The advantages of the implementation were immediately evident, especially the usability of the data, which were made available faster and in a more structured way to all operators. Infor LN has also brought about an organizational change among the employees, bringing greater productivity of the plants and optimizing the production of orders. All areas of the business now benefit from more streamlined processes, both operational and, accounting and administration.

A winning aspect of Infor LN is the intuitive personalisation of the graphical interface: each user, can create their own perspective and have all the information they need available quickly and easily. The ease of exporting and importing in Excel and accessing data from the outside were also particularly appreciated.

The Infor LN solution is used by about 30 users who deal with production progress, while there are 25 Factory Track users for warehouse, logistics and shipping management.

CIMdata PLM Industry Summary

Future developments of Tresoldi Metalli include the focus on planning scheduling, with a verticalization on production – each production department will be guided by a precise ruleset, the adoption of a process for the automatic location of lots in the warehouse, and CRM processes for customer management.

"The implementation immediately allowed us to obtain concrete results. Today, we have clean, qualified data and complete and timely visibility on production activities, keeping costs under control. We are optimizing business processes and we plan to speed up and facilitate the activities of our employees in the near future." said Riccardo Tresoldi, Tresoldi Metalli ICT manager.

"We are pleased to support a Made in Italy company such as Tresoldi Metalli. The manufacturing industry is complex. Having reliable and updated data in real time is essential to make better decisions. The integration of our technology, together with Know-How's expertise, will help improve Tresoldi Metalli's business processes and consolidate its position in the market," said Bruno Pagani, Infor country manager for Italy.

"We are honored to support a company like Tresoldi Metalli which, in its path of excellence, has chosen Infor ERP LN and Infor OS for its digital innovation process, a solution that has been able to adapt to the specific business of Tresoldi Metalli," declared Claudio Montanari, CEO of know-How.

World's Leading Geo-Data Specialist Fugro Signs Contract With IFS For Global Financial And Project Management Solution

1 June 2021

Geo-data specialist, Fugro, is fueling a transformation journey to unify its people, processes, and business data with a single enterprise resource planning (ERP) software solution from IFS.

With a 9,000-strong workforce in 61 countries, Fugro collects and analyzes information about the earth and the structures built upon it. The company helps its customers determine the optimal site for the safe, cost-effective, and sustainable design and construction of buildings and infrastructure by acquiring, analyzing and advising on geodata for clients in industries such as offshore and land-based energy, renewables, infrastructure, and nautical engineering.

The investment in IFS is part of a company-wide initiative that is aimed at bringing staff together in one collaborative way of working, on a centralized technological framework. Without a central system and access to one version of its business information, the company was challenged in leveraging efficient and collaborative ways of working, with common processes and effective business and financial reporting. To provide a single, digital home to its business units, the company opted for a flexible solution that could support its project-based business and ensure timely and accurate reporting in one fully integrated solution. The cloud-based IFS solution will support mission-critical processes including financial management, project and business management, project accounting, and purchasing. When fully deployed, the system will be used in some 40 countries worldwide.

"Companies like us, supporting our clients in managing their complex project lifecycles, are often forced to use separate software products to manage different stages of the project, creating multiple disconnects between data, people and time," Fugro Chief Executive Officer Mark Heine said. "The IFS solution will standardize and harmonize our project-oriented processes in one highly intuitive ERP platform. Having all of our people accessing the same data and working in the same way will be faster and more enjoyable for our teams. We look forward to working with IFS to usher in the next phase of our company's business transformation journey."

Frank Beerlage, Managing Director, IFS Benelux, added, "Project-based service providers such as Fugro

need business technology that can scale and flex as business and circumstances dictate. We have a very successful track record in developing tools for companies in some of the world's most demanding environments, both offshore and onshore. Fugro is a well-respected brand in the project-based service space and we are excited to be working alongside them to establish new standards of efficiency and value.”

The solution will be implemented in collaboration with management and technology consultancy, and Platinum-level IFS partner, BearingPoint.

Product News

Autodesk Construction Cloud Global Focus Expands with Workflows that Support ISO 19650

2 June 2021

Autodesk, Inc. announced it has released a new series of workflows for Autodesk Construction Cloud that can help customers comply with ISO 19650, a global design and construction information management standard. These new workflows offer a robust set of tools to define a structured and standardized process for publishing, sharing and storing project information. Global customers using Autodesk Build, Autodesk BIM Collaborate and Collaborate Pro, Autodesk Takeoff and Autodesk Docs can now also choose to primarily store their project data in Europe – a common customer request for projects in the region.

Standardization across the construction industries allows teams to build more efficiently and create stronger collaboration among all project and company stakeholders. ISO 19650 was introduced to ensure firms meet specific requirements, including standard naming conventions often defined by each country and calls for project data be stored and managed in certain ways. The uniformity helps teams streamline processes, become more efficient and create a safer, more secure and more predictable approach to data governance.

“Without a standardized document control process, teams waste countless hours looking for the most up-to-date information,” said Gert-Jan Ditsel, BIM Manager, Dura Vermeer. “A standardized approach is not only a requirement for many projects across Europe, it’s also beneficial for all stakeholders with whom we work – including owners, specialty contractors or architecture and engineering firms. The new workflows in Autodesk Construction Cloud provide us with the tools needed to comply with ISO 19650 standards, help ensure our naming conventions and data stay consistent and ultimately become more collaborative and efficient. Autodesk’s global investments in construction such as by providing us the technology to meet ISO 19650 standards is demonstrative of the company’s commitment to supporting our teams’ needs wherever we’re building.”

New workflows to support ISO 19650

Designed and developed in close collaboration with Autodesk customers, new workflows within Autodesk Construction Cloud empower teams to efficiently configure, organize and distribute documents across the project lifecycle to support ISO 19650 requirements. Specifically, customers can:

- **Preview and enforce naming standards:** teams can now create, manage and enforce naming standards across project files to ensure all file names align with standardizations set forth by the project team. Document controllers can easily get started with a naming standard template to create and enforce the project naming standard.

CIMdata PLM Industry Summary

- **Validate the naming standard:** users can automate file uploads and ensure the files conform with a project's naming standard to help teams comply with ISO 19650.
- **Identify non-conforming files and place them in a Holding Area:** when a mix of files are uploaded to a destination folder, some files may not conform to the enforced naming standard. The Holding Area allows files with conforming names to be uploaded and automatically moves non-conforming files to a Holding Area to continue the validation and upload process.
- **Increase efficiency with integrations:** users are now able to also leverage native naming standard integrations across Revit, AutoCAD and Desktop Connector to enforce standards across project phases.

Regional project data storage in Europe

Autodesk customers using Autodesk Build, Autodesk BIM Collaborate, BIM Collaborate Pro, Autodesk Takeoff and Autodesk Docs can now choose to primarily store their project data in Europe. Both ISO 19650 compliance and data storage proximity are often requested by customers on European projects. By providing customers with the option to primarily store project data in Europe and new workflows targeted at helping companies comply with ISO 19650 measures, Autodesk is empowering construction teams throughout the world to stay competitive during the bidding process.

“The arrival of ISO 19650 means our industry now has a common language to talk about and understand data. We know these standards can be complex to navigate but are critical for construction companies to manage project data intelligently, and meeting regional requirements around data storage give firms an additional competitive edge,” said Ilai Rotbaein, senior director, research and development, Autodesk Construction Solutions. “Providing our customers with workflows that support ISO 19650 standards and primary storage for project data in Europe is another step in our continuous journey to empower companies across the world to build better.”

Autodesk Docs will be available as a standalone subscription

Autodesk also announced today it will be releasing Autodesk Docs as a standalone purchase option within the next several weeks. Autodesk Docs is the centralized data management platform that underpins Autodesk Construction Cloud. Previously, Autodesk Docs was included with any subscription for Autodesk Construction Cloud and the AEC Collection. Teams will then be able to leverage the power of Autodesk's common data environment with Autodesk Docs as a standalone solution to create a single source of truth across the project lifecycle.

BETA CAE Systems announces the release of the v21.1.3 of its software suite

28 May 2021

About this release

Thank you for contributing to bringing our software to its next level of maturity. You deserve the latest of the best. Today, BETA CAE Systems announces the availability of v21.1.3 of its software suite, the new second point release of ANSA/EPILYSIS/META and KOMVOS, incorporating numerous fixes in recently detected issues. Increase the reliability of your simulation work with this latest software release.

License Management for ANSA and META

Focusing on the Command Line arguments, the LM retry option (-lm retry timeout) can now be restricted by user-defined timeout.

The respective flag is followed by the desired timeout in seconds and its minimum acceptable value is 60.

CIMdata PLM Industry Summary

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

Known issues resolved in ANSA

Graphics

ANSA might abort launching when executed via VirtualGL on remote environments.

GUI

ANSA would cease to respond, when loading specific types of .xml files.

Indicatively, such .xml files would contain GUI Settings saved with any list windows (e.g. Properties, Materials) visible, affecting ANSA response even upon initial launch.

Database Browser

Unexpected termination could occur upon deletion of solid elements when deleted directly (e.g. through the Database Browser list of solids) or indirectly (e.g. through the deletion of other containers like includes or Model Containers).

Shell Mesh

Unexpected termination could occur when projecting points to open holes via Project [Holes].

Pasting nodes that lie on boundary of volumes in light volume representation mode via Grids > Paste [Auto] function would lead to erased volumes.

Laminates

Laminate Convert would occasionally lead to unexpected termination.

Optimization Tool

Unexpected termination could occur when Cross Sections were morphed and recalculated during a DOE run, or when Simulate was used and the Design Variables modified cross section thickness and shape.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

Known issues resolved in EPILYSIS

NVH

DMIG coupling generation weighing factors would not be correct when the coupled Fluid and Structure surfaces were parallel.

SOL200

Topometry optimization would stop in first cycle, when a PCOMP property was used.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

Known issues resolved in META

General

Certain settings in "Fraction Plot Options" of FRF Assembly might not be initialized correctly after Ctrl+N.

Certain settings in Modal / FRF Correlation Tool would not reset to their default values with Ctrl+N.

"Output in Unv58" settings under Modal Response would not be restored correctly.

CIMdata PLM Industry Summary

Read Results

PAM-CRASH MTOJNT elements, as well as PERMAS EKinMASS scalar results, were not read correctly. Marc Element Type 84 was not read at all, whereas unexpected termination could occur when reading Marc Logarithmic Stress results.

NASTRAN

When multiple META sessions were using femzip NASTRAN models to read results simultaneously, META could become unresponsive. In addition, unexpected termination could occur when coordinates systems were defined with mixed single and double precision.

States & Animation

Unexpected termination would occur when Time was shown on the Animation Bar and the selected States Method was Interpolate.

Identification of Entities & Data

Parts identify function failed to exclusively identify the picked part in the GL area and, consequently, indicate it in the list.

Math Operations on Field Data

Unexpected termination could occur when reading scalar nodal results in Fourier Transformation for Abaqus.

NVH Calculators

FRF Assembly: When modal participations were requested for a single component, with no connections, the calculated results would be zero.

Modal Response: If the method without large masses was used to calculate enforced motion for ASCII modal models, the enforced motion displacement at the excitation points was calculated as zero.

Project Files & METADB

Unexpected termination could occur when reading element thickness.

File Export

Unexpected termination could occur while exporting a video with animating cycles.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

Known issues resolved in KOMVOS

GUI

Thanks to the "Compare Containers" option, available under the Context Menu when selecting Parts, the properties and attributes of multiple Parts can be successfully compared.

DM Schema Editor

Clicking OK in the "Accepted Values Editor" window would lead to unexpected termination.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

New Documentation in ANSA

Tutorials

Modular Model and Run Management

- Modular set-up of a static simulation for EPILYSIS
- Modular set-up of a crash simulation for LS-DYNA

Compatibility and Supported Platforms

ANSA files saved by all the first and second point releases of a major version are compatible to each other. New major versions can read files saved by previous ones but not vice versa.

META Project files saved from version 21.1.3 are compatible and can be opened by META version 16.0.0 or later. To be readable by META versions earlier than v16.0.0, they have to be saved selecting the option "Version 16.0.0" or "Version <16.0.0".

Support for Mac OS has been discontinued.

Support for 32-bit platform has been discontinued for all operating systems.

Free Field Technologies and Autoneum collaborate to help OEMs accelerate the acoustic design of vehicles

2 June 2021

Free Field Technologies (FFT), part of Hexagon's Manufacturing Intelligence division, and automotive supplier Autoneum, the global market and technology leader in acoustic and thermal management, have combined their respective strengths in acoustic simulation and vehicle noise insulation to develop a new computer-aided engineering (CAE) solution that helps automotive manufacturers design quiet and comfortable vehicles without adding unnecessary weight.

As the industry pivots to electric vehicle development, the mitigation of noise and vibration is a complex challenge that's increasingly critical as the number of vehicle models proliferate. In the absence of internal combustion engine noise, the relative silence of the electric car accentuates the sounds emitted by the motor and caused by the vibration of structural components. The application of high-performance acoustic treatments is essential to the comfort of passengers and the perceived quality of the vehicle, but designers require precise information to determine where materials should be applied to achieve optimal results without adding unnecessary weight or cost.

Accurate prediction of acoustic performance significantly reduces the time that engineers invest in design. By applying the combined acoustic and simulation expertise of Autoneum and FFT, the companies will democratize their detailed knowledge of the acoustic behaviour for specific treatments, so that engineers can quickly respond to the needs of a rapidly evolving industry. "From the whine of the electric motor and vibration in the powertrain to noise from heating and air-conditioning units, wind resistance, and tyres, there are multiple variables that make acoustic design a complex challenge to solve. Hexagon offers market-leading solutions that help identify noise sources and mitigate their harshness. Our collaboration with Autoneum will provide new tools to industry engineers helping them in the creation of efficient designs and the best possible driving experiences for their customers," said Diego Copiello, Product Manager, FFT.

The accelerated development of electric vehicles places enormous pressure on automotive OEMs to find optimal acoustic treatments and explore new sustainable materials as early as possible using effective CAE solutions to explore Noise Vibration and Harshness (NVH). Davide Caprioli, Head of Acoustic and Thermal Management at Autoneum, added: "Autoneum's simulation tools for vehicle acoustics are already being used successfully by manufacturers and suppliers worldwide. By working with FFT and integrating our know-how into the Actran software, our methodology will now be even more widely and readily available, thus making it the global standard in NVH."

CIMdata PLM Industry Summary

The new solutions developed by FFT and Autoneum will help automotive manufacturers simulate the performance of acoustic insulation materials to dampen noise, lightweight design, and offer a more comfortable passenger experience. By harnessing Autoneum's extensive knowledge in designing tailored sound packages based on validated simulation methods, it extends the capabilities of the industry-leading Actran acoustic and vibro-acoustic modelling software to provide more actionable information and compress design cycles.

In recent years, Autoneum and FFT have demonstrated their expertise in the development of innovative and sustainable methods in vehicle acoustics in numerous joint scientific papers. Thanks to their new partnership, going forward the two companies will also exploit these synergies to further optimise and standardise processes and workflows for acoustic design, the improvement of the design and modelling of NVH insulation materials as well as the exchange of data between manufacturers and suppliers.

Graitec releases version 2022 of Advance Design

1 June 2021

Advance Design 2022, the leading structural analysis software, is enhanced with lots of new functionalities with high benefits for the end-user, and is articulated around several main subjects:

- **Crane moving loads** automatic generation considering single or multiple cranes.
- **Extended FEM capabilities** with a new Link on node, performance point calculation for pushover analysis according to EN1998 and ATC40.
- **Cold Formed Sections design** according to the EN1993-1-3 and EN1993-1-5 with detailed reports.
- **Reinforced Concrete Slabs design module**, including the strip design method and generating automatic 3D rebar distributions and reinforcement drawings.
- **New synchronization mechanism** to streamline your BIM workflows with Autodesk platforms (Revit and Advance Steel).
- Dozens of miscellaneous features considering our **user's requests** worldwide to improve efficiency on daily use.

Connect to the Advance Design website and follow us on LinkedIn to know more about this new release!

Joseph PAIS, Graitec Product Director comments: *"For over 30 years, GRAITEC has continuously strived to provide user-centric innovative solutions to its valued customers and this new Advance Design 2022 release is no exception with major improvements for all structural engineers whatever the projects they are doing: crane moving loads generation, extended pushover analysis, new module for designing and detailing RC slabs, 00's of new features to speed up the daily use of Advance Design... We are proud of this new release proving that as always, we still are providing top-level AEC software solutions worldwide. Thank you for being part of our community and enjoy this new release 2022!"*

Graitec Releases Version 2022 of Advance PowerPack

1 June 2021

GRAITEC, an international software developer for AEC, is delighted to announce that Advance PowerPack 2022 has been released. Advance PowerPack is a set of user-centric daily tools that enhances your productivity when using Autodesk solutions such as Autodesk Revit and Autodesk Advance Steel. Extend your BIM workflows with the Advance PowerPack from Graitec!

CIMdata PLM Industry Summary

With **Advance Powerpack 2022**, Gritec delivers to Autodesk users highly valuable tools to increase their productivity and efficiency when using Advance Steel® or Revit® with 00's of new features in different areas:

- Place dimensions in Revit® faster than you have ever dreamed about with the new **quick dimension tool** from the Advance PowerPack for Revit®: just draw a line and the tool places a dimension considering all intersected objects.
- Many new Rebar modelling and detailing tools inside the Advance PowerPack for Revit: rebar constrains improvements, new views and drawings creation mechanism, RC Slabs grouping, filter by partition to browse the bars, 00's of improvements in the design modules...
- A new synchronization mechanism to exchange and synchronize models and engineering data between Revit®, Advance Steel® and Advance Design®.
- Several improvements in Advance PowerPack for Advance Steel regarding the Stairs & Railings which will give users the possibility to control how the railing assemblies and subassemblies are built: connections for panels – fixing lugs, specific weld connections and many other improvements.
- Tens of miscellaneous features considering our **user's requests** worldwide to improve efficiency on the daily use.

Connect to the Advance PowerPack web page and follow us on LinkedIn to know more about this new release!

For inquiries please contact your nearest Gritec office.

Joseph PAIS, Gritec Product Director comments: *“For more than 30 years, GRAITEC has continuously strived to provide user-centric innovative solutions to its valued customers and this new Advance PowerPack 2022 release is no exception with major improvements for all Autodesk Revit® and Autodesk Advance Steel® users whatever the projects they are doing: automatic dimension tools, new powerful views and drawings generator, improvements on our link to Excel, Stairs and Railings extended capabilities, new synchronization mechanism, 00's of new features to speed up the daily use of your Autodesk application... The PowerPack is really the must-to-have addon for your Autodesk AEC collections! Thank you for being part of our community and enjoy the new 2022 release!”*

Gritec releases version 2022 of Advance Workshop

1 June 2021

GRAITEC, a truly international software developer for AEC, is delighted to announce that Advance Workshop 2022 has been released. Advance Workshop is purpose-built Fabrication Management Information System to give steel and rebar fabricators complete control over every stage of production: stock management, traceability, labour, and CNC processes to increase efficiency and reduce costs - ultimately optimizing your total business performance with Advance Workshop!

Advance Workshop 2022 comes with a key innovation: having merged our historic Advance Workshop product focussed on Steel workshop management with the Arma+ technology acquired by Gritec in July 2018. This technology was focussed on managing rebar and prefabricated concrete workshop. So Advance Workshop 2022 is now a unified product addressing steel, rebar or prefabrication workshops and factories.

Top new functionalities:

CIMdata PLM Industry Summary

- **RebarScan** to automatize the input and analysis process within the same drawing interface, AutoCAD, to be able to analyse, detail and review the customer order at the same work environment.
- **FastRebar** as a detailing complement to your clients.
- **New sequence schedule.** The vision of internal vs. subcontracted production is given. It is possible to filter the view by period, customer, construction site...
- **Goods returns record with invoiced and consolidated deliveries.** It is possible to record partial or full goods returns to create several returns par packing slip.
- Process **DSTV Steel Construction files from TEKLA** models with hierarchy for import processes.
- **Assisted assignment of production machines,** allows you to quickly switch your production items to other workstations while controlling the feasibility and impact on the **steel workshop** load.
- The new **BIM Manager** ensures the continuity of information from the engineering office to the **precast factory** by exchanging IFC files to facilitate production.

Hexagon introduces HxGN Mass Transit to improve public transportation operations

1 June 2021

Hexagon's Safety, Infrastructure & Geospatial division introduced HxGN Mass Transit, a geospatial transportation infrastructure management system with 3D and AI capabilities for visualizing and analyzing transit and rail assets and operations. HxGN Mass Transit serves as a single source of truth for infrastructure data, enabling rail-bound and transit operators to easily inspect, validate and share information on the fly.

HxGN Mass Transit combines asset and spatial data from various business systems into an integrated system, allowing operators to visualize and analyze their entire network and services. Additionally, it reduces data duplication, provides access to accurate and up-to-date information and delivers greater efficiency for managing data, workflows and transit networks and operations.

HxGN Mass Transit is already delivering benefits to public transportation organizations.

“Every day, we transport more than 900,000 passengers around Zurich on our 510-kilometer network with 75 tram and bus lines,” said Daniel Steger, head of electrical infrastructure, Zurich Public Transport. “Maintaining our infrastructure is vital. HxGN Mass Transit will allow us to monitor rail tracks, overhead cables and the condition of bus stops to ensure we keep the citizens and visitors of Zurich moving.”

“HxGN Mass Transit is an essential tool for managing our assets,” said Dominik Rabenau, head of data management at VGF Frankfurt's infrastructure division. “The mobile application provides easy monitoring and the ability to update information of our timetable displays located at all stations, platforms and stops.”

Typically, transportation agencies must rely on different data sources spread across multiple systems, departments and formats. This prohibits the ability to view data in real-time, making it difficult to gain a holistic view of asset conditions and coordinate maintenance.

Built on top of Hexagon's M.App Enterprise, HxGN Mass Transit overcomes these challenges. It goes beyond a simple map, providing an advanced digital twin of a city's entire public transportation network

– from track, stops and switches to construction sites, ticket machines, benches and garbage cans. It offers capabilities and workflows for supervisors, analysts, asset and operations teams and others.

“Urban population growth, increasing demand for mobility options and a greater focus on sustainability have driven interest and investment in public transportation,” said Steven Cost, president, Hexagon’s Safety, Infrastructure & Geospatial division. “By improving the ability to visualize and understand networks in real-time, HxGN Mass Transit provides a solution to the global demand for more efficient and effective public transportation.”

HxGN Mass Transit is available worldwide now. To see a demo of HxGN Mass Transit and learn best practices for managing data, workflows and transit networks, attend the session “Driving Smart, Real-time Data Through Public Transit Systems” at the HxGN LIVE Resiliency Series, a free virtual event focused on helping critical service providers achieve greater resiliency in operations.

Hexagon reduces blisk measurement cycle time with production-ready solution

2 June 2021

Hexagon’s Manufacturing Intelligence division has launched a new Leitz Reference HP HTA blisk solution, enabling aerospace manufacturers to reduce blisk inspection times by as much as 50 percent.

By bringing together the Leitz Reference CMM, the HP-O non-contact interferometric laser sensor and specialised Bladed Rotors Measurement software in a single solution, Hexagon enables manufacturers to significantly cut the time it takes to develop and execute blisk measurement routines.

Ryan Toole, North American Product Manager for Automated Measurement Systems says: “Hexagon’s new Leitz Reference HP HTA solution for blisks overcomes the obstacles that have traditionally made complex blisk inspection a slow, painstaking task. Now aerospace manufacturers can increase productivity by creating and running an optimised blisk measurement routine in hours, when before it typically took days or even weeks.”

Blinks have complex geometries that make them difficult and time-consuming to inspect. The Leitz Reference HP HTA solution works with Hexagon’s HP-O non-contact interferometric laser sensor and Bladed Rotors Measurement software to deliver precise inspection data with market-leading speed and flexibility. Hexagon’s Bladed Rotors Measurement software uses a combination of parametric techniques, automated path planning for airfoil measurement and collision avoidance to reduce measurement routine creation time by as much as 70%, while also facilitating measurement execution.

Other advantages of the system include the ability to automatically adjust scanning speeds depending on the complexity and importance of the area being measured.

The Leitz Reference HP HTA solution for blisks is available now in Europe and North America.

OpenBOM - What’s New May 30th, 2021 Update

30 May 2021

OpenBOM published a blog post detailing many of the software improvements and updates that are being released for their products. Please read their post for more.

<https://www.openbom.com/blog/whats-new-may-30th-2021-update>

Siemens announces EDA milestones and tool certifications for TSMC's latest process technologies

1 June 2021

At the TSMC 2021 Online Technology Symposium, Siemens Digital Industries Software announced that its Calibre® nmPlatform tools and Analog FastSPICE™ platform are now both qualified for TSMC's advanced N3 and N4 processes.

“As a long-standing ecosystem partner of TSMC, Siemens continues to demonstrate excellence in design enablement with certified EDA tools on our latest process technologies,” said Suk Lee, vice president of the Design Infrastructure Management Division at TSMC. “We look forward to our continued partnership with Siemens to help our mutual customers achieve silicon success and meet increasingly stringent power and performance market requirements.”

Now certified for TSMC's N3 and N4 processes, Siemens' Analog FastSPICE platform provides leading-edge verification for nanometer analog, radio frequency (RF), mixed-signal, memory, and custom digital circuits.

In addition, multiple tools from Siemens' Calibre nmPlatform recently achieved certifications for TSMC N3 process, including Calibre® nmDRC software, Calibre SmartFill, Calibre® PERC software, Calibre xACT and Calibre® nmLVS software. Siemens also achieved certification for TSMC N4 process for Calibre® nmDRC software, Calibre SmartFill, Calibre® PERC software, and Calibre® nmLVS software.

“Siemens has consistently partnered with TSMC at the earliest stages of each new technology node, enabling the foundry to deliver out-of-the-box, high-performing and accurate decks for our mutual customers,” said Joe Sawicki, executive vice president, IC / EDA for Siemens Digital Industries Software. “Siemens is a proud, longtime partner with TSMC, and for our mutual customers this translates to state-of-the-art performance and power efficiency.”

Siemens launches PCI Express 6.0 Questa Verification IP solution

26 May 2021

Siemens Digital Industries Software today announced that its simulator-independent Questa™ Verification IP (QVIP) solution now supports PCI Express® 6.0, which is the newest version of the ubiquitous networking protocol that facilitates the rapid transfer of data between the world's highest performance cloud computing servers, as well as billions of smart connected devices around the world.

For customers looking to adopt the new PCI Express (PCIe) Gen 6 protocol into their next-generation designs, QVIP integrates seamlessly into all advanced verification environments on any simulator. QVIP helps establish maximum productivity and flexibility for the verification of block level, subsystem, and SoC designs, leveraging a consistent and easy-to-use UVM architecture across all protocols.

“Innovative customers looking to gain a first-mover advantage by adopting the early versions of PCIe Gen 6 need a reliable and comprehensive verification IP platform to validate their designs,” said Stephane Hauradou, chief technology officer for PLDA, a leading high-speed interconnect IP firm. “With its long heritage of leadership in PCIe VIP, Questa VIP delivers an ideal environment for developing next-generation designs that help our customers differentiate and win in highly competitive markets.”

Engineered to expedite verification closure and expose complex design issues, Siemens' QVIP solution supports detailed functional verification across all layers of the PCI Express 6.0 specification. The

offering includes ready-to-use verification components and exhaustive stimuli that increase productivity and accelerate verification signoff. In addition, QVIP eliminates design biases found in competing solutions.

“Siemens has a long and successful track record of supporting the PCIe standard as it has matured and progressed,” said Ravi Subramanian, Ph.D., senior vice president, IC Verification, Siemens Digital Industries Software. “Available now for early adopters of PCIe 6.0, the newest Siemens Questa VIP solution for PCIe provides a proven, robust and exhaustive verification platform that allows our customers to validate their next-generation designs with speed and confidence.”

Synopsys DesignWare PVT Subsystem Drives Performance, Power and Silicon Lifecycle Management on TSMC's N3 Process Technology

27 May 2021

Synopsys, Inc. announced the availability of its DesignWare® process, voltage and temperature (PVT) monitoring and sensing subsystem IP on TSMC's industry-leading N3 process technology. The PVT monitoring and sensing subsystem IP has been added to the TSMC9000 Program, TSMC library and IP quality management program, offering customers a highly competitive performance advantage for a wide variety of target market applications including artificial intelligence (AI), data center, high-performance computing (HPC), consumer and 5G. SoC designers targeting TSMC's most advanced process can utilize the deeply embedded PVT monitoring and sensing subsystem technology to assess key chip parameters during production as well as for measurement and analysis of real-time dynamic conditions during every stage of the device life cycle.

In-chip sensing from Moortec, which is now a part of Synopsys, continues to be an essential element to achieve the highest levels of performance and reliability within today's advanced process technologies, underpinning optimization schemes, telemetry, and analytics. The IP within the subsystem is a foundational element of Synopsys' Silicon Lifecycle Management (SLM) platform. The SLM process begins with the placement of the in-chip sensors and PVT monitors deep within the chip. The data they provide facilitates a greater understanding of chip performance and power activity and enables the SLM platform's analytics engines to drive more detailed and precise optimizations at each stage of the semiconductor lifecycle, from the early design phase, through in-field mission mode operation.

"TSMC continues to work with our ecosystem partners to address customers' design challenges in power and performance and enable next-generation silicon innovation with design solutions using TSMC's latest technologies," said Suk Lee, vice president of the Design Infrastructure Management Division at TSMC. "The new Synopsys DesignWare PVT monitoring IP is a demonstration of the value of our ongoing collaboration with Synopsys and will allow continued product support for our mutual customers as they benefit from the power and performance advantages of TSMC's N3 process technology."

The innovative, modular design of the DesignWare PVT subsystem offers a fabric of PVT monitors that are highly configurable based on the target application. This latest solution for TSMC N3 process technology includes a distributed thermal sensor enabling highly localized thermal analysis, a new catastrophic trip sensor for programmable protection against thermal runaway and an additional thermal diode providing an independent measure of die temperature even when the chip is powered off. The whole system is controlled by a fourth-generation PVT controller which allows easy access to data from multiple instantiations of the individual embedded monitors and sensors.

"Driven by the demand for ever-increasing design complexity and device gate density, the adoption of PVT monitoring is now critical to successful advanced node chip design," said Amit Sanghani, vice

president of Hardware Analytics and Test Group at Synopsys. "The full suite of DesignWare embedded PVT monitors and sensors, part of Synopsys' innovative new Silicon Lifecycle Management Platform, will offer the design community innovative in-chip sensing technologies, real-time deep chip insights, and enhanced product utilization throughout the silicon lifecycle."

The DesignWare PVT monitoring and sensing subsystem can be configured to specific sector applications and is now available for early customer integration.

Trimble Expands its Geospatial Automated Monitoring Portfolio with Worldsensing Geotechnical IoT Solutions

3 June 2021

Trimble announced the addition of a geotechnical portfolio to its geospatial automated monitoring portfolio through a collaboration with Worldsensing, a wireless connectivity technology provider and an industry-leading manufacturer of geotechnical IoT monitoring systems. The collaboration enables survey, geotechnical and structural engineers to seamlessly expand their monitoring business opportunities with a comprehensive solution that incorporates geotechnical and geospatial data.

Data from a variety of geotechnical and geospatial sensors—from tiltmeters, piezometers and crack gauges to GNSS receivers and total stations—combined with wireless communication and robust software create powerful monitoring solutions. This provides unparalleled movement analysis to monitor transportation infrastructure, buildings, structures, dams, mines as well as landslides and natural hazards.

The Trimble-branded geotechnical product line, powered by Worldsensing, provides a fully automated wireless monitoring solution that helps minimize field visits and increases safety by reducing the need to obtain manual readouts. The automated measurements generate real-time notifications and reporting through the new Trimble® 4D Control™ software (T4D) Geotechnical Edition software, which enables users to streamline monitoring system deployment as well as simplify the connection to geotechnical sensors.

The Trimble geotechnical portfolio includes:

- **Wireless geotechnical sensors:** Tiltmeter and laser-tilt sensors, providing tilt and distance measurement readings directly to the gateway
- **Wireless data loggers:** Vibrating wire, and digital and analog data loggers, supporting connections with a wide range of geotechnical digital and analog sensors communicating information to the gateway
- **Gateway:** Rugged Long Range (LoRA) radio and 4G gateway, enabling communication with the wireless geotechnical sensors and data loggers to connect the project site with the office through a cellular or local network
- **Configuration software:** A mobile application for data logger configuration and a web user interface for network and device management connected to the office via T4D software
- **Accessories:** Installation accessories for a variety of mounting and configuration environments

By expanding Trimble's geospatial portfolio to include geotechnical IoT solutions, monitoring professionals can have access to both product lines from a single provider. This provides the flexibility to choose the optimal system to comprehensively monitor construction projects, mine, dam sites and other critical assets with the T4D software.

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"Our monitoring customers work with geotechnical sensors to automate movement detection for critical infrastructure and mining projects on a daily basis," said Boris Skopljak, marketing director of Monitoring and Tunneling for Trimble Geospatial. "Through our collaboration with Worldsensing, we are making it easier for them to access the full range of geospatial and geotechnical solutions from a single source, resulting in faster and easier deployment and the opportunity to address a wider range of projects."

"Thanks to this collaboration, service providers can work with a powerful combination of geospatial and geotechnical IoT-based monitoring technologies," said Matthieu Laville, director of Sales at Worldsensing. "They can now merge geospatial and geotechnical tools to easily collect and access sensitive and reliable data to automate their operational tasks, reduce technical complexity and diminish risks across mining, construction and rail projects."

Availability

The solution is expected to be available through Trimble's global Geospatial distribution channel in July 2021 via dedicated monitoring professionals, providing local sales, installation, training and technical support.

Uptake Fusion for Ignition by Inductive Automation Now Available on Microsoft Azure Marketplace

2 June 2021

Uptake, the leader in Industrial AI and Analytics, announced the availability of Uptake Fusion Cloud Datastore for Ignition by Inductive Automation on the Microsoft Azure Marketplace. In just three minutes, operators in process-intensive industries like chemicals, oil and gas, renewables, manufacturing, and mining can purchase Uptake Fusion from the Marketplace and install it directly into their enterprise tenant in Azure. At a minimum of 20,000 events per second throughput, users are able to transfer their OT data in Ignition to Azure for greater enterprise access and usability.

"Better business decisions that optimize costs, mitigate risks, and enhance revenue assurance all begin with the elevation of high-fidelity operational data to the cloud," said Dr. Dave Shook, Chief Data Officer at Uptake. "With Uptake Fusion, companies can now cost-effectively scale the development of context-rich advanced applications across their organization. That way, individual decision-makers have the frontline intelligence they need, whether that is operational monitoring, reporting, or planning."

Uptake Fusion establishes a connector with Ignition — and any SCADA or control system, historian, or IIoT sensor. Then organizing that time-series, sensor, and metadata, and retaining co-existing data models, Uptake Fusion transports OT data to Azure for long-term storage. Once in the enterprise tenant, internal and third-party consumers have access to the data with an open format for visualization, analytics, and orchestration, allowing them to use Microsoft Power BI, PowerApps, and Azure Time Series Insights or their preferred tools to derive data insights. An offline datastore secures the stream against loss, with built-in recovery features.

In addition, Uptake Fusion reduces the number of connections between data collection systems like Ignition and the SaaS platforms operators already have in place, protecting critical underlying plant systems from cyber-threats. The consolidation of high volumes of data in Azure permits SCADA systems and historians to perform as originally intended for plant staff, securely scaling the demand for data by different internal and SaaS consumers.

"The out-of-the-box collection and cross-platform compatibility that Ignition users know and leverage on a day-to-day basis are extended to the cloud by Uptake Fusion," shared Don Pearson, Chief Strategy

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Officer at Inductive Automation. “This integration empowers Ignition users with the data-centric, cost-effective approach to industrial intelligence for rapid use across their organizations.”

Uptake Fusion also expedites the deployment of applications such as intelligent events, process optimization, forecasting, and AI/ML predictive analytics, including through Uptake’s portfolio of advanced analytics. Industrial companies and Ignition users like Ensign Drilling, a global leader in well drilling and services, are using Uptake Fusion to increase productivity and uncover more value from operational data. Currently, Ensign is leveraging the Uptake solution to strengthen the deployment of ML models for data classification.

“Uptake Fusion supplemented our on-premise historian in a secure and reliable manner,” shared Sean Halloran, VP of Wellsite Technology at Ensign. “The Uptake solution has improved our access to data and enabled better and faster decision-making across business units, accelerating Ensign’s digital transformation.”

This announcement comes as Uptake recently announced the availability of Uptake Fusion for OSIsoft PI users, as well as its partnership with Wipro, a leading global information technology, consulting, and business process company. Uptake also recently acquired ShookIOT, a leader in cloud-native data integration and integrity, strengthening its capabilities to accelerate digital transformation for asset-intensive companies.