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Acquisitions

Accenture Acquires Advocate, Expanding Technology Business Management Capabilities

6 June 2022

Accenture has acquired Advocate Networks, LLC, a leading technology consultancy and managed services provider of Technology Business Management (TBM) solutions that help organizations create business value, achieve cost savings and modernize their technology platforms. Terms of the transaction were not disclosed.

Headquartered in Norcross, Georgia, Advocate's team of more than 85 professionals is joining Accenture's Technology Strategy & Advisory practice, bringing capabilities for helping clients define, architect and measure value from their digital and cloud transformations. Advocate has deep technology expertise and a full suite of services that help organizations align technology investments with business goals and uncover savings to reinvest in initiatives that drive growth and transformation.

"Organizations expect their technology investments to fuel innovation and transform business operations and are increasingly adopting TBM principles to optimize spend and deliver and demonstrate immediate strategic business value," said Keith Boone, Accenture's North America Technology Strategy & Advisory lead. "With the powerful combination of Accenture and Advocate, we will offer a multitude of industry-leading resources and capabilities to help our clients measure the value of technology initiatives in a clear, quantifiable manner."

Advocate's full suite of TBM services, from strategic advisory to TBM-as-a-service (TBMaaS), complement Accenture's cloud and digital transformation services and end-to-end capabilities for TBM and FinOps. Advocate also brings accelerators for industry-leading tools and dashboards for IT value management and services that will enhance insights provided by Accenture's proprietary assets, such as Accenture Momentum, myConcerto, myDiagnostic and myNav, with additional TBM analytics.

"For more than two decades, Advocate's enterprise clients have relied on our dedicated team of TBM advisors, industry thought leaders and technology specialists to improve efficiency and uncover savings for new investments," said Tim Wise, co-founder and co-CEO of Advocate. "We share Accenture Technology Strategy & Advisory's purpose for helping clients architect and realize exceptional business value from technology and are excited to bring our combined capabilities to both new and existing customers."

Accenture's Technology Strategy & Advisory practice works with clients to define their technology visions and build the necessary roadmaps and execution plans to create sustainable value from technology investments.

Altair Expands Design Technology for Additive Manufacturing with Acquisition of Gen3D

6 June 2022

Altair, a global leader in computational science and artificial intelligence (AI), acquired Gen3D, a startup out of the University of Bath, U.K. Gen3D is a pioneer implementing the implicit geometry method for describing highly complex geometries such as lattice structures in additive manufacturing (AM).

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Gen3D's technology uses next-generation implicit modeling techniques to rapidly create complex geometry not practical with traditional boundary representation (BREP) solid approaches. This allows for components to be designed simply by specifying the functional requirements for the part (loads, holes for fastenings, keep-out zones, ducts for fluid flow etc). Additionally, the technology automatically filters out component geometries that are likely to cause downstream manufacturing issues.

Gen3D's generative design tool empowers engineers to rapidly create complex designs while minimizing the risk of in-print failures. It is used by design engineers for applications such as energy absorption, heat transfer, filtration, and others across industries such as aerospace, automotive, manufacturing, medical and energy.

"In addition to a powerful technology that helps organizations navigate the challenges of design for additive manufacturing, the Gen3D team brings deep industry knowledge and experience in advanced additive design techniques such as generative design, topology optimization, and lattice structure generation," said James R. Scapa, founder and chief executive officer, Altair.

The technology will be integrated into Altair Inspire, an intuitive and powerful family of software products that enables simulation-driven design throughout the entire product development lifecycle, from concept to reality. When used early in the design process, the Inspire technology empowers the creation of designs that are focused on both performance and manufacturability and empowers its users to explore, develop, and manufacture high-performance products in a single intuitive development environment.

Company News

3D Systems Announces Appointment of The Honorable David J. Shulkin, MD to its Medical Advisory Board

7 June 2022

3D Systems announced the appointment of David J. Shulkin, MD, former United States Secretary of Veterans Affairs, to the company's recently established Medical Advisory Board (MAB). The primary mission of the MAB is to provide strategic input, guidance, and recommendations for the company's expanding efforts in regenerative medicine.

As one of the country's most highly respected experts in health care management, Secretary Shulkin is widely recognized as a visionary leader for patient-centered care. His passion and expertise led to his early appointment as the first Chief Medical Officer for the University of Pennsylvania Health System, and later as President and CEO of Beth Israel Medical Center in New York.

As a testament to his leadership and vision, in 2015 Dr. Shulkin was appointed by President Barack Obama to serve as Undersecretary of Veterans Affairs for Health in the United States Department for Veterans Affairs (VA). Recognizing Dr. Shulkin's leadership capabilities, in 2017 he was nominated by President Donald Trump to become the ninth United States Secretary of Veterans Affairs. He was confirmed by the Senate 100-0, becoming the most senior Government official to serve under both Presidents Obama and Trump. During his tenure, Secretary Shulkin worked to transform and modernize the VA healthcare system, the Government's second-largest organization with over 350,000 employees and 1,700 facilities nationwide. Since leaving the VA, Secretary Shulkin has continued his distinguished career as a leading spokesman for patient-centered care and the continued transformation of health care to increase quality and accessibility to all in need. He is the author of three books, and the recipient of

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numerous career achievement awards, including his being named as one of the 100 Most Influential Leaders in Healthcare by *Modern Healthcare*.

Commenting on Dr. Shulkin's appointment, Dr. Jeffrey Graves, president and CEO of 3D Systems stated, "We are extremely pleased with Secretary Shulkin's willingness to join our newly formed Medical Advisory Board. His vast experience and expertise will be highly valuable in helping guide our efforts, not only in the rapidly emerging field of regenerative medicine but also as we continue to expand our existing Healthcare Solutions business, which is focused primarily on dental and orthopedic applications for 3D printing."

In recognition of his appointment, Secretary Shulkin commented, "3D Systems is an acknowledged leader in the application of 3D printing technology to address some of the most challenging areas of medicine today. The ability their technology offers for mass customization of patient-specific solutions, ranging from orthopedic indications to the emerging field of regenerative medicine, is truly exceptional. I am honored and excited to be an advisor to the company as they continue to advance in all of these arenas."

Accenture Opens Advanced Technology Center in Indore, India

8 June 2022

Accenture opened its newest Advanced Technology Centers in India (ATCI) located in Indore, Madhya Pradesh. The new facility represents further expansion of the company's global delivery network and will focus on developing and delivering a wide range of cross-industry technology solutions to help drive digital transformation and innovation for clients.

"We are thrilled to have a stronger presence in Indore. Our market leading people policies, large investments in learning and development, and the boundaryless opportunities we offer across deep technology areas and industry domains, will open up new avenues for local talent and support our people looking for greater location flexibility," said Mahesh Zurale, senior managing director, lead – Advanced Technology Centers in India, Accenture.

Accenture is currently recruiting for roles across digital, cloud, data analytics, artificial intelligence (AI), extended reality / metaverse and platforms. Interested applicants can log onto careers.accenture.com to apply.

Accenture is a leading talent brand in India and recognized among the top employers in the country by various employer rankings. The company is widely recognized for its long-standing commitment to building a culture of equality and is among the first companies globally to set a goal of achieving a gender balanced workforce by 2025. In India currently, approximately 47% of the workforce comprise women, with approximately 26% serving in leadership roles.

Indore joins Mumbai, Bangalore, Chennai, Hyderabad, Pune, Kolkata, and Delhi among the cities where Accenture's Advanced Technology Centers are located.

Altair Names Symetri Channel Partner for the Nordic Region

9 June 2022

Altair, a global leader in computational science and artificial intelligence (AI), announced that Symetri has joined Altair's growing channel partner network. Symetri will offer all of Altair's simulation solutions to its customers in the Nordic region. Symetri has more than 200,000 users and offers solutions and guidance in areas like 3D modeling, simulation, product lifecycle management (PLM), and building

information modeling (BIM).

“We’re very excited to add Symetri to our channel partner community in the Nordic Region,” said Joakim Lindholm, managing director of Nordics, Altair. “We’re confident that Symetri’s experience, manpower, and expertise will help Altair solutions and technologies continue to grow in today’s fast-paced market.”

“At Symetri, we are very pleased to be able to offer our customers Altair’s first-class simulation solutions and services,” said Andreas Näsman, sales manager, Symetri MFG Sweden. “We believe the collaboration with Altair will strengthen our customers' competitiveness in the future.”

Symetri has offices in Denmark, Finland, Norway, Sweden, Ireland, the United Kingdom, and the United States.

Atos and IBM support European financial enterprises and institutions to build trust in the cloud and comply with EU regulations

7 June 2022

Atos and IBM announce an expansion of their partnership around **IBM Cloud for Financial Services** to help financial services companies reach optimum data and systems security with “**EU trusted third party cybersecurity monitoring**” supplied by Atos. This will enable organizations, including operators of vital importance (OIV) and operators of essential services (OES) to go a step further in the adoption of cloud technology. These additional capabilities will allow them to further protect their data and systems and get them supervised in compliance with the EU Network and Information Security Directive (NIS) and the French national military programming law (Loi de programmation militaire, LPM).

Regulated financial firms are facing a vast number of disruptive forces, including ever-increasing customer demand for new, innovative, and personalized products and services. As a result, they are looking to the cloud to help them accelerate their transformation but they need a cloud that meets strict security and regulatory compliance obligations. Businesses and institutions need to rely on a secured and trusted cloud environment to embrace the full potential of technology innovation and benefit from better agility and resiliency, with built-in data security and compliance capabilities to meet EU regulations.

As the European leader in cybersecurity services, and by offering its unique expertise as the "EU trusted third party" with its cybersecurity monitoring services for the IBM Cloud for Financial Services infrastructure, Atos will help IBM Cloud customers reinforce their compliance with the highest level of security required by the French government. These key security services complement IBM’s existing security measures.

Atos will enable organizations using the IBM Cloud for Financial Services to benefit from its expertise in cloud security through its local **Security Operations Center (SOC), located in France**. The Atos SOC will permanently monitor the IBM Cloud infrastructure, data plane and control plane – through the detection, analysis, and notification of security incidents – in order to ensure that any threat is dealt with immediately. Atos’ SOC services are delivered in accordance with the **PDIS (Security Incident Detection Service Provider) reference framework**, issued by the French national cybersecurity agency (ANSSI). The overall solution is based on multiple specific attack detection scenarios that complement IBM's detection strategies to provide even greater security.

"As our clients' need for cloud solutions continues to accelerate and the associated regulatory environment becomes increasingly complex, IBM cloud for Financial Services, which is enabling clients to meet the most stringent local regulations, is now complemented with an EU trusted party, made

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possible thanks to the cybersecurity monitoring provided by Atos," said Yannick Tricaud, Head of Atos Southern Europe.

"This partnership with Atos will enable an even greater transparency and trust for financial institutions who want to use a cloud environment for their critical workloads. It will complement IBM Cloud for Financial Services, already very well known for its innovative services and automated security and compliance", said Béatrice Kosowski, Country General Manager, IBM France. "End to end IBM Cloud security monitoring supplied by Atos, a global leader in digital transformation, is a unique and a forward-looking approach on the market to address compliance objectives".

IBM Cloud for Financial Services is designed to address cybersecurity and regulatory challenges and to deliver the benefits and flexibility of a public cloud in a secure and compliant environment, as to enable regulated institutions to host their mission-critical applications and highly sensitive data in the cloud and transact quickly and efficiently. It is equipped with security features that include:

- **Confidential computing** technology that protects data as it is being processed and, when combined with encryption of data at rest and in transit with exclusive control of encryption keys, provides end-to-end security for sensitive and highly regulated data and applications in the Cloud. Meaning, our clients' data is theirs alone and IBM cannot access it.
- Industry leading encryption technology, called "**Keep Your Own Key**", which allows organizations to retain control of their own encryption keys. IBM's leadership in this area is backed by the highest level of security certification available on the market, this capability makes the IBM Cloud (and therefore IBM Cloud for Financial Services and Telecommunications) **the most secure public cloud for the enterprise.**

IBM Cloud for Financial Services, with its embedded security and compliance framework, helps financial institutions in their journey to cloud, and combined with Atos' EU Trusted Third Party security monitoring, can help address data security for any regulated sector in Europe.

IBM Cloud for Financial Services is based on the IBM Cloud Framework for Financial Services, designed to meet the expectations of financial sector supervisory and regulatory bodies. Going beyond common compliance and regulatory standards – such as NIST, PCI, SOC, or FFIEC – it includes a consistent and extensive set of embedded controls that spans cybersecurity, data protection, access management, and configuration management. It is kept current with changes in the regulatory, security, and risk landscape. It is intended to address the regulatory obligations of financial institutions emanating from over 75 financial services regulators in 24 countries, including jurisdictions in Europe, the Americas and Asia-Pacific.

Part of the IBM Ecosystem, Atos' collaboration with IBM combines both companies' strengths to help solve the most complex challenges in business and society for clients with hybrid cloud and AI. Recently, Atos launched its Atos Center of Excellence for IBM Cloud solutions to accelerate digital transformation for financial services institutions.

Atos and OVHcloud partner to accelerate development of quantum computing

9 June 2022

Atos and OVHcloud, the European leader in cloud computing, announce a partnership in the field of quantum computing to make Atos' quantum emulator available "as a service" through OVHcloud offers. This European premiere will make quantum emulations technologies more accessible, thereby expanding the quantum technologies' ecosystem. Research laboratories, universities, startups and large companies will ultimately have the opportunity to design quantum software and explore pioneering

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applications well ahead of the market.

By fostering the emergence of tomorrow champions, and by encouraging their international reach, Atos and OVHcloud are committed to contributing to the development of a coherent ecosystem ready for the advent of quantum computing technologies. Thanks to the two European leaders, both public and private players of this burgeoning ecosystem will have access to a quantum development environment wherever they are located, so they can develop and experiment “as a service” software bricks, ahead of the effective release of the first quantum computers.

By emulating a real quantum environment, this offering aims to reproduce the various approaches to quantum computation. Using the unique power of Atos’ SMP BullSequana X800 server, the Atos QLM achieves unrivalled simulation capabilities, covering three different quantum programming modes (the gate model, the annealing model and the analog model). When deployed within OVHcloud, users will be able to emulate circuits up to 38 qubits in double precision, and solve quantum annealing problems of up to 5,000+ qubits.

Scalable and interoperable Atos’ QLM enables the development of hardware-independent quantum software layers in program, annealing and analog modes, thanks to its unique and patented quantum compilation technology. This unique technology will also pave the way for the first applications that are optimized for first generation processors known as NISQ or Noisy Intermediate Scale Quantum.

In choosing Atos technology as an anchor for its future developments, OVHcloud will be in a position to offer quantum computation solutions through Jupyter Notebooks, offering developers easy access. Designed according to free and open standards, the Notebook will offer a variable level of performances depending on the infrastructure, which will benefit from the work already carried out by the Artificial Intelligence teams at OVHcloud.

Concerned with strengthening the European digital ecosystem by embracing the next technological leaps, Atos and OVHcloud commit themselves to encouraging the adoption of this new paradigm to contribute to Europe’s technological sovereignty and to foster the emergence of new champions in this field.

“By announcing this partnership, OVHcloud confirms its ambition to address and make accessible to the greatest number of people the most advanced technologies. The quantum revolution and the deployment of the first use cases cannot be achieved without the Cloud, whose consumption mode and freedom of use are uniquely able to unite expert communities” said **Thierry Souche, CTO, OVHcloud.**

For **Emmanuel Le Roux, SVP, Director of HPC, AI and Quantum, Atos,** *“This partnership is a major milestone in preparing the quantum revolution. Thanks to OVHcloud, we can offer an “as a service” cloud version to democratize and share our quantum emulation technologies more widely to prepare for the future. We are convinced that the future of high-performance computing lies in the hybridization of our technologies, between traditional computing and the integration of co-processors, accelerators, quantum and cloud technologies. Already a pioneer in quantum with the launch of our QLM in 2017, which was the first emulator on the market, this strategic partnership with OVHcloud is an additional step forward in our quantum strategy.”*

BETA CAE Systems announces the launch of its new office in Guangzhou, China

1 June 2022

BETA CAE Systems announces the further expansion of its presence to South China, with the establishment of a new office in Guangzhou. This important step was taken with the aim to enhance the customers service experience for our customers in the region, and to continue to expand the deployment

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of our software in the market of China.

"BETA CAE Systems China effectively position its presence near Shenzhen; the global hardware capital" says Yakun Li, Managing Director of BETA CAE Systems China. "This new office is strategically positioned to support the new opportunities the construction of the Guangdong–Hong Kong–Macau Greater Bay Area will bring".

"This new office comes naturally as our operations in the region expand in a rapid pace", adds Elias Mezitis, Managing Director of BETA CAE Systems China. "Staying loyal to our code of conduct for high level customer care, this new office will not only support this expanding presence, but it will also contribute to our efforts towards the ongoing mission: to enable engineers deliver results of high value through engineering simulation".

Big name strategic partners unveiled at Sage Partner Summit 2022

8 June 2022

Sage, the leader in accounting, financial, HR, and payroll technology for small and mid-sized businesses (SMBs) today kicked off Sage Partner Summit 2022 announcing three new strategic partnerships.

During his keynote speech to Sage Partners, channel head Aziz Benmalek, announced partnerships with technology and banking leaders Lloyds Bank plc, Satago, and Automatic Data Processing, Inc. (ADP), a provider of HR and Payroll software and services.

These new partnerships demonstrate both the scale of Sage's ecosystem, and of the investment in developing new and innovative direct and indirect routes to market.

"What the past two years have taught us is that there is no turning back on digitalization. As part of our digital network, we are uniquely placed to support customers with best-in-class solutions, making it simpler for them to do business," says Aziz Benmalek, President, Sage North America, and EVP, Global Partner Organization.

"The partnerships we have announced today with Lloyds Bank plc, Satago, and specifically ADP offer our resellers the opportunity to put enterprise-grade solutions into the hands of SMB customers."

Partnerships explained:

Partnering with Lloyds Bank plc and Satago for simplified access to finance

Soon to be launched, this three-way partnership between Sage, Lloyds Bank plc and Satago will offer fast and flexible access to cash from unpaid invoices, helping small businesses better manage cash flow. Powered by Satago, Sage customers will be able to access instant financing from Lloyds Bank, based on the value of unpaid invoices – regardless of payment terms.

Collaboration with ADP to boost productivity and performance

Following the announcement in November of their collaboration with ADP, Sage today shared availability of Sage Intacct Payroll, and Sage People Payroll both powered by ADP. The solutions streamline the flow of information between Sage products and ADP's WorkForce Now (WFN) technology, synchronizing employee data and payroll entries, and improving the quality of reporting, with fewer errors.

The annual Sage Partner Summit event, designed exclusively for Sage's worldwide partner community, is taking place in Dallas, Texas, from June 7-10, 2022.

CareAR Expands Collaboration to Accelerate Metaverse Service Experience Transformation

25 May 2022

CareAR, a Xerox company, has entered into a strategic collaboration with Infosys, a global leader in next-generation digital services and consulting, and will work together to fast-track enterprises' exploration of the metaverse enabled by the Infosys Metaverse Foundry. This engagement will also accelerate clients' service experience transformation across key industries, through CareAR's service experience management (SXM) platform comprising CareAR® Assist, CareAR® Instruct and CareAR® Insight applications. These applications provide instant real-time visual guidance and instructional content through smartphones, tablets and wearable devices that enable enterprises to leverage AR to drive efficiencies such as lower resolution times, reduced customer downtime and improved customer outcomes.

“At CareAR, our mission is to make expertise accessible with live visual AR interactions, instructions and intelligence to drive game-changing business outcomes that deliver significant operational efficiencies, reduce costs and create optimal customer and employee experiences,” said **Sajeel Hussain, Chief Revenue Officer at CareAR**. “The operating model and innovation vision of Infosys is in full alignment with CareAR's vision of reinventing the service experience.”

Infosys has developed a CareAR services practice that provides the CareAR SXM platform with the Infosys Enterprise Service Management (ESM) Café, part of Infosys Cobalt, enabling superior service experience and a seamless integration with ServiceNow workflows. CareAR's AR platform provides a natural extension for Infosys' metaverse foundry as it will allow customers and service technicians to interact using 3D renderings, immersive AR/VR experiences, digital twins, and an extensive content library of self-solve experiences.

“Service organizations are looking for opportunities to deliver advanced digital solutions that improve experiences for customers and technicians alike. Augmented and virtual reality have become imperative to that effort,” said **Bulent Cinarkaya, GM, Field Service Management at ServiceNow**. “The combination of CareAR's SXM platform, ServiceNow's leading AR Workflow extension, and Infosys' digital services and consultancy expertise will enable customers and technicians to take their service experiences to the next level and optimize the ways enterprises operate.”

Infosys and CareAR are working with customers across manufacturing, telco, oil and gas, healthcare, IT services and other industries. With AR / AI powered remote troubleshooting and self-service experiences, enterprises leveraging Infosys' ESM Café and CareAR's SXM platform are enabled to resolve issues faster decreasing the need to send maintenance technicians to the field for reduced carbon emissions, positively impacting ESG goals.

“Infosys is keenly focused on delivering opportunities to digitally transform enterprise experiences through a solid ecosystem of partners and this collaboration with CareAR is a natural extension of that commitment,” said, **Narsimha Rao Mannepalli, Executive Vice President, Head – Cloud Infrastructure and Security Solutions, Infosys**. “Working with CareAR, Infosys can provide enterprises with the digital services acceleration tools needed to achieve increasingly immersive service experiences that drive customer satisfaction and improved employee experiences.”

Dassault Systèmes, the H. HARTMANN Institute and the Institute Rafaël Launch the VORTHEx Project, the World's First 3D Simulator for Radiotherapy

3 June 2022

Dassault Systèmes, the H. HARTMANN Institute – the first private radiotherapy center in France and part of ELSAN – and the Rafaël Institute today announced the launch of the VORTHEx project, the world's first radiotherapy room simulated entirely in 3D. The project leverages cutting-edge technologies to support patients during their illness and improve their well-being during treatment by allowing them to experience their treatment virtually before starting it.

The VORTHEx project's room is a virtual twin of a new room at the H. HARTMANN Institute of Radiotherapy and Radiosurgery, which is located near the medical offices and treatment rooms of the Franco-British Hospital in Levallois-Perret, France and is equipped with the latest Cyberknife robot from the company Accuray. 3D simulation accurately recreates the technical aspects and procedures of the treatment including the room, the robot arm, the position of the patient, and the conditions and steps of the sessions. The virtual experience, which can be integrated easily into the patient's treatment plan, is supervised by a member of the H. HARTMANN Institute health care team, who accompanies the patient throughout the experience.

In France alone, there are around 400,000 new cases of cancer per year and, during patient care, 60% of them will undergo radiotherapy. Radiotherapy has made considerable progress in recent years in terms of efficiency and precision, yet a radiotherapy treatment room can often be a distressing place for a patient weakened by the disease; the procedures, medical explanations, and reality of lying on a treatment table can make it difficult for patients to prepare themselves. Supporting them plays a crucial role in their fight against the disease. By familiarizing a patient with the treatment site and equipment, the VORTHEx project aims to improve their comfort, reduce their anxiety and deepen their understanding of the treatment.

“This experience helps our health care treatment plan. It is a very realistic and interesting addition! Although the doctor explains the radiotherapy session to us, we can miss a lot of it. But we understand everything well thanks to the visualization from this virtual experience. Visualization is better than 1,000 words. And knowing what's going to happen is always better than being in a state of uncertainty,” said Christian E., patient.

“This is really an incredible experience. It enables us to dive right in. It's ideal, very pleasant, clear, precise, and well done. It's reassuring, and that seems important to me when starting treatment. This experience enables us to understand what we are going to live through,” said Marc N., patient.

“I was apprehensive, but this experience allowed me to take a step back, really prepare myself for the radiotherapy session and be reassured. It complements the appointment by providing us with many more details and answering certain questions that we didn't necessarily dare to ask,” said Alain A., patient.

The H. HARTMANN Institute has partnered with the Rafaël Institute to provide a holistic approach to global health that combines cutting edge treatments and personalized and coordinated care. For the VORTHEx project, Dassault Systèmes' 3DEXPERIENCE Lab provided the technological expertise and virtual reality equipment for the immersive experience. The lab used Dassault Systèmes' 3DEXCITE applications and engineering data of real world processes to create the scenario and its function. Digital continuity ensured an accurate virtual twin of both the robot and the treatment area. Clinical tests measuring the effects and performance of this simulation in the patient journey will be carried out on the Medidata clinical trial platform.

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“Digital continuity now makes it possible to leverage the virtual twin of medical equipment for new innovative uses as part of the patient journey,” said Frédéric Vacher, director of the 3DEXPERIENCE Lab, Dassault Systèmes. “The impact of this immersive 3D experience, which reproduces the treatment room identically in a virtual world, will be evaluated during clinical tests with a group of patients.”

“Achieving this highly innovative project demonstrates once again that our actions and thinking are resolutely turned toward our patients thanks to the integration of new technologies dedicated to their well-being and the precision and safety of treatments,” said Emile Dinet, Managing Director, H. HARTMANN Institute.

Digital Twin Consortium and Smart Cities Council Announce Partnership

8 June 2022

Digital Twin Consortium® (DTC) has partnered with the Smart Cities Council (Council) to assist DTC’s work with cities globally. DTC drives the awareness, adoption, interoperability, and development of digital twin technology. The Council will continue its work educating cities about sustainability and resiliency. The parties plan to engage in joint efforts to educate local governments and cities about digital twin capabilities.

Globally, the plan is to leverage the Council’s presence in Australia, New Zealand and India to further educate cities.

In North America, the partnership highlights include:

- A guest appearance by DTC’s CTO Dan Isaacs at Smart Cities Week Denver speaking at the Smart Cities Academy and a session on Digital Twins for Cities.
- Council’s Managing Director, Philip Bane will speak at DTC’s member meeting in late June in Orlando.
- The Council will host and DTC will provide expert speakers at a Digital Twin Workshop co-sponsored by the City of Orlando in September, 2022.

Across Australia and New Zealand the Smart Cities Council hosts the region’s Digital Twin Hub providing an opportunity for the recently announced DTC Regional Branch Organizer (‘RBO’) XMPro to collaborate on continuing to build an engaged local community and catalyzing a marketplace for digital twins across the region. The Hub, led by a Task Force and governance team, develops knowledge resources, including releasing the Australia New Zealand Digital Twin Strategy Blueprint in 2021, hosts premier annual events including the Aotearoa New Zealand Digital Twin Summit and Digital Twin Week, being held in Melbourne, Australia in October, 2022, and facilitates the biennial Digital Twin Challenge.

ESI Group joins the Euronext Tech Leaders segment

8 June 2022

ESI Group, a global simulation and virtual prototyping software partner for the industry, announced that it will join the Euronext Tech Leaders initiative, a new segment including more than 100 high-growth and leading Tech companies across Europe.

“ESI Group is very pleased to be one of the 100 European companies included in this new Euronext Tech Leaders segment. Such types of initiatives are critical for companies like ours. It’ll help to accelerate the shift of valorization methods of tech companies by the European financial ecosystem. At ESI, we believe that Tech, and software, are key enablers for the creation of a more safe, clean, and

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more productive industry, by extension, society. It's a new journey that starts for our ecosystem of European Tech Leaders."

Cristel de Rouvray

Chief Executive Officer of ESI Group

Euronext's rich Tech ecosystem brings together 700+ Tech companies listed on Euronext markets with 660+ alumni of its pre-IPO programs and a large international investor base financing all growth profiles of Tech companies.

Euronext Tech Leaders is composed of 100+ high-growth and leading companies, each meeting a specific set of criteria to qualify. It complements Euronext's existing Tech offer and aims to strengthen the European Tech sector and be a catalyst for the next generation of Tech leaders.

In addition to being recognized for the value it creates for the industrial and tech ecosystems, the company is also part of the, even tighter, segment of women-led Tech leaders (less than 10 over +100 companies). ESI Group's management is composed of 10 people, 4 of whom are women holding key positions as CEO, EVP Operations & CFO, SVP Governance & General Secretary, and Chief of staff.

As a Euronext Tech Leader, ESI Group will benefit from the suite of services developed by Euronext and its partners to support participants along their listing journey.

FARO Announces Election of Yuval Wasserman as Chairman of the Board of Directors

2 June 2022

FARO® Technologies, Inc., a global leader in 4D digital reality solutions, announced the election of Yuval Wasserman as Chairman of the Board of Directors, effective May 26, 2022. Mr. Wasserman joined the FARO Board of Directors in December of 2017 and has served on all Board committees, including most recently as Chairman of the Talent Development and Compensation Committee.

"I'm pleased to have an executive with Yuval's broad experience of successfully driving long-term profitable growth in global technology companies, most recently as the President and CEO of Advanced Energy Industries, Inc. where he led a nearly 7 fold increase in market capitalization, to share in the leadership of FARO," commented Michael Burger, FARO Chief Executive Officer. "I also want to thank John Donofrio, who has been FARO's Chairman since 2019, for his partnership and leadership. John's deep experience with FARO over the last 14 years has been invaluable as we have sought to transform FARO into a leading 4D solutions provider."

John Donofrio remains on FARO's Board of Directors and will assume leadership of the Company's Talent Development and Compensation Committee, effective May 26, 2022.

Global technology leader Hexagon recognises manufacturing's best start-ups

9 June 2022

Hexagon's Manufacturing Intelligence division announced the winners of its first cohort of start-ups selected to help the manufacturing industry operate more sustainably and efficiently.

Hexagon is a multi-billion dollar pioneer in digital reality solutions, combining sensor, software and autonomous technologies to address new challenges with greater insights. With sites in more than 50 countries, its manufacturing technologies help make 95% of all cars, 90% of all aircraft and 85% of all smartphones worldwide. The company launched the Sixth Sense open innovation platform in January to

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challenge how multinationals approach innovation and help nurture creative solutions to emerging manufacturing challenges by connecting with world-class companies to solve some of humanity's biggest challenges.

The two joint winners were chosen following an intense eight-week training programme to hone their business model and approach, concluding with a final presentation to a panel of expert judges to pitch for the resources to globalise and gain access to Hexagon's extensive customer base.

The winners are:

[RIICO](#), that has designed a 'Sims-style' drag and drop virtual factory floor. Its AI solution creates a true-to-life simulation of a plant with a single 3D scan, empowering teams with the tools and flexibility to collaborate and improve on factory design from anywhere in the world. This has enormous productivity improvement potential, with around 80% of factory improvements currently getting stuck in the ideation phase. This can remove barriers to greener workflows by making the identification, installation and optimisation of them as painless and low-resource as possible. The young team of university friends from Germany launched the company just last year and since joining the platform have already been backed by the likes of UC Berkeley's SkyDeck fund, multiple investors, and AI experts in the US and Germany.

[SmartParts](#), that has created an embedded digital barcode for 3D printing. It has developed a solution utilising data-rich particles that can be embedded into the materials of 3D printed parts, which when scanned reveal the material and part full specifications and history. The solution will enable industries with specific technical requirements, like aerospace and defence, and those with strong ESG commitments, such as governments, to have greater control over their supply chain and processes and encourage responsible business decision making. With modern supply chains under intense pressure, there is increasing need to monitor and verify the authenticity of products. For example, 520,000 counterfeit aerospace parts are installed in planes every year, and 8% of all medical devices on the market are estimated to be fake. SmartParts aims to combat this by directly connecting physical assets with digital records to ensure end-to-end traceability and trust in 3D printing. The small US-based team has direct experience with manufacturing in high requirement industries, having served as New York City's main contractor for 3D printed swabs during the height of the Covid pandemic in 2020.

Sixth Sense is a revolutionary approach to the traditional accelerator, designed as an exchange of value between Hexagon and the start-ups, providing more than just theoretical training. The cohort gain tailored instruction on how to hone their offering for greater commercial success using Hexagon's deep market insight, while Hexagon aims to apply learnings from the start-ups' agility and fresh approach to innovation.

Parth Joshi, Chief Product Officer and Chief Technology Officer of Hexagon's Manufacturing Intelligence division, said: "We expect all seven companies from this first cohort will go on to have a significant impact on the future of the manufacturing industry, and we will work with them all in some way; we were incredibly impressed with the strength and creativity of all solutions. As winners, SmartParts and RIICO should be particularly proud of their achievements, and we look forward to working with them to help grow their businesses and relationship with Hexagon and our customers."

"Sixth Sense has broken the mould, and successfully so – everything from the initial demand to the final result has been eye-opening," said Paolo Guglielmini, President of Hexagon's Manufacturing Intelligence division. "At Hexagon, we are searching for smart, efficient solutions that will not only boost performance, but benefit people and the planet. We will be recruiting for the next cohort soon, and I would emphasise that we encourage applicants from diverse backgrounds to help foster creative

answers to global challenges.”

The runner-up to the two winners is Praemo, who developed Razor™, a sophisticated manufacturing insights application that ingests data ‘as-is’ from automation, quality, historians and maintenance systems to drive next level continuous improvement in areas like throughput, cost and productivity using advanced Machine Learning without the need for skilled data science teams. Hexagon would like to congratulate all the companies involved in this pioneering cohort, which included Eyeflow AI, IconPro, SmartPM and SmartUQ.

Hexagon’s Asset Lifecycle Intelligence division announces new name to better reflect expanded solutions portfolio

6 June 2022

Hexagon AB, a global leader in digital reality solutions combining sensor, software and autonomous technologies, announced the PPM division’s name has changed to **Hexagon’s Asset Lifecycle Intelligence** division to more accurately represent Hexagon’s evolving offerings in the market via recent acquisitions.

The new division name was unveiled during a press conference at the 26th annual ARC Advisory Group Industry Forum at the Renaissance Orlando at SeaWorld in Orlando, Fla., USA.

Mattias Stenberg, President, Hexagon’s Asset Lifecycle Intelligence division, said, “This evolution is driven by our customers’ needs to have real-time intelligence about their assets. This divisional name is reflective of our focus and expertise in supporting the entire asset lifecycle throughout the customer’s digital journey.

“We’ve been expanding our portfolio and capabilities and innovating the next wave of technologies to empower an autonomous future. At the same time, we have been working on clarifying our vision and refining our positioning and messaging in the market. Hexagon’s Asset Lifecycle Intelligence division summarises the future of our division as we deliver upon our vision of the Smart Digital Reality™ for Autonomous Industrial Facilities.”

Hexagon’s Asset Lifecycle Intelligence division strives to achieve ambitious growth plans through both judiciously targeted acquisitions and steady research & development investments.

The new division name is a natural reflection of the expanded portfolio following recent acquisitions, most notably the addition of HxGN EAM (formerly Infor EAM), now part of Hexagon’s solution suite that helps digitize and optimize maintenance operations to reach optimum operational efficiency throughout the asset lifecycle. Other key additions to Hexagon’s comprehensive and increasingly diverse portfolio during the past 18 months include PAS Global (industrial control system cybersecurity), Jovix (material tracking software for construction) and Innovatia Accelerator Inc. (SaaS-based digitalization solutions that transform operations and modernize fieldwork in the manufacturing and process industries).

“Market forces continue to accelerate the need for companies to modernize the Industrial Facilities’ lifecycle,” Stenberg noted. “Hexagon is helping address the challenge with an expanding portfolio – innovating and acquiring the next wave of technologies to transform how Industrial Facilities are planned, designed, executed, operated and maintained. Our new name embodies not just who we are and what we do, but what we stand for.”

The Asset Lifecycle Intelligence division’s current website, hexagonppm.com, will remain intact for the time being.

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HxGN LIVE Global 2022 Hexagon's flagship digital reality solutions conference, is returning for the first time in three years with an all-new summit format focused on sparking discussion, encouraging debate and offering an opportunity to encounter the autonomous future. Taking place as both an in-person and virtual event at the Venetian in Las Vegas, Nev., from June 20-23, 2022, guests will hear from Ola Rollén, Hexagon CEO and President, Stenberg and other industry visionaries. The event is made up of seven audience-centric summits with the Asset Lifecycle Intelligence division driving the Digital Industrial Facilities Summit.

Infor Partners with Everstream Analytics to Help Organizations Better Anticipate and Navigate Supply Chain Complexity & Disruptions

6 June 2022

Infor, the industry cloud company, announced that it has entered into a technology partnership with Everstream Analytics, the global supply chain insights and risk analytics company, to help organizations better anticipate and navigate supply chain risks and disruptions. Through the partnership, Infor will integrate Everstream's end-to-end supply chain risk assessment and monitoring data with its Infor Nexus multienterprise business network platform.

The Infor Nexus Control Center, an end-to-end supply chain control tower, provides organizations with visibility to orders, shipments and inventory throughout the supply chain — delivering intelligent, actionable insights through its connectivity to carriers, logistics service providers (LSPs), suppliers and manufacturers.

Everstream's solution will complement these capabilities by providing data on external events — such as weather, labor strikes, port congestion, cybersecurity, ESG (environmental, social, and governance), and partner risks (physical and financial) — that could impact a company's supply chain flows and its ability to deliver.

By combining Everstream's risk monitoring intelligence with the other insights in Infor's digital supply chain platform, Infor will provide customers with a single supply chain control tower that provides end-to-end visibility and predictive alerts to numerous supply chain events and their impacts, helping them intelligently sense and respond to external events and ultimately deliver shipments on time and in full.

According to Heidi Benko, Infor vice president of product management, the partnership will help customers boost supply chain agility, resiliency and on-time performance.

“The Infor Nexus network has always connected companies to their supply chain partners and suppliers to provide visibility, collaboration and execution of supply chain processes from source to pay,” Benko said. “Partnering with Everstream gives us the predictive insights needed to identify external risks or disruptions that could impact customer supply chains and the ability to deliver.”

Rick Meyer, head of global sales at Everstream Analytics, said, “Through this partnership, Everstream will provide the risk event intelligence that the Infor Nexus platform can then tie directly to transactions across the supply chain. By applying AI and predictive analytics to our datasets, we can deliver the predictive insights and risk analytics that businesses need for smarter, more autonomous and sustainable supply chains.”

For example, when Everstream Analytics identifies a risk event, such as port congestion or a major weather event, it will notify the Infor Nexus platform, containing the time of the event, the occurrence duration, severity and the location. Infor Nexus Control Center will cross-reference the incident with network data to understand the impact on a customer's transactions and alert users – providing decision support tools and resolution workflow so they can swiftly take action.

Informatica Celebrates Data Innovators at Annual Innovation Awards

2 June 2022

Informatica, an enterprise cloud data management leader, today announced the 2022 Innovation Award winners. Now in its 22nd year, the awards honor customers' success in driving data-led digital transformations and intelligent data innovations.

The Informatica Innovation Awards recognize customers implementing projects that are not only strategic and measurable but align with the Informatica values of We DATA: Do Good, Act as One Team, Think Customer First, and Aspire for the Future. The six categories encompass initiatives around master data management, analytics and AI, cloud data warehousing and data lakes, customer 360, data cataloging, data engineering, data governance and privacy, data strategy and other data-driven digital transformation projects.

Informatica chose the winners based on their vision, creativity and leadership, and how they are driving their data-driven digital transformation with the support of Informatica solutions. The nominations were judged on multiple criteria, including transformational impact, creativity and innovation, leverage and scope, complexity, and environmental or social impact.

This year the following organizations have driven change and value for their business by leveraging the power of the Intelligent Data Management Cloud and have been recognized as the 2022 Innovation Award winners:

- Intelligent Digital Enterprise of the Year: PepsiCo
- Intelligent Analytics, AI & Data Warehouse/Datalake: Willis Towers Watson
- Intelligent Cloud Modernization: BMC Software
- Intelligent Master Data Management & 360 Applications: Belron
- Intelligent Data Governance & Privacy: American Airlines
- Intelligent Data Strategy & Vision: Volvo

"As modernization projects shift gears into digital transformations, we're seeing the true data leaders taking the next step in becoming intelligent data enterprises," said Jitesh Ghai, Chief Product Officer, Informatica. "This is because enterprises that have data at their core innovate faster, deliver exceptional customer experiences, and comply with regulations with ease. The Informatica Innovation Awards celebrate our customers who are leading the way, leveraging our Intelligent Data Management Cloud to drive value from their data, redefining what it means to be a data leader."

Inspirage Wins Oracle's Game Changer Award for SCM Service Delivery Partner of the Year

2 June 2022

Oracle announced that Inspirage is the winner of the Game Changer Award for SCM Service Delivery in the 2021 Oracle Change Agents Partner Awards. The award recognizes Inspirage for its excellence in helping customers use Oracle Fusion Cloud Supply Chain and Manufacturing (SCM) to meet critical business objectives such as accelerating innovation, driving digital transformation, and increasing sustainability.

Inspirage was also named as a finalist in three other categories: The Change Agent Award for Best Use of Oracle Cloud in Supply Chain, The Summit Award for Excellence in Process Standardization and Innovation, and The Inclusivity Award for Equality, Diversity, and Inclusion in Finance and/or Supply

Chain.

Inspirage, known for digital enablement across enterprise systems and a member of Oracle PartnerNetwork (OPN), has an extensive, award-winning history of customer success with Oracle Fusion Cloud Applications advisory and implementation services. As an Oracle partner, Inspirage pivoted early and invested heavily in accelerators, programs, training, and certifications to enable clients to adopt Oracle Cloud solutions successfully.

“The Oracle Change Agent Awards recognize those who have accelerated innovation, digital transformation, and sustainability for their organizations,” said Kevin Creel, President of Inspirage. “Inspirage is honored to be named the winner of The SCM Service Delivery Partner of the Year Award.”

“On behalf of the entire team at Inspirage, I extend our thanks to Oracle for recognizing the work Inspirage does to help our clients succeed by delivering the benefits of Oracle Cloud solutions,” said Sridhar Iyer, President, Global Consulting at Inspirage. “This reflects our employees’ high expertise, innovative solutions, and passion for excellence. We are extremely proud of our team’s accomplishments. They deserve this special recognition.”

Schneider Electric and ETAP Announce New Digital Twin Integration Enabling Operator Training and Simulations Reducing Risk to Operations

1 June 2022

Schneider Electric, the global leader in the digital transformation of energy management and automation, and ETAP, the industry and technology leader in power system design and operation, announced the integration of EcoStruxure™ Power Operation with ETAP Operator Training Simulator (eOTSTM) and ETAP Power System Monitoring & Simulation (PSMSTM) enabling model-driven power system training and predictive analysis for operators and engineers.

This unique integration allows all EcoStruxure Power Operation systems to connect with ETAP Electrical Digital Twin on a continuous real-time basis. With this connection, operators can create and understand power system behavior during various real-world or plausible operating scenarios. New operating procedures may be designed & validated against contingencies utilizing their familiar EcoStruxure Power Operation human-machine interface without the risk of affecting actual operations – all thanks to the underlying ETAP eOTS simulation and analysis platform

"A lack of power system intelligence can have huge financial impacts," said Sophie Borgne, SVP Digital Power at Schneider Electric. “The ability to integrate a digital twin with the Power SCADA system is a one-of-a-kind offering that will help companies avoid unplanned outages caused by human error, reduce start-up and commission times, and evaluate operator awareness and readiness.”

40% of unplanned shutdowns are due to operator missteps. Allowing power system engineers to anticipate potential failures and plan future systems expansions has real business impact as a lack of power system intelligence can cause huge financial losses. Oil and gas platforms experience up to \$3 million in losses for every outage, a single electrical event in the semiconductor industry means a \$3.8 million loss, while for hospitals, it’s roughly a \$1 million loss per 8-hour outage. Using cutting-edge technology to improve system planning and design, recognize and correct potential hidden problems, and avoid unforeseen errors can prevent these costly system disruptions.

“Integrating real-time situational awareness, operations management and online electrical network analysis capabilities allows power system operators, engineers and facility managers to better visualize, analyze and optimize their electrical system operations,” said Tanuj Khandelwal, CEO of ETAP. “ETAP

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Electrical Digital Twin with its real-time foundation elevates EcoStruxure Power Operation enabling our customers to monitor, manage, control, and perform advanced power analysis within the same environment in a sustainable manner. It is exactly the situational intelligence facilities need to design and operate their networks on a common digital twin driving efficiency and cost savings.

The ability to use live system data from Schneider's EcoStruxure Power Operation to feed the Electrical Digital Twin significantly reduces system downtime and drives more accurate decision-making, along with:

- **Reduced safety risks:** This technology helps reduce safety exposures by practicing emergencies and risky situations without the threat of any actual danger. Safety is also enhanced by strengthening operator skills and sharpening decision-making processes by solving and analyzing multiple "What if" scenarios.
- **Deeper learnings:** ETAP eOTS supports operators in developing a valid sequence of operations, safe switching procedures and validating the response of their Power SCADA respond under a wide range of conditions. An operator training simulator provides a convenient, safe, and effective learning environment. The results provide deep insights to maintain safe and reliable system operations.
- **Quicker response time:** ETAP PSMS with Predictive Analysis is a model-driven power system simulator that predicts system behavior in response to operator actions and events using real-time and archived data. ETAP PSMS enables power system engineers to anticipate potential failures and plan future systems expansions. In the event of unexpected equipment failure, faster incident response times are possible due to its unique and unified post-mortem analysis and event playback capabilities.

Schneider Electric Collaborates with Intel to Drive Industrial Innovation

7 June 2022

At ARC Forum Orlando, Schneider Electric, the leader in the digital transformation of energy management and automation, today announced a collaboration with Intel to extend EcoStruxure™ Automation Expert by creating a Distributed Control Node (DCN) software framework complimented by an associated Intel processor-based DCN hardware offering.

By combining the performance, security and deployment capabilities of Intel Edge Controls for Industrial (ECI) technology with EcoStruxure™ Automation Expert, the DCN framework can simplify and speed the development of software defined control systems. Additionally, the DCN will enable EcoStruxure Automation Expert – the world's first software-centric automation system – to scale faster and further in process industries, including energy and chemicals, mining, water/wastewater, pharmaceuticals and hybrid markets.

This DCN development will be based on Universal Automation (UniversalAutomation.org), an organization that manages the implementation of a shared source runtime based on the IEC61499 standard. EcoStruxure Automation Expert represents the first of a new era of automation software based on this shared runtime.

Advances in machine learning, real-time analytics and the Industrial Internet of Things (IIoT) hold massive promise for industrial enterprises and manufacturers. However, the industry has suffered from the lack of a future-proof solution that can be easily upgraded to keep systems running at optimal performance.

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A fundamental feature of EcoStruxure Automation Expert is the ability to decouple software from hardware. This allows hardware to be upgraded as required to improve system performance while the application remains the same, thereby protecting the customers intellectual property and investments. The joint effort between Schneider Electric and Intel illustrates the industry's transition from fixed-function hardware to software-defined, flexible, plug and produce solutions that deliver customers greater operational effectiveness.

“This is the direction for process automation,” said Natalie Marcotte, SVP and President, Process Automation, Schneider Electric. “To fully realize the potential of next-generation industries, we must embrace a collaborative way of thinking. This collaboration with Intel greatly enhances the capabilities of EcoStruxure Automation Expert, enabling the platform to scale faster and further. To create a new wave of innovation, we must work with all parties to create a more modular software-defined industry.”

“Software-defined systems that bring together the worlds of OT and IT are the future of process automation. The ability to mix and match leading software and hardware will allow customers to innovate quickly while still enjoying the operation performance they demand,” said Christine Boles, VP, Network & Edge Group, General Manager, Industrial Solutions Division, Intel Corporation. “Working with Schneider Electric in such a collaborative way, utilizing Intel's industrial specific processors and software, allows us to move quickly to develop and deliver new solutions that bring together innovative technologies that help customers achieve the benefits of Industry 4.0.”

Initial results of this joint DCN framework development will be shared at this fall's Schneider Electric [Innovation Summit – Las Vegas](#) (October 12-13).

Schneider Electric Launches Inaugural Global Partner Recognition Program

9 June 2022

Schneider Electric, the leader in the digital transformation of energy management and automation, today announced the launch of the inaugural ***Schneider Electric Sustainability Impact Awards***, the first initiative from the **Partnering for Sustainability Program**, to recognize the critical role partners of Schneider play in delivering a more resilient, sustainable electric world.

The Partnering for Sustainability program is a continuation of Schneider's vision to leverage its extensive ecosystem to empower partners to move towards a more sustainable future. It includes comprehensive education and training, a simplified product portfolio, an open and collaborative support ecosystem and digital knowledge and expertise. By providing four easy steps for partners to follow to future proof their businesses for life, the program aims to empower partners to become more sustainable in their own practices and supporting their customers on the path to net zero.

The Schneider Electric Sustainability Impact Awards will recognize partners ranging from IT partners, panel builders, system integrators, contractors, industrial automation distributors and OEMs, in two categories:

1. **Sustainability: Impact for my company:** Recognizing partners who exhibit sustainability leadership in decarbonizing their operations
2. **Sustainability and Efficiency: Impact for customers:** Recognizing partners who demonstrate sustainable leadership by enabling their customers achieve their decarbonization goals

Entries will be carefully evaluated on how they are leveraging Schneider Electric solutions to electrify their operations, reduce energy supply, increase operational efficiency and embrace circularity across the value chain.

Nominations are open

Nominations are now open to any organization globally that uses Schneider Electric solutions

Here is the list of partner who need to be part of the following business types to be eligible to join and participate in the program.

1. Homebuilders
2. IT Partners
3. Partner Builders
4. Design Firms
5. Contractors
6. System Integrators
7. EcoXpert
8. OEMs
9. Industrial Automation SI
10. Machine Integrators
11. Industrial Automation Distributors

How to Enter

We will officially start accepting the nomination from July 1st – [Register your interest here](#).

Deadline to submit is **25th November 2022**. All nominations and submissions will be shortlisted for the Regional Award, before streamlining further for the Global Award. The final winner will be announced in January 2023.

*“We are all on the same mission – to accelerate the path to net zero. At Schneider we want to recognize those who are embedding positive change in their business operations. Partners who are excelling at this will set a precedent for others to follow suit.” said **Rohan Kelkar, Executive Vice-President of Power Products at Schneider Electric**. “We know there’s power in numbers and together we can deliver a significantly larger impact through considered sustainable and efficient practices.”*

TCS Appoints Chen Kamer as Country Head for Israel

6 June 2022

Tata Consultancy Services (TCS) announced the appointment of Chen Kamer as its new Country Head for Israel, with responsibility for managing business and operations in the region.

Kamer has about 20 years of experience in the tech industry, and has worked with global enterprises across the manufacturing, healthcare, public services, hi-tech, telecom, retail, and travel and transportation industries. During his more than 15-year career at TCS, he has held various leadership roles. Kamer spent the last eight years heading a strategic team at TCS’ corporate office in New York, driving key transformation initiatives for large customers in North America and Latin America. In the past, he has served as Commander in the Israeli special forces unit, Shaldag, considered one of the most elite units of the Israel Defense Forces, for 4 years.

In his new role, Kamer will lead the company’s efforts in helping customers drive innovation, reimagine customer experience, and accelerate transformation and growth.

“I am honored and excited to take up my new role and work alongside our talented workforce to help

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*leading enterprises in Israel achieve their ambitions,” said **Chen Kamer, Country Head, TCS Israel**. “As the Israeli tech market continues to boom, we see great potential for TCS to grow here as well. Our deep domain and contextual knowledge, technology expertise, vast global presence, and strong local roots, uniquely position us to drive our customers’ digital transformations.”*

Present in Israel since 2005, TCS helps some of the largest organizations in the region define the blueprint for their business transformation and embrace new technologies to improve operational resilience, embrace new business models, and enhance customer experience. TCS’ approximately 1,000 employees based in Petah Tikvah, Jerusalem, and India work with customers in the banking and financial services, travel and transport, public services, hi-tech, retail and manufacturing industries, bringing the latest innovations to enable them to stay ahead of the curve.

TCS Launches Flagship goIT Program for Students in Riyadh

3 June 2022

Tata Consultancy Services (TCS) has launched its flagship digital innovation and career readiness program – goIT – in Riyadh, Saudi Arabia.

Aimed at demystifying computer science and assisting students in gaining the skills and confidence required to pursue STEM careers, goIT is an experiential, immersive program that gives young people access to hands-on technology education and design challenges. It introduces students to design thinking and digital technologies to develop and prototype solutions that improve their own communities or support the United Nations’ Sustainable Development Goals (SDGs). The engaging curriculum includes innovation lifecycle, product prototyping, and industry-relevant entrepreneurial skills. Under the program, TCS employees mentor students, and provide industry context and real-world connections.

TCS is currently collaborating with Al Sahafa International School, Riyadh and has trained 106 students. Under the theme of the UN SDGs, students ideated on solutions for good health and wellbeing, affordable and clean energy, and zero hunger. For example, Grade 7 students researched, ideated, and prototyped a mobile solution called ‘Team Earth’ that displays the location of the nearest renewable energy outlets and finds an environmental, social, and governance volunteer. Meanwhile, Grade 5 students pitched a technology solution to solve world hunger by creating an app that would act as a digital aggregator. Called ‘Free Supermarket’, it would help people make and receive donations.

*“To be competitive in the digital economy of the future, every community has to invest in developing its human capital and creating a digitally-capable workforce. We have been partnering with local communities for the past 13 years to spark interest in IT and technology among young people,” said **Sumanta Roy, Regional Head, Middle East & Africa, TCS**. “After the huge success of goIT in other parts of the world, we introduced this program in the Kingdom so students can learn from TCS’ skilled technology professionals and flex their IT skills. We look forward to expanding the program to more schools in Saudi soon.”*

Commenting on the collaboration, **Ola Mourad, Academic Coordinator, the Al Sahafa International School, Riyadh**, said, *“We are very excited to see the STEM exposure our students got through the TCS goIT program. They really impressed us with their enthusiasm and willingness to learn. I think programs like this are extremely important in showing students how they can succeed in a range of fields, with a good grounding in IT.”*

Leah, Grade 7 student, the Al Sahafa International School, shares her experience, *“I am super happy to have had the opportunity to get involved in the design thinking program. The mobile app training is cool and I am proud of my project on improving world health by using technology.”*

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The flagship program has benefitted over 100,000 students across 38 countries around the globe since its inception in 2009. In a first, the TCS goIT program was conducted in Arabic to suit local schools across the Middle East.

TCS was named the Top Employer in the Middle East region by the Top Employers Institute for six consecutive years. The company's pioneering All-Women Innovation Lab in Riyadh promotes collaboration with startups and universities to provide a platform for students to explore and innovate with new technologies. Recently, TCS Saudi Arabia won the Bronze Trophy at the King Khalid Sustainability Award 2021 and the Best Operational Excellence Award at the World Quality Congress.

Tech Mahindra Inaugurates Innovation and Technology Development Center in Oman

5 June 2022

Tech Mahindra, a leading provider of digital transformation, consulting and business re-engineering services and solutions, inaugurated an Innovation and Technology Development Center, in Muscat, Sultanate of Oman, that will cater to the Telecom, Oil and Gas, BFSI (Banking, Financial Services, and Insurance), Energy & Utilities and Public Sector by leveraging Artificial Intelligence, Big Data & Analytics, Cloud and 5G technologies. This is in line with Tech Mahindra's commitment to invest in upskilling and reskilling of the local Omani talent to take on projects in Oman and around the world.

The inauguration ceremony was attended by H.E. Dr. Ali Al Shidhani, Undersecretary for Communications & Information Technology MTCIT, Mr. Amit Narang, Indian Ambassador to the Sultanate of Oman, Senior Oman government officials, along with Senior executives of key enterprises in Oman and the top management team of Tech Mahindra led by its MD & CEO Mr. CP Gurnani.

H.E. Dr. Ali Al Shidhani, Undersecretary for Communications & Information Technology MTCIT, said, *“Oman Vision 2040 prioritizes a future with a knowledge-based society where education and research play a vital role for the citizens. Being ahead of important developments in information technology is encapsulated in our vision statement, and this innovation and development center by Tech Mahindra is a step in that direction. Developments like these are milestones in achieving the success we envision of being a competitive nation and one of the top countries in Digital Economy in the region. It also supports our talent, upskilling to compete in the job market.”*

CP Gurnani, MD & CEO, Tech Mahindra, said, *“I believe the vision of Oman based on the pillars of “People and Society”, “Economy and Development”, and “Governance and Institutional Performance” will transform and enhance the country's economy. Tech Mahindra is pleased to play a part in this strategic narrative and support in building a resilient tomorrow for Oman, that thrives on growth & innovation, with a keen focus on empowering women. As a global organization, we are committed to honing talent across geographies, and our initiatives have been warmly embraced in Oman. This innovation and development center will grow Omani talent in the technology industry and will enable us to leverage it for markets globally.”*

Ram Ramachandran, Senior Vice President & Head of Middle East and Africa at Tech Mahindra, said, *“Across the world, the IT industry has been revolutionary — it has become an archetype of how economic liberalization combined with entrepreneurial spirit builds an industry that today contributes significantly to the GDP of any country. Tech Mahindra has a significant footprint in Oman and we have the confidence of the local industries which we have partnered with through the years. The newly inaugurated innovation and development center is one more significant development in our contribution to the country as we tap the huge young talent in the country.”*

CIMdata PLM Industry Summary

Tech Mahindra also inaugurated **Maker's Lab** (Center for R&D) at the center, which will have strategic focus on creating IPs, solutions & services that harness the power of technology to make continuous advancements that will enable digital transformation, smart enterprise solutions, cloud transformation, Big data & Analytics.

Tech Mahindra believes in DigitALL philosophy for comprehensive Business Transformation. As part of NXT.NOW™ framework, which aims to enhance 'Human Centric Experience', Tech Mahindra focuses on investing in emerging technologies and solutions that enable digital transformation and meet the evolving needs of the customer.

Update on IBM's Business Operations in Russia

7 June 2022

The following message was shared with IBMers worldwide from our Chairman and CEO, Arvind Krishna, on May 30th.

On March 7th, I shared with you our decision to suspend IBM's business operations in Russia due to the war in Ukraine. Our focus for months has been on looking after the safety and security of IBMers and their families in impacted regions.

We chose to suspend operations so that we could evaluate longer-term options while continuing to pay and provide for our employees in Russia. As the consequences of the war continue to mount and uncertainty about its long-term ramifications grows, we have now made the decision to carry out an orderly wind-down of IBM's business in Russia. We see this move as both right and necessary, and a natural next step following our business suspension.

This process will commence today and result in the separation of our local workforce. Our colleagues in Russia have, through no fault of their own, endured months of stress and uncertainty. We recognize that this news is difficult, and I want to assure them that IBM will continue to stand by them and take all reasonable steps to provide support and make their transition as orderly as possible.

I would also like to again thank IBMers everywhere for all you have done to help our company, clients and communities navigate this crisis. Your spirit and generosity have made a difference, and you need look no further for evidence than the nearly \$2 million in donations that have been made to the International Red Cross thanks to your individual gifts.

We remain united in our hope for an end to this war and the restoration of peace.

Thank you,
Arvind

Event News

Autonomy & Positioning Reality Summit earns IEEE accreditation, will provide credits as part of HxGN LIVE Global

1 June 2022

Hexagon's Autonomy & Positioning division is proud to announce the **Autonomy & Positioning Reality Summit**, taking place as part of **HxGN LIVE Global 2022**, has earned [IEEE](#) accreditation for Summit attendees. [HxGN LIVE Global](#) is Hexagon's digital reality solutions conference, bringing together visionaries from around the world to discuss, debate and experience the autonomous future.

CIMdata PLM Industry Summary

Engineers from all disciplines are required to earn professional development hours (PDH) or continuing education units (CEU) to maintain their IEEE membership. By awarding certification status to the Autonomy & Positioning Reality Summit, IEEE recognises the educative value of this industry-leading conference.

“The Summit has been designed as an education-first experience. Many of the presentations are based on case studies to show that an autonomous future is here, right now,” said Michael Ritter, president of Hexagon’s Autonomy & Positioning division.

These case studies include applications from urban taxis and rural transit vehicles to off-road autonomous tractors and automated road-train hauling for mining.

“Along with demonstrating autonomy, we have speakers sharing how to build reliable and robust positioning solutions so your application becomes resilient against jamming, spoofing and interference,” said Ritter.

Summit attendees will be able to claim up to 10 PDH or 1 CEU to put towards their IEEE certificates. In addition to autonomy case studies, the Summit will share technical presentations on assured positioning, navigation and timing resiliency techniques, functional safety processes, sensor fusion methods and the benefits of positioning redundancies through correction services.

The Autonomy & Positioning Reality Summit will host keynotes from:

- **Dr. Robert Thirsk**, engineer and astronaut with the Canadian Space Agency
- **Mr. Michael Ritter**, president of Hexagon’s Autonomy & Positioning division
- **Prof. Venkat Krovi**, Clemson University
- **Dr. Todd Walter**, Stanford University
- **Mr. Omar Ahmad**, University of Iowa

Additional speakers announced include: **Sandy Kennedy**, VP of innovation; **Lee Baldwin**, director of core autonomy; **Sara Masterson**, director of positioning services; **Gordon Heidinger**, automotive segment manager; **Bryan Leedham**, enclosures and post-processing product manager and **James Szabo**, agriculture autonomy product manager. [See the full programme here.](#)

“Whether your focus is on assured positioning with global corrections and interference resiliency, or safe autonomy with perception sensors and functional safety, this summit illustrates the reality of autonomy and positioning technologies today,” Ritter said.

The [Autonomy & Positioning Reality Summit](#) takes place as part of **HxGN LIVE Global June 20-23, 2022**, at the Venetian Resort and Hotel in Las Vegas. Registration begins at \$1,099 USD with the Last Chance rate, ending June 10. [Group rates are available.](#)

DXC Technology to Participate in Baird Global Consumer, Technology, and Service Conference

3 June 2022

[DXC Technology](#), a leading Fortune 500 global technology services company, will participate in the Baird Global Consumer, Technology, and Service Conference on Monday, June 6, 2022. John Sweeney, Vice President of Investor Relations, is scheduled to present at 10:15 AM EDT.

The presentation will be available on the "Events and Presentations" section of DXC's investor webpage at <https://investors.dxc.com>.

Lantek shows how working with a sheet metal software specialist can transform your business at BIEMH 2022

2 June 2022

Lantek will be demonstrating how working with an industry specialist will give you the ability to automate and control the whole of your business, by analyzing your machinery and customer KPIs by digitizing your factory in partnership with engineers that really understand the industry. The BIEMH will take place from 13th to 17th of June at the Bilbao Exhibition Center (BEC) and Lantek will be in Hall 5 Stand F23.

Lantek has 28,000 clients worldwide, using its [Expert](#) software to drive their CNC machinery and, internationally, it has seen a 25% increase in its digitalization business as companies realize how much difference starting on the path to a Smart Factory can make to profitability and efficiency. In the UK alone, 2021 saw a record turnover of over 1 million euro and a significant rise in interest in KPI analysis and digitalization. Lantek will be presenting at the BIEMH 2022 the **latest version of the suite**, launched during the past year under the **Global Release 2021**. With this update, Lantek continues with its commitment to offer its clients and distributors the most advanced and flexible solutions for the sheet metal market, increasing their efficiency and profitability, and helping them on the path to digital transformation.

This latest version means the culmination of 35 years of experience: Lantek 35th Anniversary Version. "35 years in software is a long time; many years learning from customers' processes, from their specific cases, from their workflows and from different machines and technologies. The 2021 version is the materialization of 35 years of experience, and we are proud to release it.", says Carlos García, CTO of Lantek.

The [Lantek Expert](#) and [Lantek Flex3d](#) CAD/CAM solutions give companies the ability to automatically create CNC programs for virtually every sheet metal machine on the market and its advanced nesting software ensures that material utilization is maximized. Building on the technology and capabilities of this software, companies can start by adding Smart quotation modules to quickly and accurately generate quotations for customers. They can then move on to [Lantek MES](#) which keeps track of scheduling and machine OEE and then to Lantek's cloud-based analytics software which will help them to understand the KPIs that are important to their company for both customer and manufacturing management.

José Montoya, Spain & Portugal Sales Manager says, "Making use of data about your customers and the performance of your machinery and resources in an intelligent and automated way is clearly the way to make a major change in efficiency and profitability. We can help companies in the industry take the first steps towards a Smart Factory, picking elements that suit their current manufacturing status and which are relevant to their businesses. With this approach we can work in partnership to develop a plan which will be easier to implement, and which will clearly show the benefits of the technology at each step."

BeDigital

Lantek will also be present at the 4th edition of BeDigital, the meeting point for the drivers of the digitalisation tools and industrial user companies and potential users of these tools, organized by AFM-Advanced Manufacturing Technologies Cluster and Bilbao Exhibition Centre.

BeDIGITAL 2022 is to take place in the context of the BIEMH International Machine-Tool Exhibition, making this the biggest industrial event dedicated to smart manufacturing.

Innovation at the core

CIMdata PLM Industry Summary

To increase its technology leadership Lantek has a long-term plan for growth and investment in R&D which extends to 2025. Alberto López de Biñaspere, Managing Director of Lantek explains, “We have been experiencing double-digit organic growth for years. At the end of the third quarter of this year, sales were 30 percent higher than last year. We have traditionally invested large proportions of our income in research and development. Through our new partnership with TRUMPF, the largest industrial group in the machine tool sector, we now have the necessary resources to increasingly pursue this path. For 2022, we intend to make the largest investments in our company’s history: We want to increase our commitment to research and development by 70%. To do this, we plan to grow our workforce by 50% over the next twelve months from the current 260 employees worldwide, with a clear emphasis on R&D and our international customer support team.”

As part of this initiative, Lantek will be growing its over 150 OEM partnerships to deliver an open system which can drive almost every sheet metal cutting machine on the market.

BIEMH 2022 will give companies in the sheet metal sector an opportunity to find out how Lantek delivers the flexibility of being able to choose the best and most cost-effective machinery for their application and run it at its full potential. They will also be able to see the benefits of introducing Smart Factory techniques which give a clear path to much higher efficiencies, greater customer loyalty, increased order levels and greater profitability.

OpenText Security Cloud Powers and Protects Businesses

3 June 2022

[OpenText™](#), a global leader in information management, announced an expanded suite of security solutions to address the heightened state of cyber security in today’s vulnerable world. With OpenText, organizations of every size can protect their data and systems against evolving threats. OpenText is showcasing new and enhanced security offerings that strengthen cyber resilience for SMBs, government agencies, and enterprises at this year’s RSA Conference in San Francisco at booths #4214, #4221 and #1535.

Real-time threat intelligence is an essential component of a business’s cyber resilience strategy. Further to the findings from the [2022 BrightCloud Threat Report](#), new quarterly findings released today from [BrightCloud® Threat Intelligence](#) show:

- 1122% increase in phishing in the first quarter of 2022 compared to 2021 Q1 phishing numbers, indicating a buck in the trend of hackers taking holiday in Q1;
- For the first time, Instagram broke into the top five most impersonated brands for phishing, demonstrating increased targeting of younger users; and
- 36.1% reduction in malware encounters for customers using both endpoint and DNS protection versus only endpoint protection, reinforcing the added efficacy benefit of securing DNS and using layered security.

To ensure [cyber resilience](#), organizations must deploy strong, multi-layered security and data protection policies to prevent, respond, and quickly recover from threats. OpenText has expanded its security offerings with new technology and increased capabilities that enable businesses to confidently power and protect information continuously at the data, application, infrastructure, and edge layers with intelligence and insights across the perimeter and endpoints.

“With security risks escalating worldwide and a persistent state of evolving threats, compromises are inevitable, security remains job number one,” said Mark J. Barrenechea, OpenText CEO and CTO.

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“Through our breadth of OpenText Security Cloud, we make it easier for businesses to increase their cyber resilience posture and protect themselves against threats. And if a vulnerability unfortunately leads to a breach, our solutions enable quick detection, response, and recovery to minimize disruption.”

“Texas Tech University Health Sciences Center, (TTUHSC), a large medical school serving more than 100 counties in the western portion of Texas, needed a trusted partner to help us protect our operations from cyberattacks. OpenText MxDR has been responding to our needs effectively and because it is a 24X7X365 service, our experience has been seamless,” said TTUHSC, ISO, Lane Timmons.

OpenText Security Solutions include new patent pending technology:

- **DNS Leak Prevention** is a new technology that stops rogue DNS requests. This patent-pending innovation leverages the power of BrightCloud Threat Intelligence to identify and block vulnerabilities exposed through DNS including tunneling and data exfiltration attacks. The addition of Leak Prevention to [Webroot DNS Protection](#) provides security operations stronger and more accurate control of DNS despite the challenges presented by encrypted DNS such as DoH (DNS over HTTPS), ensuring users stay protected
- **[OpenText™ Managed Extended Detection and Response \(MxDR\)](#)** is a 100% remote, cloud-based Virtual Security Operations Center supported by Machine Learning and aligned to the MITRE ATT&CK framework. Using AI, advanced workflows, and built-in threat intelligence, it detects hidden threats across all IT vectors in real-time. OpenText MxDR is **now available globally**, either directly or through OpenText’s global network of security partners, enabling enterprises and organizations to discover and respond to threats faster.
- **[Bricata Network Detection and Response \(NDR\)](#)** empowers security teams to lead an informed and proactive defense and response strategy by eliminating network blind spots through unparalleled visibility into network traffic. Recently enhanced with centralized management and investigation capability for Bricata Management, the system allows for a unified view for large enterprises and MSSP customers across distributed environments.
- **[OpenText EnCase Endpoint Security](#)** has recently been awarded a patent for its powerful approach to threat detection. This patent confirms the unique ability to leverage Indicators-of-Compromise and behavioral techniques to build and modify detection rules representing complex security definitions.

The OpenText Security Cloud helps companies modernize, power, and protect their cloud environments, networks, endpoints, servers, and email systems.

[Join us](#) at RSA Conference, June 6-9, 2022.

OpenText World EMEA 2022 To Showcase Innovations Enabling The Information Advantage™

7 June 2022

OpenText™ unveiled the programming highlights for OpenText World EMEA 2022, the Europe, Middle East and Africa (EMEA) edition of the world’s largest information management conference. The interactive event will be hosted live from the Allianz Arena – the home of FC Bayern Munich – on June 21-22, and [registration is now open](#).

OpenText World 2022 brings together leading information management experts, guest speakers, strategic partners and industry professionals to discuss solutions for today’s toughest business challenges. Keynotes from OpenText CEO & CTO Mark J. Barrenechea, Chief Product Officer Muhi

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Majzoub, and Deepak Chopra, world-renowned author and alternative medicine advocate, will be center stage for two days of interactive dialogue and learning.

“It is clear that digital fabrics are enabling organizations to scale, be global, and to adapt to rapidly changing market requirements,” said Mark J. Barrenechea, OpenText CEO & CTO. “The OpenText Cloud is helping customers be Intelligent, Connected and Responsible, to support growth that is both inclusive and sustainable. We plan to showcase at OpenText World EMEA 2022 a great acceleration of our edge and business cloud platforms, and new programs to help our customers turn these amazing innovations into value and gain the Information Advantage.”

A highlight of the event will be a keynote from Mark J. Barrenechea, who will offer insights on how the constantly evolving rules for business in the new digital fabric are shaping automation, talent, supply chains and frictionless businesses, and how the future of growth needs to be inclusive and sustainable.

Mr. Barrenechea will be joined by Christian Klein, CEO and Member of the Executive Board of SAP SE, for a discussion on the long-standing partnership between OpenText and SAP and how its success is built on many shared values including customer-centricity, sustainability, and diversity. The two will also reflect on how cloud-based innovations in information management are advancing the world’s largest organizations in their digital transformations to drive top and bottom-line growth.

Other event highlights include:

- A keynote from Chief Product Officer Muhi Majzoub, who will:
 - Offer insights into a number of key industry trends driving OpenText innovations for powering modern work, digitizing supply chains, creating communication-centric experiences, building a safer world and unleashing developer creativity
 - Share a product roadmap that will illuminate how companies can discover their information advantage
 - Welcome Chris Adamkowski, Head of Strategic Enterprise Sector, Google, for a discussion on the growing strength of the Google and OpenText partnership.
- Deepak Chopra, New York Times bestselling author and founder of The Chopra Foundation will keynote OpenText World EMEA, inviting delegates to consider information advantage in an inclusive world. Deepak will also provide practical tools to navigate the current environment by taking them on a journey to wake up to new levels of awareness that will ultimately cultivate a clear vision, heal suffering in the mind and body, and help recover who we really are.
- Guest client speakers who will share ideas and experiences for using information management technology to drive growth in their organizations, including:
 - Thorsten Camin, Corporate Vice President, Henkel
 - Carsten Trapp, Head of Corporate Information Technology, Carl Zeiss AG
 - Angel Donchev, Vice President and Platform Tech Lead, Maersk.
- An Innovations Demo Showcase hosted by Stephen Ludlow, SVP Product Management, and the OpenText Product Management team. Plus, breakout sessions for technology and product updates across Content Services, Business Network, Digital Experience, Security and Developer.
- Panel discussions with the OpenText executive leadership team and Turbo-Talks with OpenText’s sales leaders discussing relevant points from the day’s keynotes.
- Customized track topics offering technical and business value deep dives into key subject areas tailored to customer communities.

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- Industry and regional forums that will dive deep into the market trends, challenges, and areas of strategic investment that matter most to organizations across EMEA.
- Interactive labs providing an opportunity to experience the latest OpenText innovations, complete training courses, and contribute to product roadmaps.
- Roving reporter Delphine Theolier, Senior Director, Marketing at OpenText, will take audience members with her as she explores the Allianz Arena!

Registration is now open, and the full agenda for [OpenText World EMEA 2022](#) is now live. Join us and discover your information advantage.

TECHNIA Announce Online Event Series Simulation Innovation Forum 2022

7 June 2022

TECHNIA, the #1 knowledge leaders in PLM and Engineering, announced that the Simulation Innovation Forum (SIMIF) is evolving into a series of online, bite-sized advanced simulation events.

This series of online events is free to attend, welcoming all organizations interested in learning how simulation can be used to overcome some of the most common product development challenges and drive innovation.

From electromagnetics to integrated modeling and simulation (MODSIM), TECHNIA experts will share their specialist knowledge and experience in a series of focused seminars and workshops.

The opening session will focus on the benefits and possibilities of EM simulation. By improving your product development workflow, performing more simulation activities, you can achieve a more cost-effective, sustainable, and efficient workflow.

“The true value of simulation tools is their capacity to uncover exceptional innovation potential. Our experience in this area tells us that integrated, advanced simulation is central to long-term product innovation and business growth.”

Magnus Falkman

Chief Executive Officer | TECHNIA

“There are so many useful applications for simulation tools, and that’s why we’ve decided to present this year’s Simulation Innovation Forum as a series of focused events. Most companies have it high on their agenda to create and develop better, more sustainable products. Simulation has a very important role to play in making this happen.”

Johan Kölfors

Director Simulation | TECHNIA

The Simulation Innovation Forum Series 2022 is planned to include:

- 8th June | [Electromagnetic Simulation](#)
- 14th June | [MODSIM: A Product Development Philosophy](#)
- 16th June | [SOLIDWORKS & SIMULIA Integration](#)
- 21st June | [3DEXPERIENCE.Works: Transforming Product Innovation](#)
- 28th Sept | Dymola
- TBC | Electric Vehicle

- TBC | Life Sciences

Visit simif.org to register today.

ZWSOFT Presented its Powerful All-in-One CAx Solutions at Hannover Messe 2022 in Germany

2 June 2022

ZW3D and ZWCAD presented by ZWSOFT had drawn widespread attention from May 30 to June 2 at the long-awaited Hannover Messe 2022, one of the world's largest trade fairs and the home of industrial pioneers.

With over 6,000 exhibitors presenting cutting-edge innovations across manufacturing, digital ecosystems, automation, motion & drives, and energy solutions, Hannover Messe has brought trends, knowledge transfer and intersectoral collaboration to every attendee.

During the 4 days of exhibition, ZWSOFT had made a great presence to deliver the value of all-in-one CAx products and build a solid connection with international designers, engineers and investors from core industrial sectors.

Visitors were invited to try ZW3D and ZWCAD and experience the all-in-one CAx solutions in depth. Many of them were impressed by ZW3D's competitive and efficient features that cover CAD/CAM/CAE in the workflow of designing, engineering, and manufacturing.

Committed to providing industry solutions to reduce costs and increase efficiency for users, ZWSOFT is pleased to introduce ZW3D and ZWCAD with full details and on-site demonstrations. Our CAD/CAM/CAE solutions gain wide recognition from visitors with easy-to-use commands, a familiar interface, and strong DWG compatibility.

Financial News

American Software Reports Fourth Quarter and Fiscal Year 2022 Results

8 June 2022

American Software, Inc. reported preliminary financial results for the fourth quarter and fiscal year 2022.

Key Fourth Quarter Financial Highlights:

- Subscription fees were \$11.1 million for the quarter ended April 30, 2022, a 37% increase compared to \$8.1 million for the same period last year, and software license revenues were up 153% to \$3.1 million compared to \$1.2 million for the same period last year.
- Cloud Services Annual Contract Value (ACV) increased approximately 26% to \$48.2 million for the quarter ended April 30, 2022 compared to \$38.3 million during the same period of the prior year.
- Total revenues for the quarter ended April 30, 2022 increased 21% to \$34.6 million, compared to \$28.6 million for the same period of the prior year.
- Recurring revenue streams for Maintenance and Cloud Subscriptions were \$19.8 million or 57% of total revenues in the quarter ended April 30, 2022 compared to \$17.3 million or 60% in the same period of the prior year.
- Maintenance revenues for the quarter ended April 30, 2022 decreased 5% to \$8.8 million

CIMdata PLM Industry Summary

compared to \$9.2 million for the same period last year.

- Professional services and other revenues for the quarter ended April 30, 2022 increased 16% to \$11.7 million compared to \$10.1 million for the same period last year. For the Supply Chain business, professional services revenues for the quarter ended April 30, 2022 increased by 11% to \$6.0 million when compared to \$5.4 million in the same period prior year.
- Operating earnings for the quarter ended April 30, 2022 increased 186% to \$5.5 million compared to \$1.9 million for the same period last year.
- GAAP net earnings for the quarter ended April 30, 2022 increased 17% to \$3.6 million or \$0.10 per fully diluted share compared to \$3.1 million or \$0.09 per fully diluted share for the same period last year.
- Adjusted net earnings for the quarter ended April 30, 2022, which excludes non-cash stock-based compensation expense and amortization of acquisition-related intangibles, increased 22% to \$4.4 million or \$0.13 per fully diluted share compared to \$3.6 million or \$0.11 per fully diluted share for the same period last year.
- EBITDA increased by 109% to \$6.4 million for the quarter ended April 30, 2022 compared to \$3.1 million for the same period last year.
- Adjusted EBITDA increased by 101% to \$7.5 million for the quarter ended April 30, 2022 compared to \$3.7 million for the same period last year. Adjusted EBITDA represents GAAP net earnings adjusted for amortization of intangibles, depreciation, interest (loss)/income & other, net, income tax expense and non-cash stock-based compensation expense.

Key Fourth Quarter of Fiscal Year 2022 highlights:

Customers & Channels

- Notable new and existing customers placing orders with the Company in the fourth quarter include: Ariela & Associates International, Bemis Manufacturing Company, Bondi Sands Australia Pty Ltd., Diversey, Inc., Polar Electro OY, Timex Group USA, Inc., Vista Outdoors, Workwear Outfitters, LLC.
- During the quarter, SaaS subscription and/or software license agreements were signed with customers located in the following 9 countries: Australia, Belgium, Canada, Denmark, France, Mexico, Sweden, United Kingdom and United States.
- Logility, Inc., a wholly owned subsidiary of American Software, Inc., continues to grow its market share in the apparel industry with the addition of Next Level Apparel® and stichd to its customer community.
- Next Level Apparel – one of the leading wholesale producers and sellers of premium quality blank apparel in the United States – implemented the Logility® Digital Supply Chain Platform to modernize its demand and inventory planning processes.
- stichd, a Netherlands-based product licensing company and division of PUMA, specializes in the design, production and distribution of high-quality bodywear, legwear, swimwear, and fanwear. The company selected Logility to support its ambitious growth strategy.

Key Fiscal 2022 Year to Date Financial Highlights:

- Subscription fees were \$42.1 million for the twelve months ended April 30, 2022, a 46% increase compared to \$28.9 million for the same period last year, while Software license revenues were \$5.4 million compared to \$3.0 million for the same period last year.

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- Total revenues for the twelve months ended April 30, 2022 increased 14% to \$127.6 million compared to \$111.4 million for the same period last year.
- Recurring revenue streams for Maintenance and Cloud Services were \$78.7 million and \$68.8 million or 62% of total revenues for the twelve-month periods ended April 30, 2022 and 2021, respectively.
- Maintenance revenues for the twelve months ended April 30, 2022 were \$36.6 million, a 8% decrease compared to \$40.0 million for the same period last year.
- Professional services and other revenues for the twelve months ended April 30, 2022 increased 10% to \$43.5 million compared to \$39.6 million for the same period last year.
- For the twelve months ended April 30, 2022, the Company reported operating earnings of approximately \$13.2 million compared to \$4.4 million for the same period last year, a 202% increase.
- GAAP net earnings were approximately \$12.8 million or \$0.37 per fully diluted share for the twelve months ended April 30, 2022, a 58% increase compared to \$8.1 million or \$0.24 per fully diluted share for the same period last year.
- Adjusted net earnings for the twelve months ended April 30, 2022, which exclude stock-based compensation expense and amortization of acquisition-related intangibles, increased 48% to \$16.0 million or \$0.47 per fully diluted share, compared to \$10.8 million or \$0.33 per fully diluted share for the same period last year.
- EBITDA increased by 73% to \$17.3 million for the twelve months ended April 30, 2022 compared to \$10.0 million for the same period last year.
- Adjusted EBITDA increased 70% to \$21.3 million for the twelve months ended April 30, 2022 compared to \$12.5 million for the twelve months ended April 30, 2021. Adjusted EBITDA represents GAAP net earnings adjusted for amortization of intangibles, depreciation, interest income & other, net, income tax expense and non-cash stock-based compensation.

The overall financial condition of the Company remains strong, with cash and investments of approximately \$127.5 million, an increase of approximately \$22.9 million when compared to April 30, 2021. During the fourth quarter of fiscal year 2022, the Company paid shareholder dividends of approximately \$3.7 million.

“With continued strain on the global supply chain, this past year truly underscored the need companies have for more accurate demand forecasting, inventory optimization and resilient sourcing strategies. We continue to answer this call, focusing our efforts on delivering innovative solutions to market challenges and providing our customers with greater visibility into their supply chains from end to end,” said Allan Dow, CEO and President of American Software. “We provided dynamic solution updates to our customer community, driving greater efficiency, cost savings and opportunities to improve sustainability.”

“Our revenue growth accelerated to 21% in the fourth quarter of fiscal year 2022 and our Cloud revenue increased 37% increase when compared to the same period last year. We are excited that our fiscal year 2022 revenue grew 14% when compared to the prior year to a Company record of \$127.6 million,” continued Dow. “As our revenue is increasingly being driven by recurring subscription and maintenance revenues, we are pleased to institute annual financial targets for our fiscal year 2023.”

Fiscal Year 2023 Financial Outlook

CIMdata PLM Industry Summary

- Total revenues of \$132.5 million to \$135.0 million, including total recurring revenues of \$86.5 million to \$89.0 million.
- Adjusted EBITDA of \$16.0 million to \$18.0 million based on investments for growth and employee retention.

Company and Technology

- Allan Dow was recognized by Food Logistics as a 2022 Rock Star of the Supply Chain. The annual award program recognizes influential individuals in the industry whose achievements, hard work and vision have shaped the global cold food supply chain.
- Logility also announced its latest software release, which supports elevated planning across the product life cycle, from concept to delivery. Logility 21.03 builds on the platform's comprehensive supply chain planning capabilities with additional functionality to enable transparency throughout the product life cycle. These enhancements further Logility's mission to help its customers optimize their supply chains and commit to their sustainability goals.

GLOBAL SEMICONDUCTOR EQUIPMENT BILLINGS GROW 5% YEAR-OVER-YEAR IN Q1 2022, SEMI REPORTS

1 June 2022

Global semiconductor equipment billings grew 5% year-over-year to US\$24.7 billion in the first quarter of 2022, SEMI announced today in its Worldwide Semiconductor Equipment Market Statistics (WWSEMS) Report. Quarter-over-quarter billings in the seasonally soft first quarter declined 10%.

“Year-over-year first quarter equipment revenue growth is in sync with positive forecasts for 2022 as the semiconductor industry continues its robust increase of fab capacity,” said Ajit Manocha, SEMI president and CEO. “North America and Europe logged healthy quarter-over-quarter rises in equipment spending as they intensify efforts to bolster domestic chipmaking.”

Compiled from data submitted by members of SEMI and the Semiconductor Equipment Association of Japan (SEAJ), the Worldwide SEMS Report is a summary of the monthly billings figures for the global semiconductor equipment industry.

Following are quarterly billings data in billions of U.S. dollars with quarter-over-quarter and year-over-year changes by region:

Region	1Q2022	4Q2021	1Q2021	1Q (QoQ)	1Q (YoY)
China	7.57	8.18	5.96	-7%	27%
Korea	5.15	5.49	7.31	-6%	-29%
Taiwan	4.88	6.86	5.71	-29%	-15%
North America	2.62	2.30	1.34	14%	96%
Japan	1.90	2.27	1.66	-16%	15%
Rest of World	1.29	1.23	1.02	5%	27%
Europe	1.28	1.09	0.58	18%	119%
Total	24.69	27.41	23.57	-10%	5%

CIMdata PLM Industry Summary

Sources: SEMI (www.semi.org) and SEAJ (www.seaj.or.jp), June 2022

Note: Summed subtotals may not equal the total due to rounding.

The SEMI Equipment Market Data Subscription (EMDS) provides comprehensive market data for the global semiconductor equipment market. The subscription includes three reports:

- Monthly SEMI Billings Report, a perspective on equipment market trends
- Monthly Worldwide Semiconductor Equipment Market Statistics (WWSEMS), a detailed report of semiconductor equipment billings for seven regions and 24 market segments
- SEMI Semiconductor Equipment Forecast, an outlook for the semiconductor equipment market

Hewlett Packard Enterprise reports fiscal 2022 second quarter results

1 June 2022

Hewlett Packard Enterprise announced financial results for the second quarter, ended April 30, 2022.

“Persistent demand led to another quarter of significant order growth and higher revenue for HPE, underscoring the accelerating interest customers have in our unique edge-to-cloud portfolio and our HPE GreenLake platform,” said Antonio Neri, president, and CEO of Hewlett Packard Enterprise. “I am optimistic that demand will continue to be strong, given our customers’ needs to accelerate their business resilience and competitiveness. We remain focused on innovating for our customers and on executing with discipline so that we translate that demand into profitable growth for HPE.”

“We are particularly pleased with the resiliency of our gross margins despite the inflationary environment and ongoing supply chain disruptions,” said Tarek Robbiati, EVP and CFO of Hewlett Packard Enterprise. “With record levels of high-quality backlog, we are well positioned for growth in FY22 and beyond, and confident in realizing the financial commitments we set at our Securities Analyst Meeting last October.”

Second Quarter Fiscal Year 2022 Results

Net revenue of \$6.7 billion, up 0.2% and 1.5% adjusted for currency² from the prior-year period and in line with outlook.

Annualized revenue run-rate (“ARR”)⁴ of \$829 million, up 25%² from the prior-year period and total as-a-Service orders¹ were up 107% from the prior-year period, marking the third consecutive quarter of orders doubling. We remain confident in delivering our 2021 Securities Analyst Meeting ARR guidance of 35%-45% Compounded Annual Growth Rate from fiscal year 2021 to fiscal year 2024.

GAAP gross margin of 32.4%, down 170 basis points from the prior-year period, primarily due to \$105 million of Russia-related charges, and non-GAAP gross margin of 34.2%, down 10 basis points from the prior-year period, driven by disciplined execution and pricing actions.

GAAP diluted net EPS was \$0.19, flat from the prior-year period and in line with our previously provided outlook of \$0.18 to \$0.26 per share.

HPE announced in February that we stopped all shipments to and sales in Russia and Belarus. During the second quarter of 2022, we recorded total charges of \$126 million related to the Russia conflict’s impact on our business. Based on further assessment of business risks and needs, we have determined that it is no longer tenable to maintain operations in Russia and Belarus and are proceeding with an orderly, managed exit of our remaining business in these countries. We expect to record additional charges in the third quarter of fiscal 2022 related to our decision to exit Russia and Belarus, but do not expect these charges to be material.

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Non-GAAP diluted net EPS was \$0.44, compared to \$0.46 in the prior-year period and near the midpoint of our outlook range of \$0.41 to \$0.49 per share. Second quarter non-GAAP net earnings and non-GAAP diluted net EPS exclude after-tax adjustments of \$333 million and \$0.25 per diluted share, respectively, primarily for Russia related disaster charges, stock-based compensation expense, transformation costs, and the amortization of intangible assets.

Cash flow from operations of \$379 million, down \$443 million from the prior-year period.

Free cash flow of (\$211) million, down \$579 million from the prior-year period reflecting normal seasonality and strategic working capital actions due to strong customer demand.

Segment Results

- Intelligent Edge revenue was \$867 million, up 8% from the prior-year period in actual dollars and 9% when adjusted for currency, with 12.6% operating profit margin, compared to 15.7% in the prior-year period. Aruba Services revenue was up double-digits from the prior-year period and Intelligent Edge as-a-Service ARR⁴ was up 50%+ from the prior-year period.
- High Performance Computing & Artificial Intelligence (“HPC & AI”) revenue was \$710 million, up 4% from the prior-year period in actual dollars and 5% when adjusted for currency, with (5.6%) operating profit margin, compared to 2.6% from the prior-year period. The operating loss was driven by supply constraints and delayed customer acceptances. We remain on track to exceed the expected 11% market CAGR from FY21-24.
- Compute revenue was \$3.0 billion, flat from the prior-year period in actual dollars and up 1% when adjusted for currency, with 13.9% operating profit margin, compared to 11.2% from the prior-year period. Margin expansion was driven by strategic pricing actions more than offsetting input cost increases.
- Storage revenue was \$1.1 billion, down 3% from the prior-year period in actual dollars and 2% when adjusted for currency, with 12.6% operating profit margin, compared to 16.8% from the prior-year period reflecting higher supply chain costs and unfavorable mix shift.
- Financial Services revenue was \$823 million, down 2% from the prior-year period in actual dollars and flat when adjusted for currency, with 12.6% operating profit margin, compared to 10.8% from the prior-year period. Net portfolio assets of approximately \$12.6 billion, down 4% from the prior-year period or up 1% when adjusted for currency. The business delivered return on equity of 20.4%, up 2.1 points from the prior-year period, well above pre-pandemic levels.

Fiscal 2022 third quarter outlook:

Hewlett Packard Enterprise estimates GAAP diluted net EPS to be in the range of \$0.22 to \$0.32 and non-GAAP diluted net EPS to be in the range of \$0.44 to \$0.54. Fiscal 2022 third quarter non-GAAP diluted net EPS estimates exclude after-tax adjustments of approximately \$0.22 per diluted share, primarily related to, transformation costs, stock-based compensation expense and the amortization of intangible assets.

Fiscal 2022 outlook:

Hewlett Packard Enterprise updates GAAP diluted net EPS outlook of \$1.17 - \$1.31 and full-year FY22 non-GAAP diluted net EPS outlook to the original outlook provided at our 2021 Securities Analyst Meeting of \$1.96 to \$2.10. Fiscal 2022 non-GAAP diluted net EPS estimates exclude after-tax adjustments of approximately \$0.79 per diluted share, reflecting a charge related to Russia and Belarus, transformation costs, stock-based compensation expense and the amortization of intangible assets.

Reiterates free cash flow³ guidance of \$1.8 to \$2.0 billion.

Implementation Investments

AECOM awarded contract by the Government of Canada to perform remediation plan design and support services for the Faro Mine Remediation Project

6 June 2022

AECOM, the world's trusted infrastructure consulting firm, announced it has been awarded a contract by Public Services and Procurement Canada on behalf of Crown-Indigenous Relations and Northern Affairs Canada to perform remediation plan design and quality assurance support services for the Faro Mine Remediation Project. In this role, AECOM will work with the Government of Canada, affected First Nations, and additional consultants and partners to deliver environmental remediation services for Faro Mine, one of the most complex abandoned mine clean-up projects in Canada. AECOM's contract will run through March 2024 with possible extensions.

"Our team has been involved in the Faro Mine remediation for over fifteen years and we're enormously honored to expand our partnership with the Government of Canada to help deliver this critical work, protecting our environment and restoring traditional territory for the surrounding communities," said Marc Devlin, chief executive of AECOM's Canada region. "I'm particularly pleased this work will be performed with the support of the Ross River Dena Council, allowing us to continue to provide Indigenous opportunities and initiatives to the community. We're excited to be a part of another pivotal project in Canada's history."

AECOM and its partners will provide engineering services for an overall "stabilize-in-place" remediation approach, including decommissioning, removing mine infrastructure, and managing contaminated and treated water. The project's key objectives are to protect human health and safety; safeguard the environment, including land, air, water, fish, and wildlife; maximize local and Yukon socioeconomic benefits; manage long-term site risk in a cost-effective manner; and return the mine site to an acceptable state of use that reflects pre-mine land use, where possible.

"Once the largest open pit lead-zinc mine in the world, safely and effectively addressing Faro Mine is vital to the environmental, socioeconomic, and human health of the area," said Frank Sweet, chief executive of AECOM's global Environment business. "As we continue to advance our *Sustainable Legacies* strategy, we're proud to demonstrate our commitment to Northern Canada through our work on essential environmental remediation projects such as this. We're thrilled to bring together a world class team with global resources, previous site experience, and unmatched technical expertise to hit the ground running on this crucial work."

AECOM has assembled a team comprised of Tetra Tech, Okane, SRK, and Hemmera to support the project. Each organization has extensive experience at Faro Mine, bringing a collective capability, consistency, and continuity to the project to help mitigate risks and maximize solutions.

AECOM to provide consulting services for the Uganda-Democratic Republic of Congo Power Interconnection Line project

31 May 2022

AECOM, the world's trusted infrastructure consulting firm, announced it has been awarded a contract to provide consulting services for the Uganda-Democratic Republic of Congo Power Interconnection Line project. This work was awarded by the Nile Equatorial Lakes Subsidiary Action Program Coordination Unit on behalf of the governments of Uganda and the Democratic Republic of Congo. In this role,

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AECOM will assess the overall feasibility of a proposed transmission line from western Uganda to eastern Democratic Republic of Congo.

AECOM's project scope includes delivering a feasibility report in addition to detailed design and tender documents that examine the technical and economic viability of the proposed transmission line. Currently, parts of the region rely on main load centers supplied by small diesel generators. The Uganda-Democratic Republic of Congo Power Interconnection Line aims to connect these regions to the national grid, providing a less expensive, reliable, and secure power supply. AECOM conducted an initial feasibility study for this work in 2013.

"We're excited to partner with the Nile Basin Initiative, building upon our important previous work to help make the Uganda-Democratic Republic of Congo Power Interconnection Line a reality. With the rich renewable energy potential in the Nile Basin, this work will help bolster the region's energy grid economy," said Joseph Salim, senior vice president with AECOM. "We're proud of our strong presence in Africa, which spans nearly a century, and remain committed to improving the continent's built, natural, and social environments. We look forward to leveraging best practices from our extensive portfolio in power transmission and distribution infrastructure to deliver this vital work."

Project objectives include assessing existing and future power sector development in the region; recommending appropriate rural electrification along the proposed route; reviewing organization and institutional frameworks for the construction, ownership, and operation of the line; exploring possible climate change risks to the project and proposed mitigation measures; and estimating the impact of the interconnection on the countries' carbon footprints, specifically greenhouse gas emission reduction that will accrue from the transmission line.

The Nile Equatorial Lakes Subsidiary Action Program aims to contribute to the eradication of poverty, promote economic growth, and reverse environmental degradation in the region. It is one of two investment programs under the Nile Basin Initiative, a regional intergovernmental partnership between ten Nile Basin states to manage and develop water and related resources in a cooperative manner, share substantial socioeconomic benefits, and promote regional peace and security.

Aurigo Software partners with the cities of Colorado Springs, St. Petersburg, and Pearland to deliver key infrastructure programs

8 June 2022

Aurigo Software, North America's leading capital planning and construction management software provider, announced it has entered into contracts with the cities of Colorado Springs (Colorado), St. Petersburg, (Florida), and Pearland (Texas) to implement Masterworks, the company's flagship cloud platform. The software will help manage the cities' capital improvement programs, which are expected to expand over the next decade with the passing of last year's bipartisan Infrastructure Investment and Jobs Act.

"The public sector is adopting digital technologies to streamline their operations and provide more reliable outcomes to their constituents," said Josh Moriarty, Aurigo's Vice President of Customer Success. "We're honored to work with some of America's finest public works departments to modernize their process and help them deliver their capital assets faster."

Each of the cities sought out a technology provider to support an increased investment in new infrastructure assets, revitalization projects, and repairs. St Petersburg is delivering the largest capital budget in City history that will upgrade water and wastewater systems, improve downtown parking, and help sustain the City's Complete Streets initiative. Colorado Springs, which has seen its population

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increase by about 15 percent over the last decade, is in the middle of a five-year plan that makes critical roadway improvements, upgrades the City's airport facilities, and expands trails and parkland in the area. Pearland's 2022–2026 capital improvement budget of approximately \$471 million will improve drainage systems, street paving and extensions, and community facilities, including an animal shelter, fire stations, and libraries.

Aurigo will work with the three agencies to deliver not only the necessary workflow automation and collaboration tools to support construction activities, but the system will also act as a single repository for capital program data to help officials make quicker decisions based on real-time information. The platform can bring together both internal and external stakeholders on projects to ensure that all parties are working off the same dataset, promoting transparency and public accountability. Masterworks also includes key capabilities to manage schedule, budget, and risk across an agency's capital program lifecycle and integrates with existing enterprise systems where needed.

Colorado Springs, St. Petersburg, and Pearland join Aurigo's growing list of local and regional government clients in public works, transit, and water and wastewater including the cities of Houston, Seattle, and Las Vegas, Dallas Area Rapid Transit, and Tampa Bay Water District. Aurigo is one of only a small number of firms on the StateRAMP Authorized Vendor List and the Masterworks product suite has been available on the Federal Risk and Authorization Management Program (FedRAMP) marketplace since late 2020.

DXC Boosts Connectivity for Space Exploration

8 June 2022

DXC Technology has been awarded a multi-year contract to deliver network and security services to provide the European Space Agency (ESA)'s international workforce of scientists, engineers and IT specialists with scalable and secure network services enabling them to collaborate seamlessly from anywhere on their space activities.

Through the agreement, DXC will contribute to ESA's work to develop Europe's space capability, helping enable missions that study the Universe, explore our Solar System and orbit Earth, obtaining crucial data that allow us to monitor and mitigate the effects of climate change.

DXC will help transform ESA's terrestrial network environment with the latest software-defined network technology designed to improve network scalability, performance, and security. As a result, ESA's global workforce will collaborate more efficiently with colleagues and international partners on some of the world's leading science and exploration missions. In parallel, the implementation of DXC's Platform X, a new data-driven intelligent automation platform, will enable ESA to achieve a state of silent operations for its network and security systems.

"We are proud to extend our successful, 14-year relationship with ESA," said Chris Halbard, EMEA President, DXC Technology. "This is the ultimate example of 'mission-critical' and how a leading global organization relies on our experts and solutions for research which is literally critical to the future of the world."

Filippo Angelucci, ESA's Chief Information Officer, said: "Ensuring reliable core IT services to our user community has helped us operate without interruptions during the Covid-19 crisis. However, the new normal has also accelerated the pace of change within the Agency and the demand for more advanced and secure infrastructure."

"We expect DXC to work with us to further accelerate our IT transformation toward more flexible and secure platforms to support our user communities in their relentless quest for innovative solutions."

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DXC's Global Network Services, including campus and geographical area networks, remote access, network security solutions and services and service management integration via DXC's Platform X, will enable ESA to manage highly complex projects with confidential data to support the next chapter of space exploration and create new markets for space technologies.

DXC Technology to Lead Digital Transformation and IT Modernization for DIRECTV

2 June 2022

DXC Technology, a leading Fortune 500 global technology services provider, has been awarded a multiyear contract to enhance and modernize mission-critical IT systems for DIRECTV, America's leading video entertainment provider. DXC will deliver IT outsourcing services to enhance program management and modernize DIRECTV's infrastructure, enabling the delivery of new and innovative entertainment experiences to its customers.

The agreement is part of the major expansion of a customer relationship that has spanned more than 25 years. The comprehensive, integrated technology effort will support back-office operations, enhance automation and security, retire legacy systems, and reduce costs. The resulting improvements will support the reliability of DIRECTV's billing and customer relationship management systems and the consolidation of data centers with planned migration to the cloud.

"Our work with DXC Technology is helping us modernize and simplify our infrastructure to bring DIRECTV innovative solutions while optimizing our costs and meeting aggressive timelines," said Jennifer Tillson, Chief Information Officer, DIRECTV.

DXC will also provide risk management solutions, testing, storage and backup services. As a result of the expanded relationship, DIRECTV's infrastructure will be even more secure and reliable, driving customer retention and expansion opportunities.

"DXC is proud to be expanding our long-term relationship with DIRECTV and to be a vital partner in their digital transformation and modernization," said Vinod Bagal, president, Cloud and Infrastructure Services, DXC. "We are excited to collaborate with DIRECTV, leveraging Cloud Right™, DXC's industry-leading approach to infrastructure modernization to accelerate their transformation and get more business value from their IT investments."

Fenix Outdoor Adopts Centric PLM™ to Digitally Transform Across Global Brand Portfolio

7 June 2022

Fenix Outdoor, a global leader in the development and sale of equipment and clothing for outdoor activities, 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.

Fenix Outdoor is a group of 5 brand manufacturers and multi-brand retail chains within the outdoor industry. The group formed in the early 2000's after the popular outdoor apparel brand Fjällräven began acquiring other companies, including Hanwag, Primus, Royal Robbins, and Tierra. Fenix sees the people who buy their products as users, not just customers and aims to facilitate great outdoor experiences for them.

Products from Fenix brands can be found in over 100 countries around the world, in Europe, North

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America and Asia. They sell directly to their users through owned brand stores and e-commerce, as well as 5 multi-brand retail chains operating in 6 European markets. Their brands also sell wholesale through owned sales companies in Europe, North America and Asia, and works with external distribution partners in several other global markets.

With Centric PLM, Fenix and its subsidiary textile brands are consolidating the Sourcing & Production functions, which were previously handled 100% individually by each brand.

”Amongst many other things, that meant different PLM systems, which for obvious reasons is not ideal,” says Johan Kallin, Senior Director of Global Sourcing and Production. ”Consolidation of various functions across our brands is a part of the digitalization journey we are currently on.”

Fenix began its evaluation of PLM solutions with 8 different suppliers and spent a considerable amount of time matching system capabilities against their business needs before deciding on Centric PLM. Their decision was not limited to one deciding factor, however system flexibility and the ability to work with a multi-faceted product portfolio, suitable for their complex outdoor offering, was very important to them.

Fenix sees sustainability as a core part of its DNA and business strategy and expect it to be integrated in all its business dealings, particularly IT systems. They expect Centric PLM to help the group and its brands to achieve a better overview and understanding of what is needed to drive sustainability improvements within its products, and in relationships with suppliers.

“In order to gain more transparency into our supply chain, we use different systems to trace our products from manufacturing all the way down to the fiber crop and to calculate our impact. We are increasingly required to fulfil governmental demands for traceability, transparency and accurate data metrics. Therefore, we expect Centric PLM to allow for different API connections to systems we already use such as the Higg Index, Trustrace and others, as well as to monitor our sustainability KPI’s within a dashboard which is connected to products and suppliers,” adds Kallin.

Chris Groves, President and CEO of Centric Software, comments, “We can’t express enough how thrilling it is to be part of Fenix Outdoor’s digital transformation on such a large-scale rollout. We can’t wait to see what the future brings for the group and their brands.”

KH Neochem Selects Aspen Technology Software to Accelerate Digitalization for the Self Optimizing Plant

2 June 2022

Aspen Technology, Inc., a global leader in industrial software, announced that a leading Japanese chemical producer, KH Neochem Co., Ltd. (TSE 4189) has selected Aspen DMC3™ advanced process control software with patented adaptive process control to accelerate the digital transformation journey across its network of plants.

Hideo Kurokawa, Corporate Officer, Head of Production Planning and Engineering, KH Neochem said: “KH Neochem has chosen to standardize on Aspen DMC3 software, following a competitive review, to achieve operational excellence by automatically calibrating models to changing operating conditions in the company’s plants. With the deployment of Aspen DMC3, KH Neochem can accelerate towards the autonomous chemical plant with simultaneous process optimization and testing technology.”

Lawrence Ng, Vice President of Sales, Asia Pacific Japan, Aspen Technology, added: “We are pleased that KH Neochem has chosen Aspen DMC3™ to both achieve increased productivity and mitigate process variability in specialty chemicals. With the acceleration of digitalization, capital-intensive companies can focus on achieving sustainability objectives – such as reducing emissions, energy

consumption and waste.”

Aspen DMC3 software enables the adoption of a scalable and sustainable approach via its patented adaptive process control technology. This allows the intelligent plant to respond automatically, achieve real-time agility and maximize performance in a seamless yet robust manner. With the ability to accelerate deployments, process manufacturers can achieve benefits faster, improve ROI and enhance overall performance.

LogoMotive accelerates business processes with CONTACT Software

7 June 2022

The engineering service provider for rail vehicles uses CONTACT Elements to enable end-to-end processes and thus improve collaboration across different departments and systems.

LogoMotive’s engineers are mechanical experts for rail and special vehicle construction. They convert vehicles, develop and design new ones, modernize and optimize, analyze damage and develop repair concepts, accompany main inspections, carry out tests, and manage approval. LogoMotive offers solutions with substantial added value. This results in rail and special vehicles that combine operating efficiency, safety, and ride comfort.

In order to position itself for the future and quickly react to increasingly complex customer requirements, LogoMotive now uses CONTACT Elements to integrate its various CAD, CAE, and PDM systems on a central platform. In addition to the extensive scalability and intuitive user interface of CONTACT Elements, the flexible licensing system was a decisive factor in LogoMotive’s decision.

The new platform solution provides a consistent database across departments: from sales to engineering and controlling all the way to management. This allows LogoMotive to ensure frictionless interaction of its employees and systems according to the “single source of truth” principle.

As part of a "train the trainer" concept, CONTACT qualifies some LogoMotive employees as key users. After the initial setup, they can independently adapt and update basic components of the CONTACT Elements solution. The full functionality, which includes digital project cost management and simulation data management, is to be implemented by the beginning of 2023.

"For us, CONTACT Elements meets all the requirements for a modern digital workspace," says Andreas Hofmann, head of design at LogoMotive. "We can react quickly and flexibly to future updates and adaptations to further advance our LogoMotive digital strategy."

Petrobras Accelerates Toward Automation and Internal Customer Experience with Support from Wipro and ServiceNow

8 June 2022

Wipro Limited, a leading global information technology, consulting, and business process services company, together with [ServiceNow](#), announce that they will contribute to Petrobras, the largest publicly traded company in Brazil and one of the largest oil, natural gas and derivatives exploration, production and distribution companies in the world, to advance its digital journey.

The project aims to raise the level of service for internal users and reduce costs by modernizing and aligning IT infrastructure processes with the business through a modern cloud solution focused on automation and integration. The project scope is related to maintaining IT assets, systems updates, and digitizing processes.

“We want to ensure that the volume of information generated by the company's operations is processed

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even more intelligently and safely, contributing to decision-making in an agile and assertive manner. Petrobras' investment in digital transformation and innovation, which aims to add value to the business, also meets the company's demand for digitalization of corporate processes," said executive ICT manager at Petrobras, Marcelo Carreras.

Douglas Silva, Vice President and Country Manager, Brazil, Wipro Limited said: "We are very excited to be able to collaborate with the modernization of IT processes at Petrobras, one of the largest conglomerates in the world. We want to help the company in its mission to drive digital transformation through Hyper-automation which is the union of technologies for process automation through tools such as artificial intelligence and machine learning, in addition to significantly improving the experience of its employees."

The Wipro solution will also provide greater availability of technology infrastructure, visibility, and cost control of IT assets, supporting the long-term growth of Petrobras' business.

PURDUE UNIVERSITY - POLYTECHNIC INSTITUTE AND PROSTEP PARTNER TO POWER AND EXTEND INTEGRATION SOLUTIONS FOR MANUFACTURING RESEARCH AND EDUCATION

6 June 2022

PROSTEP, the leading vendor-neutral integration, migration, data exchange, and consulting solutions provider for PLM various industries, extends its expertise to provide data interoperability between systems. PROSTEP's OpenPDM, a highly advanced, vendor neutral, industry standard integration platform, provides automated integration between PLM system SIEMENS Teamcenter and Manufacturing Execution System (MES) from iBASEt, Solumina, by automatically syncing items and bill-of-materials (BOM). OpenPDM streamlines Purdue's IN-MaC implementation of PDM and MES tools in their laboratory preparations for upcoming integrations and allows for future PLM systems such as Teamcenter to easily integrate into Purdue's existing ecosystem.

The solution will be deployed at Purdue's Indiana Manufacturing Competitiveness Center (IN-MaC), which houses the Intelligent Manufacturing Testbed. "We created the Testbed to conduct research around the application of digital technologies to the transformation of manufacturing methods and tools", says Dr. Nathan Hartman, Dauch Family Professor of Advanced Manufacturing and Co-Executive Director of IN-MaC. Showcasing next generation digital solutions that overcome the barriers to digital connectivity and the challenges of Industry 4.0 interoperability are fundamental pillars of the Testbed, which is used to conduct research and technology demonstrations to support the 'interconnected enterprise' and a digital manufacturing ecosystem.

"PROSTEP is excited to be an educational partner and part of digital transformation solutions addressed at Purdue's IN-MaC. PROSTEP solutions not only assist in educating students about the complex challenges of digital integration, but also displays to manufacturers and companies the endless possibilities and value of our integration and data exchange solutions to modern technologies" says Courtney Rainey, Key Account Manager at PROSTEP, Inc.

Qinhai Food Ramps up R&D Efficiency with Centric PLM™

9 June 2022

Qinhai (Shanghai) Food Co., Ltd., the plant-based food 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

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goods, furniture, home décor, cosmetics, food & beverage and luxury to achieve strategic and operational digital transformation goals.

Founded in 2020, Qinhai (Shanghai) Food Co., Ltd. is a market leader in the Chinese food industry that specializes in the development, production and retail of plant-based products that meet high customer expectations in terms of raw materials, process and quality.

Qinhai Food offers a wide range of products, and recognized the need to establish standardized and centralized systems for managing product data and R&D. They selected Centric Food and Beverage PLM to build a digital platform for product development and management.

“We believe it is necessary to collect data in a systematic manner before standardizing the entire R&D process and data standards,” says Ms. Zhou Ning, R&D Director of Qinhai Food. “This is a new area of food technology, important in a market in a high state of flux. Centric PLM will help us to accommodate to changes in consumer tastes, supply chains and regulatory standards while also facilitating our future growth.”

As Ms. Zhou elaborates, “Centric Software has a wealth of experience in the food industry at home and abroad, which left an indelible impression on us and got us thinking more about PLM planning. This is why we decided to collaborate with Centric Software to achieve R&D digitalization.”

The primary goals of the PLM project are to ensure data standardization, collect basic data, identify and streamline R&D processes and also to set up project management models. Qinhai Food plans to establish a “market + product” dual-drive development model that uses PLM to respond rapidly throughout the business chain to shorten the R&D cycle, build core product competitiveness, and ultimately achieve its strategic goals.

“The whole Centric team is professional and efficient, with an impressive mix of industry leaders and successful experience,” concludes Ms Zhou. “This is a rare opportunity for Qinhai Food, and I look forward to the project results.”

“We are very pleased that Qinhai Food has placed their trust in Centric Software,” says Chris Groves, President and CEO of Centric Software. “We are excited about working with Qinhai Food at this crucial point in their business development to revolutionize R&D processes and pursue their strategic objectives.”

SL Green Adopts IBM Technology to Operationalize Sustainability Initiatives Across Extensive NYC Real Estate Portfolio

2 June 2022

IBM and SL Green Realty Corp., Manhattan's largest office landlord, announced that SL Green is leveraging IBM sustainability software to help advance their company's environmental, social and governance (ESG) strategy. SL Green will use software from [Envizi](#), an IBM Company, to better understand and report on its environmental initiatives, identify opportunities for greater efficiency and further drive sustainability across its extensive real estate operations.

As the largest owner of office real estate in New York City, [SL Green](#) is focused on effectively managing its portfolio of Manhattan commercial properties, with interest in more than 70 buildings totaling 34.9 million square feet. In the face of climate change and quickly evolving societal challenges, SL Green is committed to a broad set of sustainability initiatives and goals – from environmental efforts such as optimizing energy, water and waste management, to sustainable development of new properties, and programs to benefit the health and safety of both tenants and the local community. In 2021, SL

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Green aligned with the Urban Land Institute (ULI) Net Zero by 2050 goal of carbon neutral building operations and remains committed to setting a Science-Based Target for greenhouse gas emissions.

Having access to the right data is crucial for many organizations to make meaningful progress toward their sustainability goals but this data is often highly fragmented across various formats and locations, making it difficult for all relevant parties to leverage. In a recent IBM study, 44% of surveyed CEOs cited "lack of insights from data" as a leading challenge to achieving their sustainability objectives.¹ In January, IBM acquired Envizi to offer organizations technology to help streamline and automate their collection, analysis and reporting of ESG data, with simplified dashboards and visualizations that can make these insights more accessible to stakeholders of all types.

"As the largest owner of office real estate in New York, we have been pioneers in ESG, taking action to support the City's vital sustainability initiatives," said Laura Vulaj, Senior Vice President & Director of Sustainability at SL Green. "Being committed to making data-driven decisions has been a crucial differentiator for us, and Envizi's advanced technology can enable us to further streamline these initiatives in a transparent and measurable way for our stakeholders."

Working with IBM, SL Green will use Envizi software as a service (SaaS) to help manage and accelerate sustainability initiatives across its portfolio. For example:

- **Create a single system of record for sustainability and ESG data:** Envizi can help SL Green streamline the collection of data from a wide range of sources such as utility data, renewable energy certificates, waste data, business travel, purchased goods and services, in order to provide all stakeholders with consistent data for reporting, analysis and decision making – for example, to support Scope 1, 2 and 3 GHG emission calculations.
- **Analyze data to inform sustainability decision-making:** SL Green can apply Envizi's advanced analytics to transform this data into insights on the performance of its portfolio, which can help drive better decisions and meet sustainability goals. For example, Envizi could help SL Green calculate greenhouse gas emissions, set decarbonization targets and track progress towards its emissions reduction goals.
- **Streamline ESG and sustainability reporting:** SL Green is committed to transparent ESG disclosures and reports its performance under a wide variety of ESG reporting frameworks including CDP, SASB, TCFD, GRI, CSA (DJSI) and SBTi. Envizi's ESG reporting capabilities can make it easier for SL Green to streamline these reporting processes, with all reporting questions and responses managed within a single software interface.

"The ability to transform widespread operational and environmental data into insights that business leaders and stakeholders can understand is a foundational step towards making sustainability initiatives effective and scalable," said Kareem Yusuf, Ph.D., General Manager, IBM Sustainability Software. "By taking a 360-degree approach, supported by connections between data, technologies and processes, companies can operationalize sustainability initiatives across their organization."

This collaboration between IBM and SL Green comes on the heels of the recent announcement that IBM has signed on as an anchor tenant for One Madison Avenue, SL Green's 1.4 million square foot, state-of-the-art redevelopment scheduled for completion in November 2023.

Product News

ABViewer 15 released

1 June 2022

We are pleased to announce the release of **ABViewer 15**! Our team has been working hard to make ABViewer better, faster, and more reliable. We also added some great new features and improved the existing ones — keep reading to know more about this major upgrade.

New 3D Kernel

We completely revamped 3D functionality in ABViewer and decided to replace Open Cascade Technology with our own 3D kernel. This makes us independent of any third-party and allows to respond swiftly to your requests. In this new version, we have already:

- speeded up opening of 3D files;
- improved reading of SAT, SLDPRT, X_T, X_B formats;
- added support for FSAT, SAB, SMT, IPT, IFC formats;
- added export to SAT and SAB formats;
- improved export of STEP, DWG, DXF formats.

Better Performance

ABViewer 15 brings great performance improvements. It is especially noticeable if you work with large files.

Up to

60%

faster opening of 3D files

and interaction with their structure

Up to

25%

faster PDF to DWG/DXF conversion

Navigation around a drawing or model using the **Pan** and **Zoom** tools became smoother and quicker.

Improved PDF to DWG/DXF Conversion

In addition to making the conversion faster, we added new useful settings that you can find on the **Loading/Saving** tab of the **Options** window. The most important one is **Layers**. If it is turned on, ABViewer will save the original layers of your PDF file.

You can also set up conversion in a such way that texts and images from your file won't be converted.

Improved G-code Generation from DWG/DXF Files

We continue to expand G-code generation capabilities and now it is possible to:

- convert entities only from visible layers;
- generate a G-code compatible with the dispensing CNC machine (Skyglass);
- generate a G-code compatible with the Grbl controller.

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By the way, our team created a video tutorial explaining all the ins and outs of G-code generation in ABViewer: <https://cadsofttools.com/products/abviewer/tutorials/how-to-generate-g-code-from-2d-dwg-or-dxf/>

Layout Detector

Sometimes we get files with several drawing sheets in the model space. Such files can cause difficulties, for example, when you need to print the sheets separately. That is why we decided to add the **Layout Detector** feature. Its button can be found on the **Advanced** tab.

This feature defines automatically the sheets drawn in the model space and allocates them to layouts. Just in few clicks!

New Editing Tools and Features

With the aim to improve your editing experience, we added new tools and features to ABViewer 15.

The **Auto Dimension** tool adds automatically parallel dimensions to an entity.

Using the **Cloud** tool, you can create a revision cloud with a freeform polyline.

We also added the **Autosave** feature to prevent you from losing any changes you make. You can activate it on the **Loading/Saving** tab of the **Options** window. And new settings that enable to turn on/off:

- selection of OLE objects and images by their contour;
- selection of entities on locked layers.

Improved Interaction With 3D Model Structure

We have already mentioned that interaction with structure of 3D models became faster. Besides this, now it is possible to switch between the selection modes of 3D model elements.

On the **Visualization** tab of the **Options** window, there is the **Extended** structure setting enabling to see all the elements of the 3D model structure. If you turn it off, the structure will be built up to solids.

Other Improvements

- Improved import of DWG and DXF formats:
 - improved support for MTexts and Texts;
 - improved support for Hatches;
 - improved display of SHX fonts;
 - improved support for ACIS objects;
 - improved support for Dimensions and Multileaders;
 - improved reading of VPort and drawing extents.
- Improved export of DWG and DXF formats:
 - added saving of ACIS objects;
 - improved saving of VPort.
- Improved display of vector formats (DWF, HPGL, CGM, SVG).
- Improved export and printing of PDF format:
 - added print styles for setting lineweight and color by color.
- Improved export of SVG format:

- improved export of texts and hatches.
- Automatic check for the software updates.
- Bug fixes.

ALLPLAN promotes OPEN BIM Workflows for Buildings, Infrastructure, and Fabrication

9 June 2022

ALLPLAN, provider of BIM solutions for the AEC industry, supports transparent BIM workflows through standardized, open data formats, enabling project partners to participate within construction projects regardless of the software they use. This is achieved through IFC, the open standard format for exchanging construction and model data. Recent examples that facilitate OPEN BIM include the certification of Allplan 2022 for Export IFC4 Reference View Architectural, for IFC 4.3 for civil structures as well as the new IFC4Precast standard in ALLPLAN's solution for precast detailing Planbar.

IFC 4 Reference View Export Certification

To further reinforce reliable collaboration and participation in building projects, Allplan 2022 has been officially certified for Export IFC4 Reference View Architectural by buildingSMART. buildingSMART is the worldwide industry body driving the digital transformation of the built asset industry through creation and adoption of open, international data exchange standards for buildings and infrastructure. ALLPLAN recently participated in shaping a new IFC4Precast standard for the fabrication of precast components and since October last year Allplan 2022 also supports the new IFC4.3 standard for infrastructure.

“We are delighted to enable interoperability for productive and efficient design to build workflows for the buildings sector through buildingSMART’s IFC standards and recent certification for the Export IFC4 Reference View Architectural”, said Thomas Mueller, Product Manager Interoperability. “We are also delighted to be one of the first software vendors to also support IFC 4.3 for civil structures and to participate in shaping the new IFC4Precast standard, displaying our commitment additionally to both infrastructure and fabrication sectors.

High quality Workflows for Buildings

The certification by buildingSMART confirms that that Allplan 2022 meets all requirements when exporting building models in the IFC4 Reference View. Using the IFC4 Architectural Reference Exchange facilitates high quality coordination workflows within the architectural design discipline to enable for example, buildup of multidisciplinary models or clash detection. Thus, reliable collaboration workflows for customers and their project partners is provided within OPEN BIM projects between all certified systems.

Optimized Workflows for Infrastructure

Allplan 2022 together with Allplan Bridge also supports the new IFC 4.3 standard. This schema has been extended specifically for civil structures. In the domain of bridges, this allows the bridge structure to be more easily broken down and used with enhanced object types to represent respective bridge elements. Further, it includes descriptions for object type, geometry, and materials. All this improves the quality of the IFC model and results in smoother BIM coordination and collaboration in bridge projects between all involved parties.

Reliable Collaboration for Fabrication

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At the end of 2021, buildingSMART officially recognized the Model View Definition (MVD) IFC4precast as the “final standard”. Experts from Competence Center Allplan Precast had actively participated in the development of the new standard. This notable milestone means that a manufacturer-independent data exchange from CAD to MES systems is now available to the precast industry. Planbar – ALLPLAN’s design and detailing solution for precast concrete – allows export of all precast elements, including all attributes as well as fixtures, reinforcement, and formwork with the new IFC interface. The object structure of the precast elements corresponds to the IFC4precast standard.

Ansys Significantly Increases Speed and Capacity of Semiconductor Signoff with Massively Scalable SeaScape Platform

8 June 2022

Ansys announced the release of two new semiconductor products – Ansys® Totem-SC™ and Ansys® PathFinder-SC™ – for power integrity and electrostatic discharge (ESD) reliability signoff, respectively. The new products significantly increase the speed and capacity of existing Totem™ and PathFinder™ products by integrating them into the Ansys SeaScape™ big-data platform for distributed processing. This deepens Ansys’ strategic commitment to adopting open and customizable design platforms to enable multiphysics engineering simulations.

Totem-SC is built on the SeaScape platform to address the growing challenge of power integrity analysis in today’s extremely large memory and analog mixed signal designs. SeaScape is a massively scalable data platform that used big-data techniques to enable highly scalable elastic compute and facilitate multiphysics analyses. Totem-SC delivers 10x faster performance on average for dynamic voltage drop signoff of next generation designs like complementary metal oxide semiconductor (CMOS) image sensors, dynamic random-access memories (DRAM), flash memories, field programmable gate arrays (FPGAs), and high-speed transceivers.

“Power supply noise is a critical metric for our CMOS image sensors as it directly impacts pixel performance,” said Seonil Brian Choi, Corporate VP Samsung Electronics. “Totem-SC offers us a high-capacity IR signoff solution for Samsung’s high-resolution sensor designs using standard low-memory machines. The high-fidelity results give our team the confidence to maximize design optimization for a better final product.”

PathFinder-SC provides a high-capacity solution for verifying the protective circuitry found on all chips that protect them from electrostatic discharge (ESD) and damage from voltage spikes. This technology has become increasingly pivotal as silicon technology continues to shrink to 7nm and below where these tiny transistors need to be protected by critical ESD circuitry that is checked, verified, and signed off with PathFinder-SC. SeaScape technology allows PathFinder-SC to deliver 10x faster turnaround for ultra-large SoCs, which makes it ideal for today’s large, high-speed semiconductor designs in artificial intelligence, imaging, networking, and 5G and 6G telecommunications.

“ESD signoff has become increasingly challenging as our design has grown larger and the predictive accuracy requirements have tightened,” said Chanhee Jeon, Master (VP of Technology) at Samsung Electronics. “We have found that PathFinder-SC gives us a high-capacity ESD signoff solution with superior root-cause analysis and multiphysics analysis capabilities, which helps us meet our delivery schedules.”

SeaScape’s big-data elastic compute algorithms are ideal for scalable, distributed deployment as it uses regular sized machines and does not require a large master node with huge memory. The SeaScape platform is an open platform architecture that allows customers to integrate other tools and their own

algorithms by means of a Python-based customizable user interface (UI)

“Designing today’s chips and electronic systems is an increasingly complex multiphysics analysis and simulation problem that requires a broad array of tools to solve,” said John Lee, vice president and general manager of the electronics, semiconductor, and optics business unit at Ansys. “Ansys strongly believes in providing open and extensible platforms like SeaScape so our users can use the best tools to simulate, analyze, and optimize their product designs – all the way from early prototyping to manufacturing signoff.”

AVEVA Unified Supply Chain Infuses Refinery Scheduling with Artificial Intelligence Capability

7 June 2022

AVEVA, a global leader in industrial software, driving digital transformation and sustainability, has elevated refinery scheduling with the addition of the AVEVA Unified Supply Chain, Schedule AI Assistant. Using the power of artificial intelligence (AI), Schedule AI Assistant analyzes hundreds of scenarios within seconds to provide a choice of optimized schedules, doing away with the need to manually run repetitive tasks.

“Schedulers' strategic capabilities will be transformed by the latest offering as they will be supported by an AI-powered system that recommends the most practical course of action, saving time and enhancing productivity by allowing schedulers to focus on value-added tasks and encouraging them to exceed objectives. This can be a huge enabler of enterprise agility, allowing operations to respond faster to market changes or disruptions in the supply chain,” **said Harpreet Gulati, Senior Vice President, Planning, Simulation and Optimization Business, AVEVA.**

Scenarios ranked for efficiency, profitability, and emissions

AVEVA Unified Supply Chain, Schedule AI Assistant, is an optimization and AI-infused cloud-based solution. The offer is designed to enable operational schedulers at refineries and petrochemicals plants to explore and rank various scenarios for efficiency, profitability, and emissions. The new solution accomplishes days’ worth of work in mere seconds, optimizing decision-making and boosting business agility.

Across the entire supply chain, analytics automatically produce and assess multiple schedules and anticipated events, offering planners a range of choices for optimized schedules. AVEVA’s Schedule AI Assistant then recommends a scheduling strategy that best meets the organization's safety, sustainability, and value chain optimization objectives.

To increase productivity and stabilize production flows, refineries attempt to enhance their planning and scheduling operations. Management teams can take responsibility and prepare for changing situations by optimizing schedules. A production scheduler coordinates the flow of crude oil through a refinery, from the point of unloading through transfer to storage tanks. They prepare charging schedules for distillation units, perform tank maintenance, and manage end-product delivery to maximize spot market profitability – all while taking into account unit capacity, flow, and compositions. Along the way, human fallibility and time limits can hinder efficiency. The multi-step procedure and multiple variables can lead to mistakes, making overall optimization challenging.

Customers can now leverage AVEVA Unified Supply Chain, Schedule AI Assistant to make scheduling decisions easily, while capitalizing on economic opportunities and unlocking additional value across the production process.

Cadence Extends Cloud Leadership with Transformational Cadence OnCloud SaaS and e-Commerce Platform

8 June 2022

Cadence Design Systems, Inc. introduced the new Cadence® OnCloud SaaS and e-commerce platform powered by Amazon Web Services (AWS) for companies adopting a “cloud-first” approach for design and analysis solutions that can be accessed anywhere from any device.

Building upon its well-established, comprehensive Cadence Cloud portfolio offered through Cadence-managed software-as-a-service (SaaS) and customer-managed platforms, Cadence OnCloud is the next big step in Cadence’s commitment to cloud-based solutions, easing the design process and delivering global collaboration, significant productivity, time to market and scalability benefits.

The new e-commerce platform is an industry first, offering instantaneous access to purchase and deploy products in minutes and already has thousands of early users. Cadence OnCloud is targeted for those with limited infrastructure or resources and offers comprehensive support options, including self-help and a broad range of SaaS delivery options addressing global demands and peak usage.

“Since the beginning of our Annapurna Labs journey, we have been following a cloud-first approach,” said Nafea Bshara, vice president and distinguished engineer at Amazon Web Services. “We have worked with Cadence for a number of years, using their tools in the Amazon cloud. The move to a consumption-based SaaS solution is a natural next step. The new business model of the Cadence OnCloud SaaS and e-commerce platform offers a great way to expedite project execution by having customers use Cadence’s Sigrity, Clarity and Celsius solvers and Allegro technology at scale. With its consumption-based model, Cadence OnCloud offers the flexibility, accessibility and scalability users demand.”

“As the industry leader in cloud-based solutions, we continue to innovate and respond to user needs, and the Cadence OnCloud SaaS and e-commerce platform, with a consumption-based usage model, expands our reach into the systems space by providing tens of thousands of existing and potential customers with instantaneous access to our technology, delivering more accessibility, higher productivity and instant scalability leveraging AWS,” said Dr. Anirudh Devgan, president and CEO of Cadence. “Together with Cadence’s widely adopted CloudBurst SaaS solution, Cadence now has the industry’s broadest SaaS portfolio catering to the needs of our customers from chips to systems.”

Cadence OnCloud has many significant advances and capabilities that go beyond traditional enterprise-wide licensing models. To deliver the flexibility required to address increased workloads and schedule pressures, the platform allows users to subscribe to their preferred consumption-based usage models depending on design needs and project duration. Cadence OnCloud initially provides the system design and analysis packages below:

- **Mainstream PCB Design:** Provides PCB design software that is easy to use from start to finish with Cadence OrCAD® PCB design technologies.
- **Advanced PCB Design:** Provides comprehensive schematic design and layout capabilities with the in-design analysis verification tools in Cadence Allegro® technologies.
- **Multiphysics Analysis:** Provides robust multiphysics computational software for electromagnetics, thermal, power and signal integrity, using the Cadence Clarity™, Sigrity™ and Celsius™ solvers.
- **Mainstream and Advanced CFD:** Provides all-in-one computational fluid dynamics (CFD) end-to-end workflows—from meshing all types of flow domains to solving multiphysics flow

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problems to advanced flow analysis post-processing—using Cadence Fidelity™ CFD Software.

“The Cadence OnCloud SaaS and e-commerce platform offers just the right computational compute resources for industry meshing needs. Requiring minimal effort and with an easy transaction process, the platform is straightforward and provides an intuitive user experience,” said Amine Ben Haj Ali, technical expert, Engineering at Bombardier.

“Cadence OnCloud is an industry game-changer with a suite of PCB/package design tools available anywhere, anytime at the click of the browser. With Cadence managing software installation, upgrades and licensing, it enables us to focus on the design and problem-solving. The cloud paradigm also helps to scale and tailor compute needs based on the problem. Besides these, it enables seamless collaboration with different teams and external partners across the globe,” said Jayaprakash Balachandran, senior technical leader, Hardware Engineering, Cisco Systems, Inc.

Cadence OnCloud also eliminates the need for costly on-premises compute and server resources that require high levels of maintenance and operational overhead and consume high levels of power. With Cadence OnCloud, users now have the ability to scale and adjust their valuable worldwide resources for growing businesses and design project workloads. Together with AWS, Cadence extends its cloud leadership and offers the scalability needed for tens of thousands of users, who may not traditionally have access to advanced technologies.

“AWS has worked closely with Cadence during the development of the Cadence OnCloud SaaS and e-commerce platform, which provides our mutual customers near-instant access to advanced system analysis and design solutions with the flexibility, performance and accessibility of AWS Cloud,” said Ian Colle, GM HPC and Batch Computing, AWS. “We are committed to working with Cadence to help deliver a secure, efficient and high-performing environment for Cadence OnCloud customers.”

Several Cadence OnCloud users have realized tremendous productivity benefits with the additional access to compute resources and the ability to virtually eliminate licensing and setup time. The scalability and flexibility of the cloud-based approach offers up to 10X run-time improvements compared with traditional on-premises environments.

“The Cadence OnCloud platform and high-performance cloud computing infrastructure provides a collaborative, on-demand electrical simulation that is easy to implement,” said Miguel Rivas, EDA application analyst, Zebra Technologies. “By giving our distributed teams access to the database and critical analysis software, we can significantly cut simulation iterations and help ensure product quality.”

In addition, Cadence OnCloud allows users a familiar online shopping experience that many have come to expect, with instant credit card and ACH purchasing and packages in app form tailored to specific user types, skills and needs. It is built on the highest standards of security with multiple layers of defense from the infrastructure level to the user level. In support of Cadence’s sustainability goals, Cadence OnCloud contributes to lowering the overall carbon footprint by enabling the transition of development tools from enterprise data centers to best-in-class carbon-optimized cloud data centers for which research has shown improved sustainability.

The Cadence OnCloud SaaS and e-commerce platform is a key step towards broadening cloud-based access to Cadence’s comprehensive technology portfolio in alignment with its comprehensive Intelligent System Design™ strategy, delivering the best overall user experience to its vast customer base.

Customer Endorsements

“The Cadence OnCloud HPC is a very useful environment that enhances user capability to launch simulation from anywhere with sufficient computing power. It also eliminates the need to procure

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expensive desktop computing machines, monitor license usage and maintain data storage systems.”
Vineet Sharma, manager combustion systems, Kalyani Centre for Technology and Innovation, Jet Propulsion Technology Centre, Bharat Forge Limited

“The Cadence OnCloud version of Fidelity Pointwise Mesh Generation is a great way to leverage external hardware assets and additional licenses to meet spikes in customer demand. For typical problems, any lag from mouse interaction is barely perceptible, and the ability to launch multiple instances of Fidelity Pointwise at the same time allows you to generate multiple grids in parallel. It provides an ideal option to ramp up resources to meet spikes in customer demand without having to purchase additional annual licenses that may go unused when demand falls back to normal levels. I highly recommend it.”

John F. Winkler, Ph.D., senior aerodynamicist/functional aero and sim lead, DZYNE Technologies

“Using a CFD solution on Cadence OnCloud that is really on-demand is a game-changer. I love the fact that I do not have to procure license keys from a third party, and I have everything self-contained in a cloud solution. Additionally, I have at my disposal the most efficient tools available on the market, from high-order meshing to a top-quality support team that is ready to assist me with my meshing workflow. On top of that, I have access to Cadence’s Fidelity CFD Software which is an extremely efficient CFD solver with cutting-edge algorithms that helped me to resolve complex problems with a consistent and robust workflow; everything in one tab on my web browser. By far, this has been the best alternative I have tested in the last years and my option as a CFD consultant. I am very happy to see that Cadence bridged the gap between pre-processing and solver and provided the first top-quality, highly validated, accepted and certified CFD solution in the market. Great job, Cadence.”

Julio Mendez, CEO, Inteligeng

“The Cadence OnCloud SaaS and e-commerce platform enables advanced PCB design for high-speed PCB design, SI analysis, and thermal analysis. Instantaneous access to the Cadence design and analysis architecture on Cadence OnCloud helped us easily adapt to peak demands, with no need for any software download and installation. We expect Cadence OnCloud to improve productivity and optimize our current hardware and software resources.”

Sathish Ottalingam, CEO, Sienna ECAD Technologies (an Avalon Group Company)

“Overall, Cadence OnCloud enables utilization of Cadence software on an as-needed basis without requiring installation on the local host. Cadence OnCloud also minimizes hardware infrastructure and investment and provides much more flexibility in terms of software licensing needs.”

Roshan Dsouza, senior technical lead, Happiest Minds

“Cadence OnCloud is a step forward for our business. We can now access the entire Cadence multiphysics portfolio from anywhere without any local hardware limitations. This new use model will enable us to expand our usage of simulation across our engineering teams, ensuring we can consistently maintain the high-quality and timely completion of the projects our customers expect.”

Jeff Comstock, electrical engineer, OLogic, Inc.

“The Cadence OnCloud experience has been good. The file transfer and backup between sessions has been reliable. The training videos have also been quite helpful. The user interface seems as responsive as working on a local server. Moreover, the call with Cadence’s support team was very helpful in getting me started in the right direction with Fidelity CFD.”

Justin Morgan, principal, Ocean Engineering & Analysis at Glostren, Inc.

“The use of Cadence OnCloud allowed students to dive into CFD with zero obstacles. No time was spent on installation, which is comforting to students and school facilities. All users had a stable and fast

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version of Fidelity CFD Software. This solution makes classes highly flexible and allows people to continue their experience at their own pace. Fidelity CFD itself was found to be intuitive to use. It clearly indicates the workflow in a structured way. In Essential mode, only the most relevant settings are asked to get to a decent solution. Step by step, more detailed settings can be added while moving towards Advanced mode. A single session allowed us to go through to the full CFD-workflow for an internal flow case, highlighting all relevant aspects combined with industrial examples.”

Lohengrin Van Belle, lecturer, Vehicle Design and Technology CFD, Katholieke Universiteit Leuven

“During the spring semester, the students in EEC113 took advantage of Cadence OnCloud for their PSpice simulations. This platform greatly improved the accessibility to Cadence tools as it didn’t require installing any software and worked seamlessly for Windows-based PCs and iOS-based laptops.”

Hooman Rashtian, PhD, associate professor of teaching, Electrical and Computer Engineering, University of California, Davis

“The UofM Electric Boat racing team understands the importance of CFD modeling. Many members of our team accessed Cadence OnCloud to explore the Fidelity CFD solution. We plan to continue to model our hydrofoils to improve the energy efficiency of our electric boat.”

Deven Parmar, captain and founder, University of Michigan Electric Boat

“As NC state’s first solar vehicle team, our big goal is to show the world that solar energy can be used to power a car in a sustainable, efficient and powerful way. Leveraging the cutting-edge Fidelity CFD meshing and simulation packages from Cadence built on the Cadence OnCloud SaaS and e-commerce platform will enable us to simulate the performance of our solar vehicle to achieve our goals for sustainability, efficiency and power. As we are developing our next-generation vehicle, we are also planning on leveraging the Cadence OnCloud PCB design and analysis solutions.”

Ben Nichols, technical director of SolarPack, The Solar Vehicle team at NC State

“The Tessolve team has recently worked on Cadence OnCloud tools. This working mode is encouraging for scaling up our PCB implementation and design tasks while saving considerable time and cost. Cadence OnCloud enhances the value of our long-term partnership with Cadence.”

H.S. Sudarshan Sarma, C.I.D. senior director, PCB, Packaging & Mechanical Engineering, Tessolve Semiconductor Pvt. Ltd.

Cadence Revolutionizes System Design with Optimality Explorer for AI-Driven Optimization of Electronic Systems

8 June 2022

Cadence Design Systems, Inc. announced the Cadence® Optimality™ Intelligent System Explorer, which enables multi-disciplinary analysis and optimization (MDAO) realization of electronic systems. After revolutionizing *simulation* and delivering several products with breakthrough performance and accuracy, Cadence has focused on *optimization*, first introducing the disruptive Cadence Cerebrus™ Intelligent Chip Explorer, and now Optimality Explorer. Leveraging similar AI technology as used in Cadence Cerebrus to yield groundbreaking results, Optimality Explorer delivers optimized designs on average 10X faster than traditional manual methods, with up to a 100X speedup realized on some designs. Optimality Explorer further extends Cadence’s system analysis leadership by delivering to market an industry first: an AI-driven, MDAO-enabled in-design multiphysics system analysis solution.

Cadence’s Clarity™ 3D Solver for 3D electromagnetic (EM) analysis and Sigrity™ X technologies for high-speed signal integrity (SI) and power integrity (PI) analyses are the first Cadence multiphysics

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system analysis software products to embrace Optimality Explorer. With Optimality Explorer, Clarity and Sigrity X solvers can significantly improve designers' productivity and efficiency by enabling design teams to explore the entire design space and quickly and efficiently converge on the optimal design.

Optimality Intelligent System Explorer delivers the following benefits:

- Design insight: Enables designers to quickly determine optimum electrical performance, avoiding suboptimal local minima and maxima, while mapping variations for additional consideration and exploration of the complete design space
- Improved productivity: Empowers design engineers and teams to efficiently achieve optimized system-level designs, improving productivity by 10X on average when compared to manual, brute-force parametric table studies, with up to a 100X speedup realized on some designs
- Easy-to-use interface: Flexible use model allows customers to activate Optimality Explorer from the Clarity and Sigrity X environments for fast invocation of MDAO
- Extensible solution: Allows customers to extend AI-driven optimization across Cadence's multiphysics technologies to create a comprehensive computational software solution spanning simulation, optimization and signoff

"For years, optimization at the system level has been extremely inefficient based on a human-intensive workflow of design/prototype/test/refine and eventual manufacturing," said Ben Gu, vice president of R&D for the Multiphysics System Analysis Business Unit at Cadence. "With Optimality Explorer's MDAO capability, it's now possible to perform system-level optimization, from the IC to the package, the PCB and the system, in a fraction of the time and with Cadence's signature gold-standard accuracy."

Customer Endorsements

"In a high-speed package design, it's a cost- and performance-effective process to optimize the design before taping out. For our DDR package optimization process, Cadence's Optimality Explorer-empowered Clarity 3D Solver enabled us to uncover the best parameter configuration, meeting our design criteria in a dramatically shorter time window, thereby speeding up our time to market while enabling us to deliver a higher performing solution."

- Alan Zhu, VP of Hardware at Ambarella

"The Clarity 3D Solver provided unparalleled speed and capacity with proven accuracy throughout our next-generation Kunlunxin AI chip project. We utilize Clarity 3D Solver for high-speed channel modeling and optimization. Now, with Cadence's Optimality Explorer, we reduced the amount of time we spent on optimizing transmission line performance from hours to minutes. We were able to tune the physical parameters of a high-speed differential pair routing constraint much faster than previous methodologies. The time saved can be used to optimize other parts of our design so that all critical interfaces operate at peak performance."

- Canghai Gu, Chief Chip Architect of Kunlunxin at Baidu

"MediaTek is a leader in SerDes design and technology. The Cadence Optimality Explorer and Clarity 3D Solver allowed us to realize a 75% performance improvement for our recent 112G PAM4 SerDes project. The optimum return and insertion loss, and TDR waveforms, were determined quickly and efficiently due to Cadence's breakthrough AI-driven optimization, accelerating the design team's productivity and ultimately the success of the final product."

- Aaron Yang and Howard Yin, Design Directors at MediaTek

"As an early adopter of the Cadence Optimality Intelligent System Explorer, we stressed its performance

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on a rigid-flex PCB with multiple via structures and transmission lines. The Optimality Explorer's AI-driven optimization allowed us to uncover novel designs and methodologies that we would not have achieved otherwise. Optimality Explorer adds intelligence to the powerful Clarity 3D Solver, letting us meet our performance target with accelerated efficiency.”

-Kyle Chen, Principal Hardware Engineer at Microsoft

Pricing and Availability

The Optimality Intelligent System Explorer is available now to select customers through early access. General availability is expected in the fourth quarter of 2022.

Ganister PLM v2.5 is released!

1 June 2022

UX Improvements and the best Access management mechanism !

The power of the graph for custom access management

This is one of the greatest feature we have added so far. Custom Graph-based access management is just great. And it works perfectly because we sit on top of a graph database.

Custom Graph Access

The concept is the following: for each type of information (node and relationship) we allow you to define a graph query which if it resolved allows access. By default, Ganister has generic permissions to give access to information to specific groups. But sometimes, and it usually happens when you want to give access to external partners, the access rule is a bit more complex and the only way to describe it is by drawing it on a whiteboard. The cypher query we write to implement this is the next step. Easy to write, easy to understand and performant.

By providing the following Cypher query, any user member of a company for whom you are delivering parts and documents will have access to it without having any other generic access.

```
MATCH (u)-[:memberOf]->(c:company)<-[:forCustomer]-(:project)-[:delivers|contains|isDocumentedWith*]->(n)
```

UX Improvements

Where-used

The new where use feature is great, it is giving quick information about all the connections of a node. Thanks to the graph database, it is also performant has you don't to navigate n relationship tables like you would have to do with a relational database (SQL).

ECO Impact Matrix

Getting customers active on the ECO is giving us a lot of interesting usability feedback. The bigger Impact Matrix get, the more any UX glitch becomes an issue. We simplified the actions you can take on an ECO and we added visual helpers to identify similar elements from the before and the after grid.

String properties formatting

We added a small feature requested by a customer. For homogeneity, they wanted some fields to always be capitalized. Therefore we added a format feature on string properties which allows to set a specific formatting.

Open Ganister with a specific node

When you assign someone on a task, this person can receive an email notification. Until now, the

message was just text. We now added a link to ganister with the information to directly open the node related to the assignment.

Server Enhancements

Importing Files with our dataloader

We recently demonstrated it on our youtube channel, you can now not only import data (nodes and relationships) using our dataloader. You can also import files.

Reporting Engine enhancements [Open Source]

This might not be well known but our reporting engine is completely open source and independant from Ganister. It can be useful for anyone using neo4j and wants to build table reports from a graph database. We implemented a few improvements lately with the capability to pass a timezone and various fixes like handling null values for string properties.

Here Comes ZWCAD 2023: Efficient, User-friendly, Connected

8 June 2022

ZWSOFT, a reliable provider of all-in-one CAx solutions announced the release of its latest version of flagship 2D CAD product – ZWCAD 2023.

“Since the very start of our foundation in 1998, we’ve been focused on solving design problems of our users. We strive to help them improve their design efficiency by providing more powerful functions and better user experiences. Overall, changes in ZWCAD 2023 can be summarized as three keywords: efficient, user-friendly and connected. They also give a clear picture of what directions we’ve been working hard in to provide our users with an ultimate 2D CAD solution,” said Kyle HE, ZWCAD product manager.

Efficient, User-friendly, Connected – an Ultimate 2D CAD Solution

Efficient

Many designers and engineers find it a time-consuming task to manage multiple drawings in a project. To help them save time in managing files and focus on design more, we added a new feature – Sheet Set Manager, which allows users to view, access, edit, plot and archive multiple drawings in just one panel.

Apart from file management, another time-consuming task is table creating and editing, such as creating a BOQ (Bill of Quantities). In this version, our Table Tool was enhanced greatly to satisfy various and customized needs from different industries. Users can unify the style of their table using Match Cell and add blocks as they need with Block Insertion. After setting up a table, the table can be saved as a template for further use. With this more powerful Table tool, users can no longer waste time switching from table editing software to ZWCAD and face the risk of data loss during it.

Efficiency in frequently-used operations has been a key factor affecting user experiences. In ZWCAD 2023, there is a great efficiency increase in operations like Select, Delete, Pan, Zoom and 3D Render. Compared to the previous version, it’s 8x faster in selecting multiple objects in a drawing and 5x faster in deleting them.

User-friendly

“ZWCAD is not just a 2D drafting tool. We’ve been working hard to strengthen its 3D functions to better satisfy our users who have needs like viewing a 3D model, and sketching a 3D model at the very beginning of the product design process. In the future, we believe it can do more,” said Kyle HE. In this new version, users can change a 3D entity’s shape easily by dragging the grips. Users can also edit its shape precisely by modifying its information in the properties panel. In addition, geometric information

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of a 3D model will appear dynamically and its dimensions will update automatically when its shape is changed. All these changes in the 3D module bring user experiences to the next level.

Connected

“ZWSOFT is committed to building an ecosystem of the industry. In this system, different software, applications and devices are connected so it can meet requirements of different scenarios and industries,” said Kyle HE. In ZWCAD 2023, we introduced the use of 3D mouse products from 3D connexion®. Users can pan, Rotate, pan or zoom a 3D entity freely on a 3D mouse. They can also carry on frequently-used commands on it. The use of a 3D mouse can reduce the right hand’s pain caused by frequent operations. Moreover, it saves more time performing the same operation using a regular mouse or a keyboard, thus boosting efficiency.

IMAGINiT Develops Additional Time-Saving Utilities for Autodesk Revit

9 June 2022

With five new Utilities, IMAGINiT Technologies now offers over 50 time-saving tools that further extend Autodesk’s Revit® functionality by automating manual tasks and streamlining workflows. This time savings allows engineers, architects, BIM managers, and Revit power users, to increase productivity and spend more time focused on project-critical work.

“For over a decade, IMAGINiT has been collaborating with Revit users and incorporating solutions that address real-world Revit challenges,” says Matt Mason, director of software development at IMAGINiT Technologies. “With input from mechanical, electrical, plumbing (MEP) and structural engineers as well as architects and BIM coordinators, IMAGINiT has developed more than 50 Revit utilities that are free to those who partner with IMAGINiT for their Autodesk software subscriptions. It’s our way of providing ongoing support to our customers and helping them get a leg up on their competition.”

More than 70,000 Revit users working at over 7,500 firms worldwide have taken advantage of IMAGINiT’s Utilities for Revit. The new utilities, which are compatible with Revit 2023, include:

Schedule from Excel

Excel import allows easy integration of non-BIM data into the building information model (BIM). Seamlessly bring Excel checklists, abbreviations, general notes, keynotes and more into the model with fast and accurate calculations, without spending hours re-creating data.

Upgraded Support Utility

Revit’s improved support Utility, inspired by comparable features in other IMAGINiT products such as Clarity, facilitates creation of a support ticket and tracks its progression. Users can now share information on specific Revit sessions to expedite resolution.

Space Copy Phase

The Space Copy Phase lets MEP engineers set up spaces that match the architect’s model or copy existing spaces between phases. Now, MEP engineers and others can easily model multiple construction phases without creating them separately in each Revit phase.

Project/Template Report

Power users, such as BIM managers and BIM project coordinators, can now automatically document necessary project information. This automation replaces the manual hours formerly needed to run tedious comparisons to identify differences and document standards.

Create Rooms from DWG

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This utility provides quick tools to transition 2D CAD data into 3D BIM elements like walls and rooms.

Webcast for Revit 2023 Utilities

To learn more about how the IMAGINiT Utilities for Revit increase efficiency and productivity for all Revit users, [register now](#) to join a complimentary webcast hosted by Joe Eichenseer, building solutions division manager, on June 16 at 1 pm Eastern.

Infinite geometry streaming from the cloud

8 June 2022

3D Repo is pioneering the development of a new cutting-edge solution for infinite geometry streaming massive 3D models in the cloud using Unreal Engine.

Recently, there has been an increased interest in digital twins and vast open-world simulations for engineering and other purposes and even for creating the ‘metaverse’ itself. 3D engineering models continue to get bigger and more complex by the day with some boasting millions of objects and hundreds of millions of polygons.

AEC professionals are increasingly finding it difficult to visualise large-scale projects with existing solutions. Unfortunately, due to memory limitations imposed by web browsers, some extremely large models simply will not load regardless of the power of the underlying computer being used.

Due to the COVID-19 pandemic, cloud computing and remote working have also become more common and the need for more collaborative solutions has risen dramatically.

The 3D Repo infinite geometry streaming solution with Unreal Engine aims to remove those technological barriers to collaboration to enable the rendering of massive 3D models in the cloud for engineering, real-world simulations, or possibly even the metaverse.

This project was made possible after 3D Repo received an Epic MegaGrant in 2021.

The 3D Repo InfiniteGeometry Streaming Solution

Instead of loading the entire model, the 3D Repo geometry streaming solution uses pre-optimised assets which are dynamically loaded directly into a running game, giving users the ability to log in via their 3D Repo credentials and seamlessly retrieve any of their assets on the fly.

Via open APIs, objects are grouped into small clusters of super meshes that allow priority loading of geometry by the engine and client, allowing users to explore conceivably vast open worlds.

This process operates in four stages:

1. Small clusters of objects are grouped into super meshes
2. Clusters are organised and structured
3. Information about the clusters is passed to the client so it can request specific clusters on demand
4. The client loads these clusters according to priority

Using a federation from the Canary Wharf, Wood Wharf development in London – the image gallery below shows an example of the clusters of objects being loaded into view as the viewer approaches closer to the tower. For this example, we have set the threshold exceptionally low to make it obvious how the geometry is being streamed in and out as the viewer moves around.

40 Leadenhall Street Commercial Office

Led by Mace, 40 Leadenhall Street is a commercial office project and one of the biggest schemes to ever

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receive planning permission in the City of London. In fact, it is the most digitally advanced project in Mace's portfolio!

This project was selected as a test for the new infinite streaming solution as it is one of the largest projects 3D Repo has ever come across, with over 1.8 million objects, 700 million polygons, and two billion vertices – spanning some 100 GB of data!

Once again, for example purposes, we have set the threshold exceptionally low to make it obvious how the geometry is being streamed in and out as the viewer moves around. The empty bounding boxes, shown in blue, depict the geometry that is available in the server but has not yet been loaded into the GPU memory.

In this example, the federation has been uploaded from Revit directly to the 3D Repo cloud for processing. From there, the data is made available through APIs where it can be used in the Unreal Engine and business intelligence tools such as Microsoft Power BI.

A big thanks to AccuCities for providing us with the 3D model of the City of London.

Integration with AVEVA Data Hub enables secure information sharing to unlock new opportunities in the connected industrial economy.

6 June 2022

AVEVA, a global leader in industrial software driving digital transformation and sustainability, today announced the addition of powerful industrial data-sharing capabilities to its AVEVA Connect industrial cloud platform for hybrid SaaS solutions.

With this latest addition to AVEVA's cloud services, customers can now access AVEVA Data Hub, a secure, cloud-native service for aggregating, managing and sharing operations data to gain new insights and improve operating performance. AVEVA Data Hub lets industrial companies selectively share operations data with trusted stakeholders such as key suppliers, equipment providers, data scientists, enterprise business analysts, and other authorized partners. This information-led network of interlinked organizations, referred to as the connected industrial economy, offers the ability to unlock operational efficiencies, increase sustainability, and drive digital transformation at scale.

AVEVA Connect continues to add hybrid SaaS solutions that will bring customers and partners together to elevate the entire industrial ecosystem from design to operations and through to optimization. The industrial cloud platform enables search, data access and configuration API, community data sharing, and reference content. The ability to aggregate data in the cloud from on-premises and third-party systems supports streamlined collaboration over digital twins. Digital twins are virtual replicas of physical assets such as power plants or manufacturing facilities.

“With extensive data-sharing capabilities unlocked by AVEVA Data Hub, AVEVA Connect is now better than ever. AVEVA now offers a common cloud-connected information infrastructure that our customers and partners can leverage to build valuable applications and meet their most difficult sector-specific challenges,” said Rónán de Hooge, Executive Vice President, Cloud Platform Business, AVEVA. “AVEVA Connect is an open and agnostic platform that can be scaled up or down to support business flexibility while enabling a more collaborative and efficient industrial ecosystem.”

Reducing equipment downtime and improving ESG compliance

Renewable Energy Group (REG) is using the power of cloud data sharing to enhance asset reliability and reduce maintenance costs. REG is using AVEVA Data Hub to share real-time performance data from their centrifuges with an asset monitoring partner, Allied Reliability. The closer collaboration

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between asset owner and service provider has enabled REG to reduce equipment downtime by up to 90%.

Dominion Energy enables their expanded ecosystem to operate more sustainably by sharing data it gathers from wind and solar power generating units. Energy source data is increasingly important to residential and commercial customers monitoring their environmental footprint and validating their ESG reporting commitment. Dominion Energy's end customers can now access timely, reliable data about how their energy is sourced, allowing them to meet their ESG pledges and drive responsible use of the world's resources.

With AVEVA Connect, industrial owners, operators, engineers, and integrators can engage digitally, sparking collaborative innovation to turn opportunities into business value.

Mastercam 2023 is Now Released

2 June 2022

CNC Software, LLC, developer of Mastercam, announces the release of Mastercam 2023.

Manufacturers worldwide got the chance to test-drive Mastercam 2023 during the Public Beta Program before it was released and provided valuable feedback to help shape the final 2023 product. Many of the improvements in Mastercam 2023 are directly driven by Mastercam users and shops. Feedback from Public Beta releases, shop visits, customer surveys, and consultation with our expert industry partners create the practical, shop-driven focus that helps ensure Mastercam users' success.

Expanding and Consolidating Multiaxis Toolpaths. The new Unified Multiaxis toolpath brings together Morph, Parallel, Along Curve, and Project Curve strategies into a single interface, delivering expanded and highly flexible cutter path creation. The Unified toolpath allows access to these cut patterns when you add the appropriate curves. For example, to create a toolpath that morphs between two surfaces, select Unified from the Multiaxis toolpaths, and then set the Cut Pattern to two surfaces with the Morph style. The Unified toolpath allows for more flexibility in cut pattern when programming in Multiaxis.

New B-Axis Contour Turning Toolpath. Mastercam 2023 introduces a new toolpath to the Turning suite for the Mill-Turn product. B-Axis Contour Turning is a finishing toolpath that allows for rotation of the B-axis while the tool is cutting. The toolpath features a top-down workflow and provides you with either Automatic or Manual motion control. Automatic mode produces safe toolpath motion that keeps the insert in contact with the contour. Manual mode offers full control over the B-axis angles along the contour. Areas that would have taken multiple tools and resulted in blends are now possible with one single toolpath, resulting in superior finish, fewer tool changes, and less cycle time.

Detecting Undercut Stock When Machining. The Dynamic OptiRough and Area Roughing toolpaths can now be aware of undercut stock conditions, resulting in improvement to the toolpath motion, including less air cutting.

Machine Group Setup. Mastercam 2023 introduces the new Machine Group Setup function panel for Mill and Router machine groups. This panel encompasses features and functionality from the Machine Group properties dialog box, including new features. Machine Group Setup provides a clean, modern interface to define stock, material properties, workholding, tools, and simulation settings. Accessing all of the critical components of setting up a job, from stock to simulation, has never been easier or more organized.

These are only a few of the new features and enhancements coming to Mastercam 2023.

Plex Systems Announces Modularization of its Smart Manufacturing Platform to Scale with Business Needs

9 June 2022

Plex Systems, a Rockwell Automation company and a leader in cloud-delivered smart manufacturing solutions, announced a new modularization approach for its Smart Manufacturing Platform to enable accessibility and scalability for digital transformation in manufacturing. This approach, enabled by Plex's innovative cloud-native platform, more closely aligns with customers' needs as they build their smart manufacturing technology strategy, including a focus on flexibility, quick implementation, and ease of entry with a path to grow.

With Plex, manufacturers can start their digital transformation in a number of ways. For example, they can initially implement quality management (QMS) or manufacturing execution (MES) systems – common entry points for most manufacturers – and from there add capabilities, such as production monitoring, asset performance management, or supply chain planning. With this approach, companies pick the starting point that best meets their needs and then can scale into additional connected solutions over time. Plex uniquely enables new capabilities to simply be activated versus “installed” and for data and governance rules to flow seamlessly throughout the system.

Three examples of the new modular solutions include:

- **New Product Introduction and Management:** Maximize profitability and increase competitive position by reducing time to market and decreasing development costs. Companies can manage the product and program lifecycle – from concept to completion – and effectively track new and existing products, including updates, retirement, and obsolescence.
- **Labor and Workforce Management:** Optimize labor schedule and costs while preserving delivery schedules through effective labor management, clear skills-to-required production capabilities, reduction of onboarding time, and programs for employee health and safety.
- **Advanced Quality:** Proactively manage supplier quality and compliance with integrated continuous improvement toolsets and extend quality processes throughout the full supply chain to promote a holistic quality culture both inside and outside the four walls of the organization.

“Plex was built from the ground up for manufacturers with flexibility and scalability in mind, as evidenced by our cloud-first multi-tenant architecture. Modularization takes this a step further with numerous starting points for companies at any stage to begin or expand their digital transformation journey,” said Nathan Pieri, chief product officer and vice president, applications, Rockwell Automation. “We took an outside-in look at understanding customer challenges and aligned our approach to help them manage their entire lifecycle and deliver positive business outcomes every step of the way. By providing manufacturers with easier points of entry and an elastic building block approach, companies can focus on their immediate Industry 4.0 transformation needs with options to add more capabilities as they need them, all seamlessly within our secure manufacturing cloud.”

"This approach solves a major need for manufacturers, addressing prioritized pain points immediately while providing a simple path to broader capabilities as needed. Plex is distinctive in its multi-tenant SaaS approach, enabling modular capability expansion without complicated integrations," said Reid Paquin, Research Director at IDC.

“The new modular approach, from production monitoring to full ERP and everything in between, ensures we can help customers quickly solve their most pressing pain points with one, many or all of our innovative smart manufacturing solutions, meeting them where their needs are and supporting them as

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they grow,” commented Ron Pascuzzi, chief customer officer, Plex Systems. “Plex’s customer-led approach to our product strategy is affirmed by offering a fast path to start their digital transformation journey.”

Plex is a cloud pioneer that uniquely offered its innovative QMS and MES capabilities as part of its ERP solution in a multi-tenant SaaS environment for over twenty years. This modular approach demonstrates the unparalleled flexibility available with a cloud solution and gives manufacturers the ability to continue to implement all these capabilities at once or compose the solution they need with seamless scale.

Attendees of [ROKLive](#), a Rockwell Automation and Plex Systems event taking place in Orlando, Florida, June 13 to 16, can learn more about and see these advancements in action in the expo and demo hall.

Plex Systems Introduces Machine Learning to Help Companies Improve Demand Forecasting Accuracy

2 June 2022

Plex Systems, a Rockwell Automation company and a leader in cloud-delivered smart manufacturing solutions, today announced new machine learning capabilities for Plex DemandCaster Supply Chain Planning (SCP), enhancing forecast accuracy to improve customer service at lower levels of inventory coverage.

Manufacturers need more sophisticated supply chain planning technology in response to shortages in workforce and raw materials, logistics challenges, and impacts to overall business revenue. Business planners are tasked with forecasting and responding to more “black swan” type events and are looking for innovative ways to include a variety of data sources to expand their planning resources.

Plex DemandCaster Supply Chain Planning unites business functions within the organization with their planning variables to solve inventory problems quickly and proactively, helping planners easily interpret data with automated statistical forecasting while enabling a continuous planning and execution feedback loop. Now, the addition of machine learning for DemandCaster SCP dramatically advances the automation of pattern recognition and the application of correlated related data to improve forecast accuracy. Higher forecast accuracies cascade through the supply chain planning process by reducing the need to carry extra inventories to buffer against uncertainties.

“The days of steady and dependable supply chains that enable long-term lean and just-in-time replenishment to manage costs are behind us. Businesses now understand that planning and forecasting must include the assumption of disruption and rely on data to navigate this new normal,” commented Ara Surenian, Vice President, Product Management at Plex Systems. “Adding machine learning to Plex DemandCaster Supply Chain Planning empowers customers to overcome supply planning challenges and digitally transform their planning. By infusing the sales forecasting process with machine learning, customers can bring in a wealth of additional data as an input to the forecasting process that a human nor traditional statistical forecasting methods can discern. These additional inputs are used to help calculate and recalibrate the process to improve forecast accuracy.”

Plex offers the only single-instance, multi-tenant software as a service (SaaS) manufacturing platform operating at scale, including solutions for MES, ERP, quality, supply chain planning and management, asset performance management, production monitoring, process automation and analytics. The cloud-native Plex Smart Manufacturing Platform serves over 700 customers and manages more than eight billion transactions per day. In September 2021, Plex was acquired by Rockwell Automation, Inc.

(NYSE: ROK), the world's largest company dedicated to industrial automation and digital transformation, to expand its industrial cloud software offerings.

Attendees of ROKLive, a Rockwell Automation and Plex Systems event taking place in Orlando, June 13 to 16, can learn more about this innovation in a dedicated session "Advancements of Machine Learning in Supply Chain Planning" presented by Ara Surenian on Tuesday June 14th at 3:00 PM ET.

Simplifying On-Control Programming

7 June 2022

ModuleWorks announces its Next Generation Shopfloor Programming (NGSP) software that enables machine tool builders and CNC manufacturers to offer highly automated touchscreen programming as part of their proprietary on-control solutions.

"A lot of parts, especially prismatic parts, are programmed directly on the CNC and we aim to help machine tool builders and controller manufacturers simplify and speed up the programming process with intelligent touch-screen solutions that assist operators as much as possible."

Soroosh Eghbali, Head of Business – CAM Automation at ModuleWorks

Built upon the ModuleWorks toolpath calculation and simulation technology and integrated directly into the CNC, ModuleWorks NGSP brings the graphic touchscreen environment of automated programming to the shopfloor, enabling machine tool operators to quickly build, simulate and run NC programs without in-depth knowledge of G-code programming. Because it is embedded in the control, NGSP has access to the tool library and physical parameters of the individual machine tool. This enables NGSP to apply automatic decision-making to guide operators through the setup procedure and assist with the tool selection, machining strategy and optimal cutting parameters for each job to speed up programming and increase the competitiveness of machine shops that work with fast cycles and short lead-in times.

"We worked in close consultation with machine tool builders and CNC manufacturers to develop an innovative 3D programming solution that helps machine shops cope with the demands of fast-cycle manufacturing. We're excited about the release of NGSP and look forward to deploying it via our industry partners."

Sebastian Viebach, Product Manager at ModuleWorks

NGSP takes a 3D CAD model as input and displays the target workpiece and the initial stock geometry on the CNC screen. Human-assisted feature detection identifies geometries such as channels, pockets and holes and an initial toolpath is calculated and shown on the model. The system guides users through the programming sequence and each operation removes part of the stock all the way to the roughing and finishing cycles. Built-in intelligence analyzes the geometry together with the required machining strategy and automatically recommends the appropriate tool and cutting parameters. Touching an operation block at any time opens menus to adjust parameters and select different tools and machining strategies if desired. The toolpath instantly updates each time a new setting is selected.

The combination of touch-screen selection, human-assisted feature detection and intelligent decision-making eliminates many of the time-consuming and error-prone steps of conventional on-control programming. In benchmark tests conducted by ModuleWorks, programming a sample part with NGSP was 70% faster than a conventional conversational programming system.

Tacton Unveils Product Updates to Remove Silos and Connect Engineering, Sales and Supply Chain Functions

7 June 2022

Tacton, industrial manufacturing's Configure, Price, Quote (CPQ) SaaS provider for design to sales automation, announced several updates for Tacton CPQ, the most comprehensive CPQ software on the market for manufacturers. The company is launching Tacton CPQ Data Import Automation, Tacton Product Validations, and an enhanced version of Tacton's Integration to Salesforce. Additionally, Tacton is releasing an update to Tacton CPQ Visualization. Tacton CPQ's latest enhancements increase efficiency in manufacturing sales and help manufacturers across the globe achieve a smooth process for configuring and selling complex capital equipment and adjacent services. With Tacton, manufacturers can confidently handle any customer request to increase customer satisfaction, improve operations and drive revenues.

Tacton CPQ Data Import Automation

Tacton CPQ is central to effective selling, where all product information comes together for the sales team to quickly turnaround quotes. With the new Data Import Automation option, sales representatives can build configurable items and quotations with the most up-to-date data, which improves quote and order quality and client satisfaction. This helps organizations become more nimble and robust to fluctuating data types, such as supply chain changes and currency fluctuations, because data input is automated.

Data Import Automation is especially useful for dealing with data that changes often, such as costs, currency rates, components data, and part lead times. Customers control data in their current business systems and arrange automated, quality-assured releases to the sales configurator. With Data Import Automation, companies can offload repetitive manual tasks without compromising on quality, reduce time to market, and increase margins. Data Import Automation is available as an option to Tacton CPQ Enterprise and included in Enterprise+.

Product Validations for Tacton CPQ

Tacton CPQ supports even the most complex configuration scenarios. The new option Product Validations allows customers to include input from external simulation systems to find the optimal solution for these scenarios. It supports the sales representative in creating an optimal solution for both customers and manufacturers, validated against the environment where it will be used, fast and efficiently. With Product Validations, organizations can reduce maintenance of CPQ from weeks to days which can lead to significant cost savings. Product Validations is included as an option in Tacton CPQ Enterprise and Enterprise+ editions.

Enhanced Integration to Salesforce

Tacton CPQ has proven it can transform manufacturers' selling experience. The updated Integration to Salesforce makes selling configurable manufacturing products in the environment sales representatives are used to even more easy and intuitive. With a seamlessly embedded Tacton CPQ interface inside Salesforce, sales reps can both handle the customer relationship in the CRM they love, and at the same time leverage the power of accurate configuration of complex industrial equipment, including accurate pricing, quotes, and sales forecasting data.

Tacton CPQ Visualization Updates

Tacton now allows users to dynamically upload their own images and use them in the configuration. A new generation of digital-native shoppers has different expectations than previous generations. Even

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with customized items, manufacturers must provide a perfect and quick client experience. This new feature will allow companies to tailor the configured product to the specific customer and adapt the visualization to the specific customer's needs instantly. Custom Visualization Image is available as a feature in Tacton CPQ Visualization.

“Organizations today are pressed for time, dealing with costly resources, and looking to make their pricing and sales processes much more streamlined,” said Patrik Östberg, VP of Product Management at Tacton. “With these new product updates, our manufacturing customers seamlessly update the configure-price-quote process with enterprise master data, with minimal effort and maximum quality. Only Tacton's advanced CPQ has been built from the ground up for complex manufacturing, so we're able to drive massive efficiencies in product validation and bring real-time visualization to reach a new level of client service. We are pleased to deliver best-of-breed tools that address manufacturers' unique challenges and take their selling operations to the next level.”