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Acquisitions

3D Systems Updates its Shareholders on its Proposal for Stratasys

20 June 2023

3D Systems (“the Company”) today provided an update to its shareholders regarding its proposal to combine with Stratasys Ltd. (“Stratasys”) in a cash and stock merger that would convert each Stratasys share into \$7.50 in cash and 1.2507 newly issued shares of 3D Systems common stock. The combination would result in Stratasys shareholders owning approximately 40% of the combined company and receiving approximately \$540 million in cash.

President and CEO Dr. Jeffrey Graves stated, “Following the overwhelmingly positive market reaction to our proposal and the positive outreach we have received from numerous shareholders, we felt it was important to provide a public update to our shareholders, given that Stratasys has not engaged with 3D Systems since we sent our proposal 21 days ago, or commented publicly other than confirming receipt of our proposal.”

Dr. Graves continued, “We remain steadfast that the combination of our two companies offers our collective shareholders the most compelling immediate value, long-term upside, and certainty to close. The additive manufacturing industry is at a pivotal moment—and we believe that now is the right time to pursue this combination in order to leverage the advantages of scale that our combined company would deliver. We are confident that our proposal is superior to Stratasys’s existing transaction, and as such, we would expect the Stratasys Board to engage promptly with us to reach agreement on a transaction for the benefit of shareholders of both companies. We are committed to bringing this combination to fruition as quickly as possible.”

The Company notes the strong market reaction to its proposal, including that on June 2, 2023, the day the proposal was disclosed to the market by 3D Systems, Stratasys shares rose 11.26%. Further, the 11.40% increase in 3D Systems shares on the day of disclosure drove an additional value increase for both companies’ shareholders. The merits of the Company’s proposal were also highlighted by industry analysts, including Troy Jensen at Lake Street Capital Markets, who stated in a research note on June 5, 2023, “If you believe scalability is needed for the additive manufacturing industry...then the combination of 3D Systems and Stratasys probably makes the most sense.”

The Company further reaffirms the key benefits offered by the combination, which include:

- Highly Certain, Significant Value Creation
 - As of market close on Friday, June 16, proposal represents a value of \$19.31 per Stratasys share, a ~30% premium to Stratasys’ closing share price on May 24, 2023, the last trading day before the announcement of the proposed Stratasys-Desktop Metal transaction.
 - Reaffirms clearly identified cost synergies of at least \$100 million from SG&A savings, R&D integration and COGS optimization, primarily realized in the first twelve months post-close.
- No Financing Contingency

- Cash consideration funded by cash already available on the pro forma balance sheet.
- No new debt or additional equity issuance required or contemplated at this stage.
- High Confidence in Regulatory Clearance
 - Complementary platforms present minimal direct product overlap while creating significant synergies in R&D spend optimization.
 - No CFIUS or ITAR closing conditions required.
 - 3D Systems is confident that all applicable regulatory clearances of the proposed combination will be obtained.
- Transactional Speed and Certainty
 - Entrance into a definitive merger agreement without delay and on terms that provide Strasys shareholders with at least as much deal certainty as the existing all-stock merger agreement with Desktop Metal.

Goldman Sachs & Co. LLC is acting as exclusive financial advisor and Freshfields Bruckhaus Deringer (US) LLP, together with Herzog, Fox & Neeman in Israel, is acting as legal counsel to 3D Systems.

Forward-Looking Statements

Certain statements made in this document that are not statements of historical or current facts are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of the company to be materially different from historical results or from any future results or projections expressed or implied by such forward-looking statements. In many cases, forward-looking statements can be identified by terms such as “believes,” “belief,” “expects,” “may,” “will,” “estimates,” “intends,” “anticipates” or “plans” or the negative of these terms or other comparable terminology. Forward-looking statements are based upon management’s beliefs, assumptions and current expectations and may include comments as to the company’s beliefs and expectations as to future events and trends affecting its business and are necessarily subject to uncertainties, many of which are outside the control of the company. The factors described under the headings “Forward-Looking Statements” and “Risk Factors” in the company’s periodic filings with the Securities and Exchange Commission, as well as other factors, could cause actual results to differ materially from those reflected or predicted in forward-looking statements. In particular, we note that there is no assurance that a definitive agreement for the transaction referenced in this document will be entered into or consummated or that integration will be successful or synergies will be realized if such transaction were to be consummated. Business combination proposals, transactions and integrations are subject to numerous risks and uncertainties. Although management believes that the expectations reflected in the forward-looking statements are reasonable, forward-looking statements are not, and should not be relied upon as a guarantee of future performance or results, nor will they necessarily prove to be accurate indications of the times at which such performance or results will be achieved. The forward-looking statements

included are made only as of the date of the statement. 3D Systems undertakes no obligation to update or revise any forward-looking statements made by management or on its behalf, whether as a result of future developments, subsequent events or circumstances, or otherwise, except as required by law.

Accenture Completes Acquisition of Flutura

23 June 2023

Accenture has completed its acquisition of Flutura, an industrial artificial intelligence (AI) company, headquartered in Bangalore, India. Terms of the transaction, which Accenture announced on March 21, 2023, were not disclosed. Flutura strengthens Accenture's industrial AI services for clients in the energy, chemicals, metals, mining, and pharmaceutical industries.

Accenture Invests in Parfin to Build Responsible, Compliant Web3 Infrastructure for Financial Institutions

20 June 2023

Accenture has made a strategic investment through Accenture Ventures in Parfin, a leading provider of responsible, compliant Web3 infrastructure services to financial institutions in Latin America. Founded in 2019, with headquarters in London and Rio de Janeiro, Parfin offers digital asset custody, trading, tokenization and management tools to some of Latin America's largest financial institutions. Accenture's investment in Parfin marks its first Accenture Ventures "Project Spotlight" investment in Latin America.

The next iteration of the Internet will require new forms of digital ownership that will be powered by technologies such as blockchain, AI, and confidential computing that enable new forms of digital currency, digital identity, and digital assets. Parfin is currently developing Parchain, a permissioned blockchain technology that is designed to enable regulated entities to participate in decentralized finance (DeFi) and asset tokenization. This technology enables financial institutions to participate in this new digital economy and is well-positioned to play a role in broadening the scope of the Digital Real, Brazil's central bank digital currency.

"Web3, new forms of digital identity and end-to-end digital asset platforms like Parfin's are challenging global financial services organizations to rethink their digital asset strategies," said Mauricio Barbosa, Financial Services group lead, Accenture Brazil. "Powered by Parfin's enterprise-grade digital assets and blockchain infrastructure, Accenture is accelerating and enabling Brazil's largest financial services institutions to leverage digital asset transactions with a compliant, secure technology platform."

"The digital asset economy is extremely relevant to Accenture and our clients, and with our deep expertise in financial services, we are uniquely positioned to capture this emerging opportunity," said Leonardo Framil, Growth Markets CEO at Accenture. "Web3 requires new infrastructure that financial institutions, particularly those in emerging growth markets, don't have, and we believe Parfin is a perfect fit with our strategy to advance the adoption of digital currency around the world."

In March 2022, Accenture formed the Accenture Metaverse Continuum business group, which combines metaverse-skilled professionals and deep capabilities in customer experience, digital commerce, extended reality, blockchain, digital twins, artificial intelligence and generative AI to help clients design, execute and accelerate their spatial experiences and digital ownership journeys.

"Accenture's global presence, coupled with its industry expertise in technology and financial services, makes them an ideal strategic investor to help us advance our development of next generation infrastructure for the global adoption of digital assets," said Marcos Viriato, co-founder and CEO of Parfin. "With Accenture's support, and the introductions they can make on our behalf, we are even better positioned to help our existing clients in Brazil execute their digital asset strategies and expand our solution offerings to new clients in other parts of Latin America and around the world."

Parfin is the latest company to join Accenture Ventures' Project Spotlight, an engagement and investment program focused on investing in companies that create or apply disruptive enterprise technologies. In addition to funding, Project Spotlight connects emerging technology startups with the Global 2000 to fill strategic innovation gaps and offers extensive access to Accenture's domain expertise and enterprise clients, helping startups harness human creativity and deliver on the promise of their technology.

Terms of the investment were not disclosed.

Hexagon enhances its additive manufacturing solutions with the acquisition of CADS Additive

23 June 2023

Hexagon AB, the global leader in digital reality solutions, combining sensor, software and autonomous technologies, has completed the acquisition of CADS Additive GmbH, a fast-growing provider of specialised software that helps companies prepare designs for metal additive manufacturing (AM).

3D printing complements incumbent technologies by offering manufacturers greater design freedom and the potential to reduce waste and increase flexibility. CADS Additive simplifies the process of 3D printing on powder bed fusion (PBF) machines. The software guides users through the build preparation, helping companies turn design files into printer instructions and improve their manufacturing productivity.

CADS Additive has been a partner of Hexagon since 2021, integrating its build preparation and support structure creation capabilities with Hexagon's market leading Simufact Additive process simulation software. Shared development roadmaps will further improve workflows, allowing users to adjust the orientation and support structure of their 3D prints. This will help shorten the additive manufacturing (AM) workflow and provide easy-to-follow steps to mitigate quality implications caused by changes to the orientation or support structure.

The AM Studio software from CADS Additive is already connected to Hexagon's Nexus digital reality platform. The software will complete Hexagon's Nexus-enabled AM workflow, applying

its extensive technology portfolio to computer aided design (CAD) model preparation, build preparation, simulation-based optimisations, quality and production intelligence, and the automation of computer aided manufacturing (CAM) to finish parts.

“Our investments reflect the growing importance of additive manufacturing, which has huge potential but has been held back by a fragmented ecosystem that means manufacturers are not getting the results they need fast enough. The acquisition of CADS Additive enables us to provide our customers with integrated tools that empower manufacturing teams to reduce waste and increase efficiency as they move from prototyping to production,” said Hexagon President and CEO Paolo Guglielmini. “Opening up the Nexus platform to our ecosystem partners and providing building blocks like CADS Additive helps customers improve their processes throughout the manufacturing value chain and realise the potential of industrial additive manufacturing.”

Founded in 2016 and headquartered in Perg, Austria, CADS Additive GmbH has 21 employees serving 150 customers in 25 countries through 19 resellers. The company will operate as part of Hexagon’s Manufacturing Intelligence division. The acquisition has no significant impact on Hexagon's earnings.

IFS Acquires Poka

20 June 2023

IFS, announces it has signed a definitive agreement to purchase Poka, Inc. (Poka) the market leading Quebec based provider of a connected worker platform. Poka enables factory and field workers to be more efficient across all aspects of their jobs from training and development to troubleshooting. This capability enables businesses to measure productivity across machinery and operators globally and therefore provides a clear insight into profitability. Poka also provides actionable insights for companies to stay compliant and provide safer working conditions as part of their ESG goals.

Over the past decades companies have invested trillions of dollars enabling back office workers to do their jobs. With the massive focus on efficiency, industry 4.0 and the merging of the physical and digital worlds to drive automation, companies are now looking to enable factory and field workers to work smarter, safer and more efficiently.

The acquisition puts IFS at the nexus of this trend as it now combines its ERP / FSM / EAM technology with Poka and extends its value all the way to the actual user empowering them at every step.

Founded in 2014 by Alexandre Leclerc and Antoine Bisson – the company has customers in 55 countries which include brands such as Nestlé, Tetra Pak, Mars, Bosch, RioTinto, Coty, Alcoa, Hitachi Energy, Mahle, and more. For companies such as these, recent global events have created a heightened degree of complexity, and uncertainty in labor availability as well as impacted supply chains and raw material sourcing. To address these business challenges, organizations are doubling down on their efforts to achieve faster digital transformation. At the heart of this renewed focus is the need to empower their own employees making the Connected Worker a key focus.

Connected Worker technologies go beyond delivering a software application to help workers do their jobs better. When frontline workers are digitally connected, companies are better able to gather and share critical operational data real-time, leading to optimized work systems where insights are contextualized and responsive.

IFS CEO, Darren Roos, commented “The concept of a connected worker is synonymous with the augmented worker because of the direct impact on improving productivity and operational efficiency. With a potential manufacturing skills gap in the U.S. alone which could result in 2.1 million unfilled jobs by 2030*, closing this gap, it is as much a technology need as it is a change management and worker empowerment need. Improving access to information and knowledge means workers can become part of an integrated continuous improvement cycle.” **Roos added:** The concept of connecting every single worker was historically overlooked as part of digital transformation journeys yet, giving workers the ability to get information whenever and wherever they are in the factory not only improves their experience, it is fundamental to building manufacturing agility something we understand very well at IFS.”

Alexandre Leclerc, CEO of Poka commented: “We are incredibly proud of the best-in-class platform we’ve built and our pioneering leadership in the Connected Worker space. Becoming part of IFS will enable us to further innovate and extend the value we create for manufacturers” **He added:** “As the global workforce crisis deepens, more companies are looking to scale their digital factory projects across the enterprise **Leclerc concluded:** “With the help of IFS’s global presence and industry experience, Poka will be better equipped to deliver on its mission at scale.”

Poka was the recipient of an Open Bosch Award in recognition of outstanding innovation and was distinguished as a top Connected Worker vendor in Gartner’s Hype Cycle for Manufacturing Operations Strategy, four years in a row.

Company News

Ansys Expands Presence to Africa with New Office in Rwanda

22 June 2023

Ansys, the global leader and innovator of engineering simulation software, is establishing its first physical presence in Africa with a new office in Kigali, Rwanda. Opening in August, the office will expand Ansys’ world-class customer support team, servicing Ansys’ global customer base out of Kigali Innovation City, a growing Pan-Africa technology hub.

Ansys’ Innovation City location will neighbor and partner with CMU-Africa, the only U.S. university conducting research and offering master’s degree programs supported by full-time College of Engineering faculty, staff, and operations in Africa. The partnership includes campus-wide access to Ansys Academic software for teaching and research, supporting students to graduate with the resources they need to usher in a new era of innovation and design.

Kigali Innovation City is central to Rwanda’s vision to become a pan-African hub by co-locating technology companies, startups, academia, financial investors, and other services

focused on progressing cutting-edge ideas from the research and development phase through to commercialization.

“We are tremendously excited to establish Ansys’ presence in Africa and immensely proud to expand our current partnership with Carnegie Mellon in Kigali Innovation City,” said Anthony Dawson, vice president of customer excellence at Ansys. “Further, our partnership brings together two world leaders with a global mindset in engineering, computer science, and simulation technologies.”

“Ansys is a powerful partner to join Carnegie Mellon’s mission to accelerate the digital transformation of Africa and enable Africa’s leaders of tomorrow to make an extraordinary impact in their communities and the world,” said Bill Sanders, dean of the College of Engineering. “CMU-Africa is an important part of our college, and we are proud of its achievements over the past 12 years and excited by the enormous economic potential we see going forward,” he added.

Ansys Study Finds More than 60% of Consumers are Concerned About CO2 Emissions

20 June 2023

More than 60% of consumers are worried about carbon dioxide (CO2) emitted from aircraft and would pay more for greener air travel, according to a comprehensive consumer survey commissioned by Ansys (NASDAQ: ANSS). Released today at the Paris Air Show, Ansys’ Sustainable Aviation Survey also explores consumers’ concerns with aviation-related air pollution as well as their expectations for next-generation air travel.

As global aviation leaders and organizations aim to reach net-zero carbon emissions by 2050, aircraft manufacturers are embracing Ansys’ leading-edge digital transformation technologies to develop more efficient aircraft, engines, and propulsion systems.

Of consumers polled in Ansys’ survey, nearly 70% said they would be more likely to trust alternative fuel sources — sustainable aviation fuel (SAF), electric, hybrid-electric, or hydrogen-powered — if the technology was extensively simulated and tested using established methods applied to aircraft safety. Additional highlights of the survey include:

Sustainability

- A majority of consumers are concerned about CO2 emissions (63%) and would pay for greener air travel (65%)
- 46% would travel in an aircraft powered by sustainable aviation fuel (SAF) in the next 5 years, 36% in electric, 38% in hybrid-electric, and 38% in hydrogen-powered aircraft.
- About a third of consumers (32%) are more likely to fly with airlines committed to reducing their carbon footprint.

The Future of Flight

- Most respondents (82%) would be comfortable flying in next-gen aircraft at speeds of 3,500 mph versus standard aircraft that flies at 560 mph to get to their destinations faster. Shortened flight times provide a significant benefit for consumers, as 50% of respondents reported that they have not traveled somewhere in the past due to a long flight.
- More than half of consumers (57%) expect to fly in an electric vertical take-off and landing (eVTOL) aircraft at some point in their lives, citing potential benefits for daily commuting, including a reduction in stress (27%), road rage (26%), and carbon footprints (35%).
- Almost half (47%) of consumers polled are prepared to fly in an autonomous plane in their lifetimes.

Safety

- Despite anticipation to take an autonomous flight, the top concern for 57% of consumers is the absence of a pilot to respond to potential external or internal issues such as turbulence and flight control, respectively.
- For alternative aircraft such as SAF-powered planes, half of customers worry that technology isn't proven yet and almost 40% fear a technology failure.

“Consumer research is essential as the aviation industry transforms to meet the demands of consumers and needs of our planet,” said Walt Hearn, senior vice president of worldwide sales and customer excellence at Ansys. “Ansys’ simulation solutions not only help engineers build cleaner and smarter systems, but also help manufacturers establish trust with consumers. By virtually testing and verifying new technologies with simulation, aircraft manufacturers can demonstrate the viability of sustainable alternatives, build confidence where there is uncertainty, and expand the possibilities for next-generation air travel safely and efficiently.”

Visit Ansys at the 2023 Paris Air Show in France from June 19-25 to learn more about simulation’s impact in the aviation industry.

Bechtle’s own brand achieves Global Recycled Standard

19 June 2023

Bechtle Logistik & Service GmbH receives the Global Recycled Standard (GRS) certificate, bolstering the sustainability of its own brand Articonas’ portfolio. The GRS is an international, voluntary, full product standard that sets requirements for third-party certification of recycled content, chain of custody, social and environmental practices and chemical restrictions.

Bechtle has been selling its range of IT workplace accessories under its Articonas name since 2018. “It’s our goal to offer our customers sustainable, quality IT products. This independent certification is testament to our efforts,” says Patrick Vorgerd, Member of the Board, Bechtle Logistik & Service GmbH, and Head of Articonas.

Complex certification process.

Bechtle Logistik & Service GmbH at the Group headquarters in Neckarsulm, where the Bechtle-own brand is located, as well as other Bechtle sales companies in Germany and abroad were evaluated in an extensive auditing process, which laid the foundation for the certification of Articon products. To gain the seal of approval, each product is reviewed individually.

The aim of the GRS is to reduce the negative impact of the production process on both people and the environment. In addition, standardising the definition of recycling enables consumers to compare products and hence make more well-founded buying decisions. Manufacturers are also required to track recycled materials used in their products and make sure they amount to at least 50 per cent, and the certification also guarantees a transparent supply chain, from raw materials to the end product.

“This rigorous process is in line with our own sustainability criteria and made GRS an obvious choice for us. Sustainability lies at the heart of the Articon portfolio strategy, which is why we would like to continuously expand the number of products certified according to GRS,” says Julia Schneider, Senior Category Manager at Articon, who leads the company’s GRS project. So far, around 100 products, including notebook bags, backpacks, sleeves and smartphone cases have been certified with the GRS seal, all of which are made entirely of recycled materials. The smartphone cases are shipped in FSC Recycled-certified cardboard packaging with all other products protected by reusable and durable non-woven packaging bags.

Digital Twin Consortium Elects New Steering Committee Chair

20 June 2023

The Digital Twin Consortium® (DTC®) announced it has elected Dr. Said Tabet, Chief Architect, Office of the CTO, Dell Technologies, as the new chair of its steering committee. Dr. Tabet is an expert on artificial intelligence, industrial IoT, and deep learning technologies, exploring challenges in smart facilities, manufacturing, utilities/energy, connected vehicles, IoT security, big data analytics, model-based engineering, and future technology innovation.

With over two and a half decades in the industry, Dr. Tabet has been an advisor to several large multinational companies, contributes to technology innovation forums, guides startups through mentorship and coaching, and is an entrepreneur and supporter of industry efforts encouraging new technology adoption in multi-disciplinary environments. Dr. Tabet is also a member of the Object Management Group® (OMG®) board of directors and an Industry IoT Consortium® (IIC™) steering committee member.

“We’ve been extremely fortunate to have Dr. Tabet as Secretary and member of the DTC and now as Chair of the Steering Committee,” said Dan Isaacs, the GM, and CTO, of DTC. “With his years of experience, we look forward to furthering the DTC ecosystem through Dr. Tabet’s stewardship and strong collaborative support towards taking DTC to the next stage.”

“We’ve seen tremendous growth of digital twins since the consortium’s inception three years ago,” said Dr. Tabet. “I’m looking forward to serving as chair of the DTC Steering Committee and continuing DTC’s mission to advance the adoption of digital twins.”

EU Battery Passport: The Right Data Strategy Can Turn The Circular Economy Into an Innovation Turbo

19 June 2023

In the future, the entire lifecycle of large batteries, such as those installed in electric cars, will be stored digitally. However, for the industry, the new European Union (EU) battery passport is not only a legal requirement, it is also an opportunity: modern data management makes it possible to comprehensively analyze and evaluate the continuous flow of information, starting with raw material extraction to use to recycling - thus creating more innovative products and more efficient value chains.

"Batteries with a planned service life of up to 20 years for larger batteries generate large amounts of data, covering raw material extraction, production, various usage options, and final recycling options. At the initiative of the EU, this data will have to be stored in the future," says Jens Rollenmüller, Managing Director of Aras Germany. Businesses could use this regulatory obligation to their advantage and generate valuable information and analysis from the collected data to optimize their own value chain. As a suitable option for this, Rollenmüller recommends a product lifecycle management (PLM) solution that can bring together all the design details, life phases, and usage information of the batteries via a digital thread.

According to Rollenmüller, the life phases of power storage devices are not limited to production and recycling, but also include various alternative uses. "After about ten years, batteries from electric cars have reached the end of their first life. With slight modifications, the batteries could be given a second life, for example, in charging stations for e-cars or as storage for private solar systems. By extending their useful life in this way, these batteries could be useful for 20 years before being dismantled and reused as part of a recycling strategy."

Playing out recycling scenarios digitally

In order for businesses to be able to track the various phases in the lifecycle of a battery and integrate them into an overall strategy, including upstream and downstream processes, Rollenmüller believes that a flexible solution is necessary. "With PLM, businesses integrate data from the design and manufacturing phases of a product as well as information from the supply and recycling chain. Data from the various usage phases can also be easily integrated via interfaces. This gives the company an overall picture of the battery, including an option of simulation analysis, for example, to digitally run through various recycling scenarios."

Jens Rollenmüller continues, "By linking this digital thread with operating and performance data over the entire lifecycle, businesses can gain an information advantage to implement drastic energy savings or innovations through new product developments. In short, the industrial circular economy is now finally moving from theory to practice."

Background: EU battery passport compulsory from 2027 onwards

According to the plans of the European Union, businesses will have to provide extensive data on the batteries they manufacture or sell beginning in 2027. In addition to information on the contained materials and the origin of the raw materials, data on the current condition and

recycling options will also be collected. The goal is to digitally map the entire lifecycle and design the value creation based on closed-loop principles. The battery pass thus offers the possibility of traceability of all raw materials, materials and components used, as well as dynamic deployment control in order to reuse the batteries at different locations.

L&T Technology Services extends relationship with PTC to offer digital manufacturing solutions for aerospace and defense sector

22 June 2023

L&T Technology Services Limited, India's leading pure-play engineering services company, announced an extension of its relationship with PTC to engineer future ready solutions for the aerospace, defense and transportation sectors. The parties will leverage PTC's Windchill® product lifecycle management and product data management (PLM/PDM) application to cater to players in Aerospace & Defense segments and support them with a digital thread from the design to the manufacturing stages.

Windchill® will help drive easy integration with existing architectures of the potential customers and provide a solid foundation for a product-driven digital thread. The product suite is being designed to predict aero engine and components failure, and provide engineering analytics, where LTTS will bring in the domain expertise and RUL prediction models and will leverage PTC tools/platforms to deliver a comprehensive solution for customers. This in turn will enable organizations to increase efficiencies in the automation of aerospace MRO operations. It will also help in optimizing field repairs and aftermarket support through AR/VR integrated with digital manuals (IETM) and workflow implemented through PTC ThingWorx platform.

LTTS has a global relationship with PTC to provide next generation Smart Digital Solutions & Services to shared enterprise customers worldwide. The parties have an LTTS-PTC Center of Excellence (CoE) showcasing Smart Digital Solution experiences leveraging PTC products including the ThingWorx IoT platform. With the extension to the aerospace, defense, and transportation sectors, LTTS and PTC will enable digital transformation of data from design to manufacturing stage enabling services support to airlines through PLM/PDM application. In addition to furthering the product innovation journey, LTTS will be able to offer more possibilities across the client value chain.

Alind Saxena, President, Sales and Whole Time Director, L&T Technology Services, said, "We are delighted to expand our existing alliance with PTC for the benefit of the global aerospace industry and demonstrate the power of Industry 4.0 on the manufacturing shop floor. Our joint solutions will enable leadership in Industrial IoT, Data Engineering and the entire product and service life cycle management, enabling global aerospace and defense companies to improve quality, throughput, and design while achieving greater efficiencies in manufacturing operations".

"We are excited that LTTS has chosen PTC as a key partner for delivering engineering and PLM managed services. With the extension to the aerospace and defense verticals, we and LTTS will further extend our capabilities to unlock new and improved business values across multiple industry verticals. This will further help to leverage each other's resources, technology, market

presence and engineering know-how, serving the aviation sector in EU as well as the rest of the world,” said **Stuart Heavyside, Chief Partner Officer, PTC**.

L&T Technology Services and PTC will also be hosting an exclusive networking evening at this year's International Paris Air Show where experts from across the industry will gather to discuss the latest technological innovations in the aeronautics domain.

Modelon Partners with Tae Sung S&E

22 June 2023

Modelon announced its partnership with Tae Sung S&E (in short, TSNE) to distribute Modelon Impact, Modelon's cloud-based system simulation and modeling platform, in Korea. This partnership expands Modelon's global presence and supplements TSNE's technical offerings to its existing and future clients.

TSNE is one of the largest Computer-Aided Engineering (CAE) firms in Korea, focusing on supplying CAE software, consulting, and training. With over three decades of experience, TSNE helps clients utilize CAE tools for product architecture, fluids, electromagnetics, and digital transformation projects. To further leverage the benefits of model-based systems engineering, TSNE will now support 1D CAE for system-level design and simulation with Modelon Impact. Now, engineering companies in Korea will be able to use Modelon Impact to evaluate the performance of their products down to individual systems, while bolstering collaboration within teams by being cloud accessible.

“Modelon is proud to partner with TSNE, a successful and powerful engineering firm. TSNE has consistently helped companies in Korea advance innovative technologies with CAE. With this new partnership, both Modelon and TSNE are invested in providing Korean engineering companies with the system simulation tool they need to make better product decisions and speed up the product development cycle. We're confident that Modelon Impact will give companies in Korea a competitive edge,” says Magnus Gäfvert, CEO at Modelon.

TSNE will distribute and support Modelon Impact on the cloud. This partnership also includes seminars, training courses, and consulting services provided by TSNE in the local language. As commercial demand grows, TSNE will also provide support for on-prem installations of Modelon Impact at a later date.

Jinwook, Shim, CEO of Tae Sung S&E Co., Ltd., said through the signing of this partnership, “The reliability of product development is more important than ever as product development is becoming highly complex and lead times are being shortened for competitive advantage in the market.”

TSNE will host the Tae Sung Tech Summit 2023, TSNE's yearly event on September 13, and the presentation will be prepared on how Modelon can be applied in key industries. Engineering companies in Korea are encouraged to attend this event to learn more about how Modelon Impact can benefit them. For more information about this event, please visit the TSNE homepage in August.

Newforma names Mike Lewis CMO, promotes Marge Hart and Tammy Fuller to SVP positions and appoints Stacey Vigna to lead HR

19 June 2023

Newforma, provider of project information management (PIM) software for architects, engineers, contractors, and owners (AECO) worldwide, has named Mike Lewis the company's new Chief Marketing Officer.

Lewis has 25 years of experience in marketing and sales management and leadership, including extensive experience in the B2B SaaS industry. With a proven record of building and scaling marketing and sales engines at rapidly growing organizations, he is uniquely positioned to direct Newforma's marketing efforts as the company continues to lead the construction industry with ground-breaking software solutions.

"Newforma has delivered pioneering solutions for the AECO industry for nearly 20 years, and I'm looking forward to helping guide the company as it continues to address the evolving needs of design and construction professionals," Lewis said. "This is an opportunity to shape the future of an essential industry, and I am excited to help the company expand its marketing presence with the delivery of new and innovative solutions."

Lewis is a graduate of Stonehill College and Bentley University. Before joining the team, he played a pivotal role at Everbridge, where he served as Vice President of Marketing. During his tenure, he led the company through a successful IPO, driving unprecedented stock price growth from \$12 to \$168. Notably, he built a global marketing and business development team from scratch, creating a sophisticated, metrics-driven demand generation engine.

Lewis is the author of *Stand Out Social Marketing: How to Rise Above the Noise, Differentiate Your Brand, and Build an Outstanding Online Presence* and has served on the faculty of the Clark University Graduate School of Management since 2014.

"Mike has demonstrated his ability to drive awareness and trust throughout his career," said Brock Philp, CEO of Newforma. "His commitment to elevating SaaS brands serving a wide range of industries makes him an ideal fit for Newforma. With Mike's expertise on our side, we'll continue to build on our two decades of success and innovation in the AECO industry and keep on connecting AECO professionals with the solutions they need to complete jobs on time and on budget."

Newforma is also thrilled to announce the promotion of two key executives. Effective immediately, Marge Hart has been promoted to Senior Vice President of Product Management, and Tammy Fuller has been promoted to Senior Vice President of Software Engineering. Throughout their tenure as Vice Presidents, Marge Hart and Tammy Fuller consistently demonstrated exceptional dedication and impressive proficiency in driving Newforma's product success in the AECO industry. Their outstanding leadership qualities, coupled with a deep understanding of market dynamics and customer needs, have been instrumental in propelling Newforma to new heights.

Expressing his thoughts on these well-deserved promotions, Carl Veillette, Chief Product Officer at Newforma, remarked, “Marge and Tammy’s elevation to Senior Vice Presidents is a testament to their remarkable contributions and pivotal roles in Newforma’s continuous growth. Their unwavering commitment to excellence and their ability to lead teams toward achieving outstanding results have made them invaluable assets to our organization.”

Furthermore, Newforma is delighted to welcome Stacey Vigna as the new Senior Director of HR. With a proven background in HR leadership roles at esteemed companies such as Fastmarkets, Perfecto, and Verivo, Vigna brings a wealth of experience in cultivating engaging cultures, implementing effective programs, and driving strategic initiatives. Her expertise will be instrumental in nurturing its valued talent and supporting Newforma in this time of accelerated growth.

TCS Cloud Study: UK and Ireland CIOs Prioritise Cloud Investment, Despite Macro Headwinds

19 June 2023

Tata Consultancy Services’ (TCS) latest survey of senior business leaders worldwide, ‘Connected Future: How Cloud Drives Business Innovation’ reveals that cloud remains a long-term investment priority for 60% of major corporations in the UK and Ireland, despite current macro headwinds and the recent slowing of growth of global cloud providers.

The global survey of 972 senior executives included 102 respondents from across the UK and Ireland. It reveals that innovation is a major driver of cloud investment, with 63% of UK and Irish executives reporting that cloud is crucial as a catalyst for innovation for their organisation’s future. This figure is slightly higher than the global average of 59%.

This appears particularly true for artificial intelligence (AI): 74% of UK and Irish respondents invested in AI and machine learning capabilities over the past two years, while 78% plan to do so over the coming 12 - 24 months. Both technologies are highly dependent on access to large amounts of data and scalability through cloud.

Over half of respondents from the UK and Ireland (56%) ranked ‘new ways of working to improve employee engagement and productivity (e.g., remote collaboration technology)’ as their most desired outcome for cloud-enabled innovation. Progress is underway, with 32% already realising their desired innovation outcomes in this area.

In addition, the study also finds a clear majority of respondents (75%) in the UK and Ireland are using cloud technologies to achieve their sustainability goals, this is higher than the global average of 67%. However, 48% reported difficulty in understanding the carbon footprints of cloud providers. This suggests that while most respondents see cloud as an important—and thus far successful—part of their sustainability strategy and increasingly use cloud tools to assess their own carbon impact, they are now demanding the same visibility from their cloud providers.

Overall, despite significant progress in recent years, the study reveals that businesses still have a long way to go to unlock the full power and potential of cloud. Other key findings for UK and Ireland include:

- Industry clouds or ‘vertical clouds’ are rapidly emerging as a fast path to acquiring greater business expertise and capabilities, with an overwhelming majority of executives (79%) already assessing, adopting, or using them in business today. This is higher than the global average of 73%, indicating the UK and Ireland are ahead in leveraging the cloud for industry-specific applications.
- 84% respondents want to participate in digital ecosystems, but most are still far from realising their full value: 43% are still in the earliest stages of transition towards mature digital ecosystems.
- Critical skills shortages continue to affect businesses in the cloud space, around half (up to 55%) of respondents report a lack of full cloud proficiencies in-house.

Venu Gudimetla, Head, Cloud Business – UK&I, TCS, said: “Despite the challenging economic climate, a majority of businesses in the UK and Ireland are prioritising long-term investment in the cloud to power innovations such as AI and drive new business models. Interestingly, the UK and Ireland are already making progress when it comes to industry-specific cloud deployments and achieving their sustainability goals. We expect to see an acceleration of innovation, as more businesses start to leverage cloud technologies for long-term growth and profitability.”

Krishnan Ramanujam, President, Enterprise Growth Group, TCS, comments: “A desire for greater efficiency, resilience, and flexibility drove early cloud adoption, and these remain critical factors. Businesses now more fully understand how cloud drives business growth and innovation for the long-term, and for most, the journey is only just getting started.”

“Cloud is a frequent source of short-term ROI anxieties, but growth and transformation is a long game. Reconciling these two realities is a challenge and a necessity, but fully achievable with the right strategy and planning. This is critical because cloud is now the unifying digital fabric of every enterprise, fuelling powerful technologies—from generative AI to edge and quantum computing—and is ushering the next wave of innovations now and into the future,” Ramanujam adds.

The 2023 TCS global cloud study surveyed 972 senior executives at companies exceeding \$1 billion in annual revenue from multiple sectors across Asia, Europe and North America. A majority of the companies report annual revenues in excess of \$5 billion. Individual markets surveyed include:

- Continental Europe (Germany, Spain, France, Switzerland, Sweden, Norway, Finland, Belgium, the Netherlands, Luxembourg).
- UK & Ireland.
- North America (USA, Canada, Mexico).
- APAC (India, Japan, Australia, New Zealand).

To read the full report and receive further information, please visit www.tcs.com/insights/global-studies.

Touchplan and OutForm Consulting form Marketing Collaboration

15 June 2023

Touchplan, an award-winning collaborative construction planning solution, announced a marketing partnership with OutForm consulting to promote Touchplan's technology to owners, contractors, and specialty trade companies in Ireland.

"OutForm is working on projects that impact everyday life like infrastructure, manufacturing, and construction," said Touchplan Chief Revenue Officer Jimmy Suppelsa. "Our software platform will allow OutForm and their clients to have better collaboration and alignment on their projects while reducing schedule and budget slippages and enhancing safety. We are excited to partner with them to help them enhance their project work in Ireland and Europe."

With profit margins for commercial contractors averaging around 4%, construction projects have little wiggle room for unplanned expenses and delays. A specialist consulting firm in the infrastructure and construction markets, OutForm will integrate the Touchplan software across its manufacturing and construction client base in Ireland.

"At OutForm, we partner with complex organizations that deliver vital infrastructure-based services across the whole asset lifecycle," said Brian Thompson, Managing Director of OutForm Consulting. "Through collaboration, we create customized strategies that reflect our client's individual needs, establishing sustained, long-term results. Partnering with a high-end technology platform like Touchplan allows us to further empower our clients to outperform their competition and achieve sustainable success. In some cases, this software will literally take construction planning from the on-site trailer noticeboard to a real-time, accessible to all software, and will create the kind of agility required for a modern, fit-for-purpose construction sector."

Touchplan reduces time spent in construction planning meetings, reduces time spent aggregating and reporting on updated plans and reduces rework rates and avoids planning-related project delays. By supporting contractors to reduce the overstacking of trades at any one point in a project, it also improves jobsite safety.

Wipro Expands Presence in South Africa, Inaugurates New Office in Cape Town

22 June 2023

Wipro Limited, a leading technology services and consulting company, announced the inauguration of its new office at Sable Park, Century City, in Cape Town, underscoring its commitment to clients in the region.

Anis Chenchah, Chief Executive Officer – Asia Pacific, Middle East and Africa (APMEA), Wipro Limited and Member of the Wipro Executive Board, said, "The inauguration of our office in Century City, Cape Town, is a significant milestone for Wipro as it emphasizes our commitment to invest in and expand our presence across South Africa. This new office will help us better address the requirements of the growing client base in the region and provide interesting opportunities to the local talent."

Wipro's Cape Town office was inaugurated in the presence of Alderman James Vos, Mayoral Committee Member – Economic Growth, City of Cape Town, representatives from the Indian Consulate in Cape Town and from the Department of Trade and Industry (DTI), along with Wipro's clients, technology partners and local employees.

“The Business Process Outsourcing (BPO) sector in Cape Town is booming and currently more than 70,000 Capetonians are employed in the industry. That number is set to grow even further with more companies setting up shop in the Mother City. We are delighted that Wipro, a global leader focused on driving digital transformation, can contribute meaningfully to employment opportunities and digital-skill development for our local talent,” said **Alderman James Vos, Mayoral Committee Member for Economic Growth in the City of Cape Town.**

In 2021, the international BPO market in Cape Town contributed around R14 billion to the metro's economy. The city is continuously investing in skill development and promotion campaigns to leverage itself as a much sought-after destination for technology and BPO companies.

Warren Zambelli, Managing Director – Africa, Wipro Limited, said, “Wipro is developing talent and creating jobs with clients that will yield a lasting impact for our communities in South Africa. We appreciate this opportunity to expand our presence in the region and continue our momentum towards becoming the leading professional services business across the continent.”

Africa is one of the six focus regions that comprise Wipro's APMEA Strategic Market Unit. Wipro has been present in Africa since 2007, supporting enterprises and public sectors in accelerating their digital transformation to be globally competitive. Wipro also has a steadfast commitment towards local communities. We continue to build a strong local talent pool with diverse skill sets and make strategic investments that will better serve our clients. Wipro has launched various social initiatives under the Wipro SIYAPHA brand.

Wipro Recognized Among India's Best Companies to Work for in 2023 by Great Places to Work

20 June 2023

Wipro Limited, a leading technology services and consulting company, announced that it has been recognized as one of India's Best Companies to Work For 2023 – Top 100, by Great Place to Work® India, for the second year in a row. The company has also been highlighted as one of India's Best Employers Among Nation-Builders 2023.

The study awards organizations that excel in crafting people practices for their employees, proactively acting on any and all feedback to establish a high-trust and high-performance work culture and maximizing human potential by bridging experience gaps. Wipro was recognized for creating a work environment that promotes solidarity, instills a sense of trust and pride and encourages innovation.

“We are thrilled to be recognized as a great place to work for the second consecutive year. Fostering a high-performance, inclusive and diverse work culture where each of our employees feel like they belong, is paramount to Wipro's ideals. This tenet inspires us to make an impact

on our people, clients, and communities at large,” said Saurabh Govil, Chief Human Resources Officer, Wipro Limited.

“The best workplace is one that has not only revolutionized its respective industry footprint but also significantly impacted the lives of millions across the nation. Congratulations to Wipro, and all other organizations, for your unwavering dedication, relentless pursuit of excellence, and remarkable contributions towards building a prosperous India together,” said Yeshasvini Ramaswamy, Chief Executive Officer, Great Place to Work®, India.

The Great Place to Work® annual research is one of the world’s foremost authorities on workplace culture. This year, they observed that the Best Workplaces had gone above and beyond to create and sustain aspirational organizations. Every year, more than 10,000 organizations from over 60 countries partner with Great Place to Work® Institute for assessment, benchmarking, and planning of actions to strengthen their workplace culture.

Event News

Circular and digital planning for the Biennale di Venezia

21 June 2023

BIM and sustainability go hand in hand, as the German Pavilion at the Biennale Architettura 2023 entitled "Open for Maintenance" proves

A circular economy instead of a throwaway society, recycled building materials instead of overflowing landfills, conversion instead of deconstruction. This is the vision of the German Pavilion at the Biennale di Venezia 2023. From 20 May to 26 November, visitors can experience this idea at the Germany's contribution to the architecture exhibition with the resounding name "Open for Maintenance".

Greenhouse gas emissions and resource consumption

The construction industry is one of the world's largest emitters of CO2 and consumes many resources. Therefore, especially in the case of temporary buildings, such as an exhibit at the Biennale, it is important to dismantle materials carefully, repair them and then reuse them at another location.

For this reason, the curatorial team ARCH+/SUMMACUMFEMMER/Büro Juliane Greb is using building materials from country pavilions of the 2022 Biennale in the German Pavilion 2023. In this way, last year's exhibition serves as a storehouse of materials. But in order to create an entirely new building from the old and no longer needed elements, foresighted preparation is required: the key to success lies in digitisation.

Digital Building Twin

In cooperation with the Venetian initiative Rebiennale/R3B, a Digital Twin of the German Pavilion is being created. The digital image maps the entire life cycle of a building and helps with its planning, construction, operation and deconstruction. The Digital Twin catalogues all the materials used and includes all the relevant data on the individual building components.

But all this information has to be gathered first. For a conventional new building, planners can work with the BIM-enabled data sets of building components on 3Dfindit. Since they can download the 3D models there in over 100 different file formats, they are suitable for all common CAD and BIM software, so that all trades can work on the Digital Building Twin.

Special case of the circular economy

In the case of the German Pavilion at the Biennale di Venezia 2023, however, the planning team did not use new building materials, but used second-hand materials. Therefore, the existing buildings from the previous architecture exhibition first had to be inventoried. With the help of the platform Concular, a digital material database was therefore created. It records everything that was dismantled and recycled and was available for the construction of the new national pavilion: using the database, the planners matched their requirements with the supply in order to reuse building materials in a targeted manner. In this way, they were able to develop a design that conserves resources as much as possible, and the German contribution to the Biennale di Venezia is "Open for Maintenance".

ESI Group at the International Paris Airshow 2023

20 June 2023

ESI Group, the world-renowned simulation and virtual prototyping software provider for the industry, is excited to announce its participation in the 54th edition of the International Paris Airshow taking place from June 19th to 25th, 2023. ESI Group is to demonstrate the transformative power of virtual prototyping, enabling engineers to digitally validate design performance in critical areas such as product quality, production capacity utilization, safety, and security.

How simulation technology is empowering aviation businesses

Discover how ESI's simulation technology is helping leading aerospace players become faster, greener, and more efficient by accelerating structural transformation and expanding digital capabilities. Innovate without compromise to create a cleaner and safer world: <https://www.youtube.com/watch?v=xrOXIT5bWgU>

Software solutions presented:

- [VA One](#), one of the flagship Aerospace products of ESI Group, is a software tool used to analyze and simulate noise and vibration in engineering and design processes. Engineers can assess and optimize designs to reduce noise and vibration levels, identify potential noise and vibration sources, study sound transmission paths, and evaluate the effectiveness of noise control measures. This software plays a crucial role in the Aerospace industry including the new entrants like eVTOL players, where noise and vibration control are essential for product performance, comfort, and safety.

- ESI's team of simulation experts will demonstrate a new way of experiencing Human Centric Process Validations in a fully collaborative environment with [IC.IDO](#), ESI's Virtual Reality Engineering Software. Through Virtual Prototyping, complex scenarios can be run with maximum comfort using untethered headsets, including pass-through technology, while easily engaging stakeholders to make earlier decisions.

- Discover how [casting simulation](#) helps foundry professionals control the impact of each parameter and optimize the entire process. ESI Group will showcase how its [composite solutions](#) enable its customers to create feasibility studies at the design stage, to consolidate their manufacturing process.

Virtual Prototypes empower engineers to digitally validate a design's performance in terms of product quality, production capacity utilization, safety, security, and operational and maintenance costs. ESI Group's solution helps aerospace companies reduce their environmental footprint by eliminating the need for physical mock-ups and avoiding the late discovery of inefficiencies during production or maintenance. Virtual Prototyping is one of the most innovative ways to minimize cost overruns, prove manufacturability, and ensure process consistency. ESI Group is committed to shaping a better future by harnessing the power of technology to push boundaries and drive progress.

Come and visit ESI Group: Hall 4, Booth D92 (Pole Astech).

[Link toward press booklet](#)

OPEN MIND at EMO 2023

12 June 2023

OPEN MIND will focus on turning, milling, and the importance of CAM software and MES in connected manufacturing environments at EMO 2023. The CAD/CAM manufacturer is more than aware of the importance of the world's leading trade fair for manufacturing technology, which is why this year's booth has been upgraded to be larger and feature better media tech than ever before. Located in Exhibition Hall 9 at the Hanover Exhibition Grounds, Booth A05 covers 150 square meters and will be where visitors will get the chance to learn everything there is to know about the *hyperMILL*® CAD/CAM suite from 18 to 23 September 2023.

Live demonstrations on a GROB G350T mill-turn machine will be held at the booth to display what the milling-turning technologies of *hyperMILL*® TURNING Solutions can do. The live demos will also include milling, drilling, and angle head support, as well as how to use a virtual machine to simulate machining of finished NC code. *hyperMILL*® TURNING Solutions include technologies for turning, turn-milling, and mill-turning, meaning they can be used for all corresponding machine configurations. Last but not least, OPEN MIND's demonstrations will also feature automation solutions to help make creating error-free NC programs simpler and faster.

Connected manufacturing

OPEN MIND has been positioning *hyperMILL*® as a vital building block in the digitalization of process chains since the acquisition of MES manufacturer Hummingbird in early 2022. Connected manufacturing will also be on the agenda at EMO – under the motto “Create the future of manufacturing together” – to highlight the important role of the CAM system in a connected manufacturing environment.

Examples from multiple industries

OPEN MIND will again have a large number of show parts at its booth to help visitors truly

understand what optimized machining looks like. The examples of industries in which *hyperMILL*® is particularly valued range from tool and mold making to aerospace and medical technology. There will also be components for equipment in the semiconductor industry on display. These components have to meet particularly high requirements in terms of dimensional accuracy and surface quality.

Special education show

OPEN MIND will take part in the Nachwuchsstiftung Maschinenbau's special education show as a cooperation partner, which will be held in Hall 8 at EMO. The show is expected to attract over 3,500 students and around 1,500 trainers and teachers have been invited to attend. The new generation will have the opportunity to get a firsthand look at the *hyperMILL*® CAM system and understand its practical importance for the process chain.

Financial News

Accenture Reports Strong Third-Quarter Fiscal 2023 Results

22 June 2023

Accenture reported financial results for the third quarter of fiscal 2023, ended May 31, 2023, with revenues of \$16.6 billion, an increase of 3% in U.S. dollars and 5% in local currency over the same period last year.

Click to download the [Q3 FY23](#) and [Q3 FY23 YTD](#) earnings infographic.

Blackline Safety to Host Investor Webcast on June 29, 2023

21 June 2023

Blackline Safety Corp., a global leader in connected safety technology, announced that it will host a webcast investor presentation on June 29, 2023 at 2:00 PM ET.

During the webcast, Cody Slater, Chief Executive Officer and Shane Grennan, Chief Financial Officer will conduct an introductory presentation that will cover key aspects of Blackline's business including corporate strategy, business model and industry-leading service offering. After the formal presentation, investors will have an opportunity to ask relevant questions through an interactive Q&A portal.

To listen to the webcast or to ask questions during the live event, please pre-register at the following link:

https://event.webcasts.com/starthere.jsp?ei=1619780&tp_key=8d4fb1fef1

An archived version of the webcast and presentation will be available on the Company's website, <https://investors.blacklinesafety.com/>.

SAP Announces Updated Time of Second Quarter 2023 Earnings Release and Financial Analyst Call

21 June 2023

SAP SE announced that it will publish its regular earnings release for the second quarter 2023 at 6:00 PM CEST / 5:00 PM BST / 12:00 PM (noon) EDT on July 20, 2023. The financial analyst call will be held at 7:00 PM CEST / 6:00 PM BST / 1:00 PM EDT on July 20, 2023.

Simulations Plus Announces Third Quarter Fiscal Year 2023 Earnings and Conference Call Date

21 June 2023

Simulations Plus, Inc. (“Simulations Plus”), announced that it will report third quarter fiscal 2023 financial results after the market close on Thursday, July 6, 2023.

Management will host a conference call that same day at 5:00 p.m. Eastern Time to discuss the results. Investment professionals and all current and prospective shareholders are invited to join the live webcast by registering [here](#). The conference call can also be accessed by dialing 1-877-451-6152 (domestic) or 1-201-389-0879 (international) or by clicking on this [Call me™](#) link to request a return call. The webcast can be accessed on the investor relations page of the Simulations Plus website at www.simulations-plus.com/investorscorporate-profile/corporate-profile/ where it will also be available for replay approximately one hour following the call.

Implementation Investments

3D Systems and SWANY Collaborate to Accelerate Adoption of Large-format Pellet Extrusion 3D Printing

19 June 2023

Today, 3D Systems and SWANY Co., Ltd. announced a collaboration intended to promote the adoption of large-format pellet extrusion 3D printing in Japan. Through this collaboration, SWANY is opening a new demo center that will include a 3D Systems EXT 1070 Titan Pellet printer (formerly Titan Atlas 2.5 HS) — the first of its kind in Japan. With this printer, 3D Systems and SWANY will showcase its capabilities to enable efficient additive and subtractive production of large-format parts. From this location, SWANY will also provide 3D printing services including design support to the Asia-Pacific region to facilitate prototyping and production for a variety of applications. Combining the companies’ application and technology expertise, 3D Systems and SWANY will also jointly develop new printing parameters to enable the use of additional mass production and recycled pellet materials to more sustainably address a broader range of applications with UCWS; Upcycling Workspace™ which recently released a framework to enable sustainable manufacturing in collaboration with the local social welfare council and companies.

SWANY's new demo center will include a 3D Systems EXT 1070 Titan Pellet printer to enable high throughput production.

SWANY chose to collaborate with 3D Systems for this venture based on the additive manufacturing solutions provider's reputation as a technology pioneer. 3D Systems' EXT Titan Pellet printers lead the pellet-based polymer extrusion 3D printing technology market. The global install base includes companies in a breadth of industries including automotive, aerospace, foundries, consumer products, and general manufacturing. By using pelletized feedstock, 3D Systems' EXT Titan Pellet printers offer up to a 10x reduction in material cost and a wider range of functional materials than traditional filament-based 3D printers. The cost savings and high print speeds facilitated by these printers make them well-suited to large-scale part production.

Additionally, EXT Titan Pellet printers offer unique tool head options. Apart from the ability to mount dual-pellet extruders, and even filament extruders, 3D Systems' customers who employ its EXT Titan Pellet printers can also opt to include a CNC milling spindle tool head. This 3-axis spindle enables high-precision surface finishing during and after printing for applications where surface finish and dimensional accuracy are paramount. The EXT Titan 1070 pellet printer SWANY purchased for its demo center includes both additive and subtractive tool heads — one pellet extruder and one milling spindle. The combination of these capabilities in one printer will enable SWANY to efficiently produce large-scale parts (e.g., large-scale patterns, molds, production batch runs, functional prototypes) for its customers with manufacturing-level accuracy, surface quality, and repeatability.

"In the production of large plastic parts for our customers, we continually found ourselves challenged to produce molds with dramatic speed and in a cost-efficient way," said Yoshihiro Hashizume, president and CEO, SWANY. "As a result, we often couldn't meet these requests and turned away business. We believe that 3D Systems' EXT 1070 Titan Pellet printer is the only tool that can overcome this challenge. Through our collaboration with 3D Systems at our new Demo Center, we are confident that the EXT Titan Pellet printers will facilitate a major change in Japan's domestic manufacturing environment for mass production."

Dennis Jung, VP, APAC sales, 3D Systems, added, "We've seen a dramatic rise in interest for our EXT Titan Pellet printers from many industries and geographies. There is an increased desire amongst manufacturers to adopt more sustainable business practices, and additive manufacturing can play a strong role in these efforts. Our extrusion technology enables manufacturers to quickly produce tooling, patterns, and end-use parts from low-cost thermoplastic pellet feedstocks. SWANY's engineers have extensive knowledge and experience in additive manufacturing and manufacturing know-how, pellet feedstocks, and milling as demonstrated by their "Digital Mold®" 3D printed injection molding application. The combination of Digital Mold with the EXT Titan Pellet capabilities showcases why our first machine in Japan will be installed at SWANY. I'm pleased that SWANY is adopting this technology and look forward to seeing the unique applications our collaboration with them will uncover."

The opening of the new Demo Center which will be located at 7361 Tomigata, Ina City, Nagano Prefecture is planned for October 2023. Manufacturers who are interested in learning more about how the EXT Titan Pellet printers can positively impact their business are encouraged to contact SWANY via email: 3dp@swany-ina.com. Additionally, anyone planning to attend Additive Manufacturing Expo | Manufacturing World Japan, June 21-23, 2023 at Tokyo Big Sight is invited to stop by the 3D Systems booth (#7-1) to speak with an expert.

Forward-Looking Statements

Certain statements made in this release that are not statements of historical or current facts are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of the company to be materially different from historical results or from any future results or projections expressed or implied by such forward-looking statements. In many cases, forward-looking statements can be identified by terms such as "believes," "belief," "expects," "may," "will," "estimates," "intends," "anticipates" or "plans" or the negative of these terms or other comparable terminology. Forward-looking statements are based upon management's beliefs, assumptions, and current expectations and may include comments as to the company's beliefs and expectations as to future events and trends affecting its business and are necessarily subject to uncertainties, many of which are outside the control of the company. The factors described under the headings "Forward-Looking Statements" and "Risk Factors" in the company's periodic filings with the Securities and Exchange Commission, as well as other factors, could cause actual results to differ materially from those reflected or predicted in forward-looking statements. Although management believes that the expectations reflected in the forward-looking statements are reasonable, forward-looking statements are not, and should not be relied upon as a guarantee of future performance or results, nor will they necessarily prove to be accurate indications of the times at which such performance or results will be achieved. The forward-looking statements included are made only as of the date of the statement. 3D Systems undertakes no obligation to update or review any forward-looking statements made by management or on its behalf, whether as a result of future developments, subsequent events or circumstances or otherwise.

AJ Foyt Racing selects IFS Ultimo EAM software for critical Parts Management, Lifting and Maintenance processes

22 June 2023

IFS, the global cloud enterprise software company, has announced that legendary American racing team AJ Foyt Racing has selected IFS as their strategic technology partner for the 2023, 2024 and 2025 IndyCar Racing seasons with options for extension.

The multi-year partnership will see AJ Foyt Racing leverage IFS Ultimo for Parts Management, Parts Lifting and Maintenance. The solution also provides capabilities for work order management, multi-location inventory management and purchase control and management.

Since the acquisition of the solution in 2022, IFS Ultimo continued to invest and expand in all its markets including North America as well as new ones. The decision to implement IFS Ultimo's Enterprise Asset Management (EAM) software came at a time when Foyt Racing was looking to digitalize their workshop with a solution for vital monitoring and management for asset efficiency, reliability and minimizing of risk.

Foyt Racing required specific functionality to enhance their central processes, having previously relied on a manual reporting lifing system. Using IFS Ultimo EAM, the race team will have an automated central input source, enabling real-time updates that monitor the chassis mileage and all the individual parts on the car at any given point in time.

In addition, to optimize asset performance, the EAM solution will enhance component-specific triggers for Foyt Racing's lifing system, enabling preventive maintenance task management, generating work orders, and providing active push notifications for required maintenance to drive optimal racing performance.

Finally, the racing industry has not been spared from supply chain challenges. With full integration between lifing, maintenance, work orders, inventory and purchase order management, Foyt Racing will be able to ensure that parts needed for upcoming maintenance are ordered in timely fashion for availability at the right time and in the right place.

In addition to becoming a strategic technology partner, IFS will collaborate with AJ Foyt Racing for a brand activation. The partnership will see the IFS logo featured on the team's No. 14 and No. 55 Indy cars in all races, testing and showcasing during the 2023, 2024 and 2025 NTT INDYCAR Series racing seasons.

IFS branding will also appear on the race suits of AJ Foyt Racing's current drivers, Santino Ferrucci and Benjamin Pedersen.

Commenting on the new partnership, **Larry Foyt**, president of A.J. Foyt Enterprises, said, "When evaluating our options, IFS Ultimo's EAM solution stood out for its flexibility and out-of-the-box functionality." **He continued**, "The racing business is highly competitive. And while there are many moving parts to every business, in the world of motorsport – it is imperative that we have the right technology to support performance and reliability. We are confident in the success of this partnership and are already discussing future opportunities with Artificial Intelligence with IFS and anticipate a new and efficient energy to take us to the victory lane."

Oliver Pilgerstorfer, Chief Marketing Officer, IFS, said, "With such a pedigree and history of talent in the American racing circuit, we are thrilled to be a strategic technology partner of AJ Foyt Racing." **He continued**, "A core value for IFS is delivering fast time to value. By increasing asset reliability and the efficiency of Foyt Racing's fleet, we are helping the team deliver at their moment of service on race day."

Bozeman Health Partners with Infor to Embed New AI Capabilities

21 June 2023

Infor®, the industry cloud company, announced the success Bozeman Health has seen with its healthcare-specific artificial intelligence (AI), supply chain (SCM), and analytics solutions. As a

primary healthcare provider in one of the fastest-growing cities in the U.S., Bozeman Health was challenged to quickly expand its patient care and services without negatively impacting quality of care and increasing costs. By partnering with Infor, Bozeman has successfully integrated AI into key processes so that the organization has the tools to be more efficient and accurate to meet demands, and make smarter decisions for supply, vendor and warehouse management. These improvements will allow Bozeman to stay true to its mission in keeping patient care high at the lowest cost possible.

In 2021, the organization put a plan in place to migrate from its legacy system to cloud-based technology in order to reduce supply costs and waste, overcome unconnected and unreliable supply data systems and processes, provide accurate information to local, state, and federal agencies, and get an accurate and timely assessment of supply availability and needs. Bozeman Health selected Infor because of the company's deep expertise in the healthcare industry and its ability to provide a scalable, user-friendly, agile solution that could quickly help Bozeman boost efficiency and streamline processes.

Bozeman Health always had a big job in managing its supply chain for medical supplies and other essentials, and with so many different departments each doing their own ordering, and doing so in their own unique ways, lack of consistency made tracking difficult. It was necessary to adopt new technology to accurately and timely assess what supplies were available, where they were, keep a better handle on supply costs, and eliminate waste. Especially during the past few years, managing inventory and demand for critical medical supplies for staff and patients became even more essential.

More recently, the team also needed reliable supply data for reporting to government agencies as well as to the organization's incident command team, which meant scaling the vendor selection process and moving from a manual, error-prone process to AI-driven vendor management that could automatically identify the right supplier, resulting in better patient care while reducing costs.

"Bozeman is one of the fastest-growing cities in America, and as we increase our services to meet new populations, Infor Coleman AI ensures we are selecting the right vendors to provide us the best quality products to care for these patients. Without these automated insights, our patients and organization would be at risk as we try to select the right vendors for new services. It also gives us the comfort level to know we are working with vendors that are high performing and federally approved," said Ryan Williams, supply chain director at Bozeman Health.

By implementing Infor's cloud-based healthcare solutions, built on Amazon Web Services® (AWS), Bozeman Health has been able to quickly adopt new processes, establish a new system of record, and implement new reporting capabilities that could adapt to the unexpected new demands. In addition, staff is able to add more reliable information into a centralized system, giving Bozeman Health leaders a single, dependable source of information.

A significant outcome of this transformation was that Bozeman Health staff was able to scale the vendor selection process with Infor Coleman AI by ranking suppliers by three industry benchmarks. Through this process, teams at Bozeman have identified 10 percent of vendors as suppliers not performing, created a faster vendor selection from 30 minutes to 3 minutes with

on-demand access to vendor performance, and became 100 percent compliant with automatic verification of vendors against the OIG Exclusion database. The organization will also save money through better negotiating power with underperforming suppliers and improve patient care by selecting vendors that deliver the right inventory at the right time.

Additional integrated AI capabilities deployed at Bozeman Health include Infor Coleman Digital Assistant (DA), which empowers employees to find information by simply asking a question via text or voice chat such as stock location, PO status, and more. No longer do employees waste time looking for information as Coleman DA is accessible directly within the cloud ERP or mobile app. This time savings also translates to costs savings, which can be used to scale and expand the organization with the growth experienced daily.

Since moving to the cloud with Infor, Bozeman Health has seen significant improvements in productivity and profitability, and the organization continues to find ways to improve processes and increase the reliability of information that gets entered into its systems with the help of Infor's software.

"In healthcare, where tracking and real-time data are essential to keep departments running, it is critical to lean on modern technology to support the growing needs of a health system," said Matt Breslin, Infor executive vice president and general manager. "Now more than ever, organizations are seeing the value in modernizing their technology solutions to focus more on integration, interoperability, and analytics. The free flow of data is critical to the success of all healthcare organizations, both operationally and in terms of patient outcomes."

Cinnamon Hotels & Resorts Spices Up its Hotel Operations with Oracle Cloud

19 June 2023

John Keells Group, the parent company of Cinnamon Hotels & Resorts, a diverse chain of hotels with a portfolio across Sri Lanka and the Maldives, selected the Oracle Hospitality OPERA Cloud suite of products, including property management, sales and event management, and MICROS Symphony Cloud point-of-sale. To best serve guests across their hotels, resorts, and restaurants, Cinnamon Hotels & Resorts was looking for a centralized, intelligent platform to run its operations. By choosing an integrated suite from Oracle, the company has ensured its staff members will gain a holistic view of its facilities and guests to better optimize administrative, technical, and service delivery tasks.

Its upcoming flagship project Cinnamon Life Integrated Resort in Colombo, Sri Lanka, as well as Cinnamon Dhonveli Maldives, Cinnamon Velifushi Maldives, and Cinnamon Hakuraa Huraa Maldives, were the first properties to launch the suite. The three resorts in the Maldives include contemporary suites and bungalows while Cinnamon Life Integrated Resort in Colombo will open its doors to residential apartments, large-scale events and meeting venues, vibrant restaurants and bars, world-class entertainment experiences, wellness centres, kids' clubs, and swimming pools, as well as other amenities. The group looks to introduce the Oracle solution across all other 12 hotels and resorts located in Sri Lanka in the near future.

"Visitors can choose from a number of properties when traveling, so the ability to create a consistent, extraordinary guest experience across the Cinnamon Hotels & Resorts brand is a key

differentiator,” said Nalaka Umagiliya, Chief Operating Officer—Group Information Technology, Senior Vice President, John Keells Group and Head of Business Systems, Leisure Group. “We’re confident that Oracle technologies will help us integrate our operations at scale, from the front desk to dining, leisure, and beyond. We anticipate that the property management functionality gained with OPERA Cloud will improve ease of use for resort staff and further enhance the guest experience.”

Spicing up its property and restaurant management

With its cloud-based architecture and hundreds of pre-built integrations, OPERA Cloud has addressed the limitations of Cinnamon Hotels & Resorts previous system by enabling its hotels to easily connect their back- and front-office systems, making it convenient for the central reservation office to view room availability and make reservations at a new location. The centralized property management system now offers the brand a complete view of hotel operations, giving leaders comprehensive insights to make impactful decisions and identify opportunities for growth.

With OPERA Cloud Sales and Event Management software, hotel staff can conduct site inspections, check the availability of inventory, and make changes to the customer’s bookings while on the go, streamlining operations and maximizing revenue. And with MICROS Symphony Cloud, staff have an intuitive restaurant point-of-sale system that has helped streamline kitchen operations, reservations, inventory, and recipe management, all while helping ensure transactional and payment information is easily accessible and stored securely in a cloud environment.

By adopting an integrated system across the resort through a single vendor, Cinnamon Hotels & Resorts has given itself a simpler way to consolidate its back-office functions to automate administrative tasks, increase employee efficiency, and connect day-to-day operations across their properties and restaurants for a more seamless guest experience.

“An integrated resort requires a truly integrated system,” said Patrick Andres, regional vice president, JAPAC hotels and food & beverage, Oracle. “The functionality and analytics built into OPERA Cloud’s property management, sales and events, and MICROS Symphony point-of-sale systems will help staff at the Cinnamon Life Hotel continue to elevate guest experiences while they improve operations.”

Corman Selects Aras Innovator to Drive Digital Transformation

22 June 2023

Aras, which provides the most powerful low-code platform with applications to design, build, and operate complex products, announced today that Corman has selected Aras Innovator to enhance its manufacturing, distribution, and sales activities. Corman is one of the largest global manufacturers of medical devices and personal care products.

For over 70 years, Corman has been committed to innovation and research in their space. As the company has grown, it has sought new ways to ensure speedy development of safe and effective solutions for the health and well-being of millions of customers worldwide. Corman

has also made sustainable practices part of its core by implementing measures that promote more efficient and environmentally friendly management of consumption. They use renewable raw and biodegradable materials, installed a solar system to generate energy, and collaborate with suppliers who comply with the rules regulations around sustainability to reduce risk.

As the company has grown in size and complexity, it needed a new product lifecycle management (PLM) solution that could guarantee more effective management of its data. The company's existing systems could no longer handle the massive amount of data it was grappling with, so it started a search for a more advanced and scalable solution.

Corman selected Aras Innovator, giving it high marks for its intuitive user-friendly interface and overall ease of use. After conducting a feasibility study to assess how Aras Innovator would meet the company's needs, Corman has moved forward with an implementation project. Using Aras Innovator, Corman expects to quickly achieve significant increases in process efficiency and organization. Aras Innovator gives Corman one platform for complete, end-to-end product lifecycle management, spanning requirements and engineering to manufacturing and operation.

Luigi Salerno, country manager, Aras Italy, said: "We are proud to accompany Corman in this important process of implementing the product lifecycle management platform. This represents a significant step towards a more efficient organization, which improves process management and allows greater traceability of crucial information."

Adriano Vitale, Process R&D Manager, Corman, said: "I am extremely happy to announce that Corman has adopted Aras' PLM platform. This decision represents an important step forward for our company, allowing us to optimize product lifecycle management processes and improve internal collaboration. We are excited to use Aras to increase operational efficiency, provide greater visibility and control over our products, and drive continuous innovation. I am confident that the adoption of this platform will contribute to our long-term success and position us advantageously in the competitive market in which we operate."

Dassault Aviation and Dassault Systèmes Partner to Bring Secure, Sovereign Collaboration on the Cloud to Next Generation Defense Programs

20 June 2023

Dassault Systèmes and [Dassault Aviation](#) today announced at the Paris Air Show, the next step in their long-term collaboration aimed at bringing the highest levels of security, sovereignty and collaboration on the cloud to major defense programs.

Dassault Aviation will use Dassault Systèmes' 3DEXPERIENCE platform on the cloud to develop its next-generation fighter, a key project in the Future Combat Air System industrial collaboration to ensure the future of European autonomy and sovereignty in defense and security.

This cloud environment will be localized in Dassault Aviation premises and operated by Dassault Systèmes through its OUTSCALE brand, whose SecNumCloud qualification is the highest security recognition given by the National Cybersecurity Agency of France.

The 3DEXPERIENCE platform provides a dedicated sovereign defense cloud in which Dassault Aviation and its partners can develop the fighter with greater agility in a highly secured and scalable environment. Users will benefit from continuous software developments by Dassault Systèmes that deliver the latest capabilities in systems engineering, program management, design, simulation and other disciplines.

“France and Europe need to build up a sovereign Cloud capability, so that they can develop collaborative defense programs with the best possible functionality. Initiatives are already in place outside Europe. We need to stay in the race. In Europe, we are fortunate to have the world leader in digital solutions for the development of industrial products in the Cloud. For our part, we're an industrial architect, a custodian of sovereignty technologies and experienced in prime contracting for major military programs, both in France and in multinational cooperation. This partnership between Dassault Aviation and Dassault Systèmes provides the first collaborative engineering solution adapted to the cyber regulations required for defense programs, and evolving at the speed of the Cloud,” said Eric Trappier, Chairman and CEO, Dassault Aviation.

As part of Dassault Aviation’s [ongoing digital transformation](#), Dassault Systèmes will also extend this infrastructure to all of Dassault Aviation’s new programs, to provide a consistent, secure environment for seamless, compliant programs.

“Society today is faced with profound challenges requiring defense programs that can ensure a safer future for citizens. In this context, industry innovators working with highly sensitive data must transform their programs – and how they work with their ecosystems – to secure every phase of development,” said Bernard Charlès, Chairman and CEO, Dassault Systèmes. “Today, our ongoing partnership with Dassault Aviation is reaching new heights – positioning us as key actors in the emergence of a European sovereign cloud with the highest level of security. As the strategic, sovereign cloud partner for governments and companies, we can bring the same security in defense to other industries such as health care and public services.”

Dassault Aviation will rely on the “Winning Concept,” “Program Excellence,” “Co-Design to Target” and “Ready for Rate” industry solution experiences based on the 3DEXPERIENCE platform, which simplify and streamline the development of highly complex systems and programs to meet budget, schedule and performance targets.

Dassault Systèmes Partnership Selected by French Government to Advance France’s Low-Carbon Aviation Industry

22 June 2023

PREFAB, a partnership between Dassault Systèmes, the aviation startup Blue Spirit Aero and the aerospace supplier Soben, was one of nine projects selected by the French government for its “produce low-carbon aircraft in France” objective – part of the “France 2030” initiative to finance sustainable innovations made in France that drive French competitiveness in the global market.

The PREFAB partnership aims to accelerate the production of a prototype of Blue Spirit Aero's hydrogen-powered aircraft, Dragonfly, and its virtual twin, to drive the industry's efforts to decarbonize aviation. Dassault Systèmes' 3DEXPERIENCE platform will support PREFAB partners by enabling new certification processes, faster compliance and conformity, and best in class industrial processes that reduce time to market.

Blue Spirit Aero has been using Dassault Systèmes' 3DEXPERIENCE platform to develop the aircraft's concept – one of the many companies leveraging virtual twin experiences to create sustainable innovations.

DB GlobalChip Deploys Cadence's Spectre FX and AMS Designer, Accelerating IP Verification by 2X

21 June 2023

Cadence Design Systems, Inc. announced that DB GlobalChip has deployed the Cadence® Spectre® FX Simulator, integrated with Spectre AMS Designer, to verify its crucial analog and mixed-signal IP, achieving a 2X improvement in performance with the required accuracy compared to their incumbent flow. The Cadence solution allowed DB GlobalChip to speed its IP development and verification cycles, accelerating time to market.

Meeting stringent design requirements for analog and mixed-signal IP while meeting customers' timelines is a growing challenge. DB GlobalChip is continuously innovating its design methodologies to shorten design and verification cycles while meeting the desired accuracy of the results. DB GlobalChip successfully utilized the Spectre FX Simulator for its analog transistor-level designs and deployed the comprehensive mixed-signal simulation solution, Spectre AMS Designer, integrated with Spectre FX Simulator, to include digital control logic to account for analog/digital interaction effects with faster performance. The design team at DB GlobalChip leveraged the Cadence mixed-signal simulation solution's out-of-the-box intuitive use model and comprehensive methodology support, which incorporates the Cadence Virtuoso® ADE Suite, providing comprehensive verification quality and coverage with significantly faster turnaround times to deliver IP to customers.

DB GlobalChip leveraged the Spectre FX Simulator's multicore architecture to parallelize simulations and easy-to-use preset options for accuracy performance tuning in their mixed-signal and transistor-level simulations. This allowed their design and verification teams to improve simulation turnaround time by utilizing available hardware resources without trading off accuracy.

"Complex analog and mixed-signal IP require very accurate FastSPICE simulations and a tight integration with the mixed-signal verification environment," said Jeongtae Park, vice president at DB GlobalChip. "Our IP designers leveraged the intuitive use model and performance of Cadence's comprehensive mixed-signal simulation solution and realized a 2X improvement in runtime and productivity while meeting stringent accuracy requirements."

The Spectre FX Simulator and Spectre AMS Designer are part of the industry-leading Spectre Simulation Platform, which offers the only complete simulation solution with multiple solvers

that enable a designer to move easily and seamlessly between circuit-, block- and system-level simulation and verification tasks. The Spectre Simulation Platform supports Cadence's Intelligent System Design™ strategy, enabling SoC design excellence.

Eviden selected by GMV for Hisdesat satellite monitoring center

19 June 2023

Eviden's SkyMon solution to monitor Spanish government satellites

[Eviden](#), the [Atos](#) business leading in security, today announces that [GMV](#), leading provider of satellite control centers, has selected [Eviden's SkyMon solution](#) for the new center being set up by Hisdesat, the Spanish Government satellite operator. SkyMon will monitor next-generation satellites from the "[Spainsat NG](#)" program, the most advanced satellites in Europe for defense and secure communications.

Eviden's SkyMon solution will continually monitor the digital spectrum onboard of the satellites and on the ground to detect any deviation from the planned traffic in one single and intuitive solution, to take counteractive measures immediately.

The solution will support the new technology used in next-generation very high throughput satellites, "Digital Transparent Processor" (DTP). DTP provides high dynamic channelization and transparent routing capabilities for advanced space telecommunication applications, which require a high performant real-time monitoring system.

By incorporating next-generation payload with DTP, Spainsat NG will increase the capacity of satellites and maximize the use of the resources in an efficient and flexible way. This approach requires the Carrier Monitoring Solution to interact permanently with the satellite and to use it as a remote monitoring site. SkyMon, with its cloud-based state-of-the-art microservice architecture, allows implementing such capability on a very robust and scalable basis.

"Eviden's SkyMon solution has a proven track record in the market, and we are delighted to be working with GMV to bring our expertise and technologies to support the Spanish government's satellites." said **Bruno Milard, VP, Head of Aerospace & Defense Electronics, Eviden, Atos Group.**

"Satellite monitoring is a demanding field, and we need leading-edge partners to work with us. We are very pleased to benefit from Eviden's experience and to leverage our synergies." said **Enrique Fraga, General Manager of GMV's Space Systems EST.**

More information about Eviden's SkyMon solution for carrier monitoring and interference localization: <https://atos.net/en/solutions/aerospace-defense-electronics/skymon>

GKN Aerospace and Materialise Sign Letter of Intent to Propel Additive Manufacturing in Aviation

21 June 2023

GKN Aerospace, the renowned aerospace technology leader, and Materialise, a global pioneer in 3D printing solutions and services, have announced the signing of a letter of intent (LOI)

aimed at advancing the research, design, and production of polymer additively manufactured (AM) parts for the aviation industry. The LOI was signed at the Paris Air Show and represents an extension of their successful collaboration. Materialise has been a supplier of polymer AM to GKN Aerospace since 2015 and supported the delivery of the additively manufactured wingtip for Eviation's Alice, the world's largest all-electric aircraft, which made its maiden flight in 2022.

Together, GKN Aerospace and Materialise aim to accelerate the certification of the AM process and push the boundaries of additive production of functional and flight-critical aerostructures, leveraging its unique manufacturing benefits.

The collaboration ranges from prototyping to the production of functional and flight-critical parts, aligning with the industry's emerging sustainability trends and opportunities. In particular, the partnership will focus on electric vertical takeoff and landing (eVTOL) aircraft.

GKN Aerospace and Materialise's collaboration has already enabled significant AM milestones, including the successful delivery and certification of multiple AM parts that are flying today.

"This powerful alliance aims to leverage our combined expertise and the exceptional benefits of 3D printing to push the boundaries of innovation in the aeronautics industry," says Jurgen Laudus, Vice President of Materialise Manufacturing. "Together, we aim to drive technological advancements, respond more effectively to customer requirements, and shape the future of aerospace manufacturing."

Russ Brigham, Programme Director at GKN Aerospace said: "Materialise is a valued AM supplier for GKN Aerospace, and partnering with them on this ground-breaking technology has been a success for both companies. AM is out there and flying on aircraft around the world today and will be critical to achieve a more sustainable future of flight ahead."

The potential of AM to revolutionize the aviation industry is significant, with the creation of lighter and stronger parts that were previously unachievable with conventional manufacturing technologies while offering time and cost reductions during the manufacturing process.

GKN Aerospace and Materialise bring complementary manufacturing experience across multiple AM printing technologies. Materialise, with over three decades of experience, pioneers the production of certified parts for various industries and provides EASA 21.G-certified flying parts, software solutions, and consultancy services for the aerospace industry. GKN Aerospace, a global technology leader in additive manufacturing, has load-bearing AM structures certified and in serial production, as well as numerous other AM parts flying today for commercial, military, rotorcraft, and space applications.

Great Kitchens Turns Up the Heat on Product Development Efficiency with Centric PLM

20 June 2023

[Centric Software®](#) is delighted to announce the release of a success story about its customer, Great Kitchens.

Based in Romeoville, IL just southwest of Chicago, Great Kitchens is a pizza and flatbread company with flexible manufacturing lines to create a wide range of pizzas and flatbreads for their private-label customers. They serve major names in all North American channels: grocery, convenience stores, warehouse clubs, QSR, foodservice.

Director of Commercialization at Great Kitchens, Barb Parks, describes how she had to manage projects prior to implementing Centric PLM®: “I would go through the paper list and have to chase people down in the hallway or send them an email and then have to follow up on the email.”

During Great Kitchens’ search for an ERP, it brought to light a gap in how R&D and their product lifecycle was managed. IT Director Steve Staniszewski says, “We have so many different ingredients, our existing workflow is somewhat chopped up and data is stored so it’s chopped off. Our overall goal is to have that centralized workflow, to communicate, to know where things are in our process.”

Selection of the PLM provider came down to Centric’s easy-to-use out of the box functionality that gave Great Kitchens everything they were looking for. Parks marvels at the ease with which she is able to manage projects after Centric PLM. Using regulatory as an example, Parks says, “You can track tasks and see how long it takes to complete each one. It eliminates having to go back and search through emails for the needed information; everything is in one central location.” And manually following up is a thing of the past. “Now, I hit a button, and it sends out the tasks to everybody. It’s faster, it’s convenient.”

Read the full story to find out what sealed the deal for Great Kitchens to choose Centric Software, how easy it is to make changes to templates (spoiler: no custom coding necessary!) and an amusing anecdote about the help desk...

Read the [full story](#)

ISAE Group and Dassault Systèmes Partner to Accelerate the Digital Transformation of the Aerospace Industry

23 June 2023

Dassault Systèmes and ISAE Group, which comprises the six leading aerospace engineering schools in France, announced their partnership to develop student skills in the latest digital practices used by the aerospace industry. ISAE Group will deploy Dassault Systèmes’ 3DEXPERIENCE platform in its training programs for 7,000 students.

The agreement was signed today at the Paris Air Show by Olivier Lesbre, President, ISAE Group, and Florence Verzelen, Executive Vice President, Industry, Marketing & Sustainability, Dassault Systèmes.

The aerospace industry, long familiar with technological breakthroughs that meet the most stringent requirements, is undergoing profound change: decarbonization of air transport, growing needs for Earth observation, defense, security and communication, and increased development in the drone and space sectors. In response to these challenges and

opportunities, the entire ecosystem must digitally transform to increase the flexibility and efficiency of its innovation and collaboration processes.

In light of this change, higher education institutions must help their students acquire the skills related to these new practices. Through its partnership with Dassault Systèmes, ISAE Group will integrate the 3DEXPERIENCE platform and Dassault Systèmes' applications into its teaching to achieve the training objectives set by its schools.

The 3DEXPERIENCE platform and its applications are used to create virtual twins of products and manage their life cycle. It includes project management, computer-aided design, computer-aided manufacturing, systems engineering and structural calculations. It also includes immersive technologies and the simulation of fluids, complex systems, multi-physics systems and manufacturing processes, as well as the representation and planning of assembly lines and industry 4.0 factories.

The partnership will provide Dassault Systèmes' 3DEXPERIENCE Edu team and ISAE Group's schools with a framework for close collaboration on adopting capabilities in all curricula, establishing certification programs, and providing innovative learning, research and support for ISAE Group's startups.

"We are delighted to partner with Dassault Systèmes. This is testimony to our joint commitment to the development of knowledge and skills that will enable the digital transformation of the aerospace industry. By embedding teaching methods in the digital-driven dynamic, we are also responding to the expectations of our future students as well as manufacturers in the industry," said Olivier Lesbre.

"ISAE plays a key role in the training ecosystem in France. Our partnership will enable us to create a strong link between this ecosystem and aerospace industry manufacturers, thanks to the 3DEXPERIENCE platform," said Florence Verzellen. "The 3DEXPERIENCE platform is widely deployed across the industry. It provides an innovative and dynamic learning environment specially adapted to the scale of a network of schools for leveraging and sharing best practices in teaching."

Maeve Aerospace adopts Siemens Xcelerator for development of next generation all-electric, zero emissions commuter aircraft

20 June 2023

Siemens Digital Industries Software today announced Maeve Aerospace B.V. has adopted the Siemens Xcelerator portfolio of industry software and services to aid in the development of Maeve 01 – its next-generation, zero emissions all-electric passenger aircraft. Unveiled at the Paris Air Show, Maeve 01 enables 44+ passengers to travel in a range of 250nmi with zero emissions.

Maeve's mission is to transform regional air mobility, guided by a commitment to mitigate environmental impact. With its all-new electric aircraft design, Maeve is aiming to significantly decrease emissions and energy consumption while improving the aviation industry's economic

and social prosperity, building a sustainable future that contributes to a healthier planet for future generations.

Through their shared passion and dedication, Maeve's growing team of aviation experts is pioneering the path towards zero emission flights. Recently, Maeve Aerospace received a global interest from investors including a conditional investment of €17.5 million co-investment from the European Innovation Council and over €2,5 million in Dutch grants.

"Maeve's experienced aviation team having the Siemens Xcelerator portfolio of design and simulation tools in their toolbox has given us the perfect opportunity to take our electric aircraft design to the next level," said Joost Dieben, Co-Founder and Chief Commercial Officer, Maeve Aerospace. "Maeve is empowered with these tools and Siemens' expertise has helped us to get one step closer to zero-emission aviation. Together with Siemens, we've been able to accelerate our development process to be able to start flying before 2030."

Under the technical leadership of its new Chief Technology Officer, Martin Nuessler, the Maeve team has redesigned and optimized its earlier aircraft using the Siemens Xcelerator portfolio of industry software. Creating a digital twin of its all-electric powertrain and executing full thermal and safety simulations on its in-house designed aircraft dedicated battery system, has enabled Maeve to significantly reduce the overall weight of the aircraft. This has resulted in the reduction of aircraft structures, delivering an increase in propulsion and battery capacity. And compared to existing turboprop aircraft, Maeve 01 reduces operating costs by 30%.

"Maeve, like many aerospace industry innovators, is adopting Siemens Xcelerator as the platform of choice for the development of next-generation vehicles," said Todd Tuthill, Vice President, Aerospace and Defense, Siemens Digital Industries Software. "To meet market demands, sustainability requirements and remain competitive, aerospace companies need new ways to deliver products faster and Siemens' goal is to help our customers push the boundaries of innovation while making digital transformation easy, fast, and at scale."

Nest and TCS Expand Strategic Partnership to Provide Enhanced Member Experience

21 June 2023

Tata Consultancy Services (TCS) and Nest, UK's largest workplace pension scheme, announced the expansion of their long-standing partnership to focus on digitally transforming Nest's scheme administration services, delivering enhanced member experiences and furthering the scheme's mission of delivering better retirement outcomes for people across the UK.

Nest and TCS have worked closely since 2011 when the digital, auto-enrolment pension scheme was first launched. Responsible for end-to-end administration services across all aspects of the scheme, TCS built a greenfield operation with a user-friendly, multi-channel, self-serve model, and a robust core that easily scaled as Nest became the provider for millions of workers saving for their retirements.

As part of the partnership, TCS will help Nest transform the administration services using a future-ready, digitally enabled, omnichannel platform powered by TCS BaNCS™. Its digital-first

architecture provides APIs to enable easy integration with ecosystem partners, such as payroll providers and fintechs. It will leverage the latest technologies and data analytics to deliver personalized, self-directed experiences to members. This will enable Nest's 12 million members and 1 million employers to access the right information at the right time, in the way that suits them best.

"I'm looking forward to continuing our journey with TCS and exploring the opportunities ahead of us. We have a strong foundation after many years of working together and they've proven their ability to deliver successfully for a scheme the size and complexity of Nest. This puts us in an excellent position to further advance our operations and build a truly digital offering that delivers a superior customer experience long into the future," said **Gavin Perera-Betts, Chief Customer Officer, Nest**. *"The interests of our members are always our top priority and drive every decision we make and we're rightly ambitious about what we can achieve for them. I'm confident that our partnership with TCS will enable us to develop our world class service to further support millions to enjoy a better retirement."*

"The purpose-driven partnership between Nest and TCS resulted in an immensely successful pension plan for the UK workforce, that is now a global benchmark on how an innovative, user-friendly, auto enrolment pension scheme should be run," said **Vivekanand Ramgopal, President, BFSI Products & Platforms, TCS**. *"We are delighted to further expand this long-standing partnership with Nest and support them in pushing the boundaries in offering compelling omnichannel member experiences to the new generation of workers entering the workplace. We are looking forward to leveraging our contextual knowledge, technology expertise and proven platform to help Nest realise our shared vision for the future."*

TCS BFSI Platforms is an end-to-end digital ecosystem that powers the journeys of life, pensions/annuities, property/casualty, and health insurance providers. This SaaS-first platform helps companies manage enterprise simplification, deliver superior customer experience, and achieve digital transformation.

Notes to Editors

Nest's scheme administrator manages a range of services including enrolling members, collecting contributions, managing accounts and accessing savings, employer participation, and passing funds to the fund administrator.

Peugeot Drives New Revolution in Car Interior Design With Stratasys 3DFashion Technology

22 June 2023

Stratasys Ltd., a leader in polymer 3D printing solutions, announced that global automotive manufacturer Peugeot has integrated Stratasys' innovative 3DFashion™ technology into the interior of its new Inception concept, achieving a level of resolution that would not have been possible with traditional embellishment methods.

Heralding a new era for the Stellantis-owned Peugeot brand and embodying its vision for future electric vehicles, the Inception concept is the first design manifesto led by the company's brand

design director, Matthias Hossann, and represents a major change for the marque. The car incorporates an interior design described by the company as ‘revolutionary’, and features advanced materials produced exclusively using Stratasys J850™ TechStyle™ 3D printers.

The vehicle interior of the Inception concept is aligned with Peugeot’s new design architecture for electric vehicles. It features a minimalistic cockpit designed to support the car’s overall objective of reinventing the driver experience. Integral to this experience are immersive seats covered with a velvet made from 100% recycled polyester. This velvet extends onto the floor and features stunning 3D patterns created with Stratasys’ 3D printing technology.

“At Peugeot, we always like to combine function with aesthetics,” said Maud Rondot, CMF Designer, Advanced Design Team at Peugeot, the department responsible for the future vision of the Peugeot brand. “Our objective with the Inception concept’s seating area was to modernize the velvet material used and decompartmentalize the design by extending it to also serve as a visually impactful floor mat,” she explained.

According to Rondot, where the floor area space would typically need to be treated with a protective overlay, the Inception concept instead leverages direct-to-textile 3D printing to deliver a unique coalescence of functionality, texture and aesthetics. She believes this would not have been achievable with other technologies.

“Although we have access to relatively flat designs with current embellishment methods, it is not possible to build thickness and height. This is why we turned to Stratasys, and it is thanks to the company’s exclusive 3DFashion technology that we could 3D print directly onto the flexible material,” she added. “Often, there is a delta between what we imagine and what we can obtain, so it was quite magical to see our idea arrive precisely as envisaged and with a remarkable quality of execution.”

A fundamental theme of the Inception concept aims to capture the relationship between materials and light, which required the Peugeot Advanced Design team to use materials that would befit the car’s specific look and embody the brand’s vision for future electric vehicles.

To support this move towards new architecture, new space and decompartmentalization, Peugeot worked with single material effects. This saw the team select a metallic shade for the velvet, which is designed both visually and symbolically to play with light and convey something more futuristic, before using the J850 TechStyle 3D printer to create the semi-transparent ‘micro-architectures’.

“Instead of covering the whole stretch of material, it was really advantageous that we could leave the velvet visible,” Rondot added. “3D printing gave us the ability to modify and reprint the files very easily, but also important is its durability and efficiency; indeed, as a technology it doesn’t require molds, which is revolutionary in terms of industrialization.”

PROSTEP SPONSORS TU DARMSTADT'S DART RACING TEAM

23 June 2023

The DART Racing Team at TU Darmstadt recently unveiled the pi2023 electric bolide, with which the team will compete in four Formula Student competitions this summer in the

categories Electric and Driverless. The PROSTEP logo has been emblazoned on the monocoque of the newly designed vehicle for the first time. The Darmstadt-based PLM consulting and software company is now supporting the Formula Student team of the local TU as a Gold Sponsor. PROSTEP had previously sponsored students by donating powerful computers for performing complex simulation tasks.

Formula Student (FS) is an international university design competition that was launched in the USA in 1978. As part of this competition, students from different disciplines work in teams to design and build a single-seater racing car with which they compete against rivals from all over the world in the different FS competitions. "It's not the team with the fastest race car that wins the respective competition, but the one with the best overall concept," says Felix Schwerdtfeger, Head of Undercarriage of the DART Racing Team. "This includes, for example, proper cost planning and other economic aspects."

The TU Darmstadt Racing Team (DART) was founded in 2005 and has been participating in the FS competitions since 2006 without interruption, aside from the interruption caused by the pandemic, initially with a racing car with combustion engine. The team equipped a vehicle with an electric drive for the first time in 2011 and has also been competing in the Driverless class since 2017. The team developed the xi2020, a "hybrid" vehicle that combines both classes, for the first time in the 2020 season.

The pi2023 takes this concept a step further and provides for technical innovations and further development of its predecessor, which was the first to be equipped with an electric motor developed in house. The new bolide will participate in its first races from 12 to 16 July 2023 at the Autodromo Riccardo Paletti in Verano de' Melegari, Italy. The DART Racing Team has qualified for a total of four FS competitions in Italy, Hungary, the Czech Republic and Germany. The FS Germany will again be held at the Hockenheimring race track, where the team achieved a respectable 5th place in the Driverless class last year with the Omikron2022.

PROSTEP is keeping its fingers crossed for the team, and not just for the racing season that is about to start. "Our sponsorship is intended as a long-term commitment," states Joachim Christ, the company's director of marketing. "We want to encourage young engineers who are working on topics of the future, such as electromobility and autonomous driving, as these topics are also very important for PROSTEP and its customers. This will also allow us to further strengthen our long-standing relationship with TU Darmstadt."

Siemens Xcelerator speeds development of maglev system to beat global traffic

22 June 2023

Siemens Digital Industries Software announced that skyTran, developer of a personal rapid transit system taking aim at the world of gridlocked traffic, is using software from the Siemens Xcelerator portfolio to develop and manufacture a new maglev transport system. Using Simcenter™ MAGNET™ software, skyTran reduced physical prototyping costs by 90 percent.

Founded in 2011 and now a NASA Space Act company, skyTran is headquartered in Huntington Beach, California. skyTran is a high-capacity, personal mass transit system and its on-demand, personal occupancy vehicles allow riders and cargo to travel above the road at motorway

speeds and beyond. Vehicles operate autonomously and use proprietary switching technology to safely navigate complex guideway networks direct-to-destination without the constraints of ground-based corridors.

The system uses a modified and improved maglev variant called electrodynamic suspension based on coupled levitation and propulsion systems. skyTran's propulsion system uses a drive motor with a magnetic rotor and aluminum stator. In contrast, the levitation system uses the electromagnets in the vehicle and their interaction with the steel guideways.

To develop this revolutionary transport system, skyTran has a full-scale test rig, but each test takes a lot of time and cost. Additionally, it can be difficult to visualize what's happening in the physical system while it is operating. Gaining further insight necessitated adding sensors but these can influence the results from the test rig. To overcome this, the team wanted a simulation solution that could help reduce the scale of the test rig program and interrogate the test in new, faster and cheaper ways. skyTran chose Simcenter MAGNET from the Siemens Xcelerator portfolio to help them confront these issues.

"By using Simcenter MAGNET we can speed up the manufacturing of the parts and building the test fixture process by four times compared to when we don't do any simulation," says Iana Volvach, Finite Elements Analysis Engineer, skyTran. "In terms of the cost, we can save a lot since we don't buy the parts to create every single experiment and the test fixture for it. When modeling with Simcenter MAGNET we can reduce the cost spent on prototypes by 90 percent compared to when no simulation is used."

Sky Eye Systems Achieves Italy's Highest Safety Certification for Lightweight Drones Using Dassault Systèmes' 3DEXPERIENCE Platform

21 June 2023

Dassault Systèmes announced that Sky Eye Systems, an Italian startup specializing in the development of unmanned aerial solutions, used the 3DEXPERIENCE platform on the cloud to manage the certification process of its lightweight drone, the Rapier X-25. The Rapier X-25 achieved the highest safety certification from the Italian government for a drone of its weight, making it the only system in the mini class authorized to fly without restrictions.

Sky Eye Systems had been using Dassault Systèmes' solutions to design the drone, and wanted to accelerate and facilitate its certification by bringing full visibility and traceability to the product development life cycle.

It implemented the "Reinvent the Sky" industry solution experience based on the 3DEXPERIENCE platform to connect legacy design data to a cloud-based environment in which designers and engineers could work simultaneously and effectively on the same virtual twin with a real-time view of all development. The 3DEXPERIENCE platform on the cloud was a clear choice for the startup, allowing it to get up to speed without needing an established server infrastructure or making a big upfront investment. A seamless flow of data enabled teams to manage and show the workflows and history related to design changes that comply with stringent industry standards.

“Our teams already see the benefits of working on the 3DEXPERIENCE platform. It is clear that it can answer our needs, now and in the future,” said Filippo Carraresi, Chief Commercial Officer, Sky Eye Systems. “Now that the Rapier X-25 is certified, we are using the 3DEXPERIENCE platform to develop other models that share some of the technology, and ensure that the changes we made to Rapier configurations carry through into these models. The cloud enables us to accelerate time to market and the development of new systems for specific applications. We aim to save at least 30% in product development time and meet key milestones.”

Designed for applications including civil protection, pollution control and land surveillance, the Rapier X-25 weighs up to 25 kg and boasts a 10-hour flight endurance, a 90-km datalink range, and sophisticated onboard sensor payload capabilities. Its compliance with strict airworthiness and military operational requirements by the Italian Directorate of Air Armaments and Airworthiness (DAAA) is recognized by NATO, making it extendable to other countries in the European Union.

“The 3DEXPERIENCE platform on the cloud helps companies accelerate the product lifecycle from concept to certification and gain critical first mover advantage,” said David Ziegler, Vice President Aerospace and Defense, Dassault Systèmes. “In three years, Sky Eye Systems leveraged the platform’s long-established methodologies and best practices for compliance in the aerospace and defense industry to develop one of the safest, most efficient and sophisticated drones on the market in its weight category. New ways of working open up new opportunities to unleash sustainable innovation.”

Tier One Aerospace Supplier SABCA Group Selects Dassault Systèmes’ 3DEXPERIENCE Platform to Future-Proof Its Business

22 June 2023

Dassault Systèmes announced at the Paris Air Show that SABCA Group, the Belgium-based tier one supplier in the aerospace and defense industry, selected Dassault Systèmes’ 3DEXPERIENCE platform for its product life cycle management. SABCA aims to win new, complex business opportunities by ushering in a new technological era defined by the adoption of the industry’s only business experience platform.

SABCA’s decision to deploy the 3DEXPERIENCE platform follows an in-depth evaluation of solutions on the market. SABCA had established clear requirements and expectations for a new PLM system that would deliver technological capabilities to future-proof its business. It concluded that the 3DEXPERIENCE platform is the only solution that offers an integrated engineering and manufacturing experience that drives efficient collaboration and alignment among its teams.

With the 3DEXPERIENCE platform, SABCA’s manufacturing team, for example, can access and experience the engineered virtual twin of a new product early in its life cycle, in order to prepare for production sooner. Any engineering changes to this data-driven model are reflected in real time in the platform’s virtual environment. This visibility ensures that manufacturing is always working with – and making decisions based on – the latest information.

“When we set out to define what we wanted from our PLM, having an end-to-end, state-of-the-art solution that brings all users together was an imperative for our business,” said Miguel Laduron, ICT director, SABCA Group. “The 3DEXPERIENCE platform is the most cutting-edge, future-proof solution on the market for achieving our PLM strategy. We can efficiently integrate customer requirements, design and manufacturing. This technological advantage will reinforce our position as a key supplier to original equipment manufacturers in every industry sector we serve.”

“There is a massive transformation underway among manufacturers and suppliers to drive efficiency and meet customer demands. The 3DEXPERIENCE platform is a key lever for achieving innovation strategies across engineering, life cycle management, sustainability and other areas. Tier one suppliers like SABCA Group can connect engineering and manufacturing capabilities in one collaborative virtual experience for a streamlined approach to their business,” said David Ziegler, Vice President, Aerospace and Defense Industry, Dassault Systèmes.

University of Maine Partners with Infor Hospitality

22 June 2023

Infor®, the industry cloud company, announced that the University of Maine in Orono has decided to implement Infor Point of Sale (POS). University of Maine and UMaine Dining are committed to bringing excellence and value to campus. To reach their mission of providing innovative choices, wellness and sustainability, while intertwining quality assurance with superior guest satisfaction, they decided to streamline operations and enhance the overall guest experience with Infor’s modern POS technology.

Infor Point of Sale (POS) is designed for full- and quick-service restaurants, and managed food services in higher education, healthcare, corporate, and more. This restaurant POS solution enables them to optimize operations, exceed guest expectations, and increase business insight. Hospitality providers can implement a variety of options—terminal, kiosk, tableside, poolside, and beyond—to serve guests virtually anywhere. The solution is designed to serve food services concepts in colleges and university settings, helping managed food service organizations to increase operational efficiency, create better experiences for faculty and students, and promote greater profitability.

“For the hospitality industry, it is critical to align with the consumer culture shift to keep up with engagement and demand. Thanks to emerging technology trends, guests have an unprecedented variety of ways to engage with food service locations to access goods and services,” said Joe Vargas, Infor Hospitality senior vice president. “Infor’s new partnership with University of Maine will help provide the functionality, integration, and customer support needed to deliver more memorable services and events for today’s modern guest.”

Product News

Centric Software and Vizoo Integration Establishes 3D Materials Hub

21 June 2023

Centric Software®, the Product Lifecycle Management (PLM) market leader, and Vizoo, the material scanning and digitization innovator, have announced a strategic partnership. Centric Software provides the most innovative enterprise solutions to plan, design, develop, source, price and sell products such as apparel, footwear, sporting goods, furniture, home décor, consumer electronics, cosmetics, food & beverage and luxury to achieve strategic and operational digital transformation goals.

Based in Germany and operating globally, Vizoo is the market leader in material scanning and digitization solutions for fashion, furniture and automotive purposes. Vizoo provides technology, know-how and support for material digitization and digital processes, and is the number one solution for scanning materials such as fabrics, leathers and other textiles in the apparel industry.

Vizoo and Centric Software are integrating digital materials more deeply into the product lifecycle by connecting Vizoo's solutions directly with Centric PLM®. Designers and product developers can now scan materials from Vizoo, with this information syncing directly into the Centric PLM materials library. 3D asset visuals and data are automatically updated in the Centric platform and, by extension, into all applicable Centric Software solutions such as Visual Boards.

"Together, we have built a seamless connection between Vizoo and Centric solutions," says Ron Watson, EVP Products, CSO at Centric Software. "Vizoo's groundbreaking material digitization technology is a solution of choice for our customers in apparel and other soft goods products, and we are delighted to partner with Vizoo to transform how customers work with digital materials. Centric PLM integrates easily with other platforms, enabling teams to work in their familiar solution environment, like Vizoo, while interacting directly with product information in Centric PLM. This integration reinforces Centric PLM's position as the hub for 3D assets and further streamlines the product concept-to-launch process."

"As the market leader in material digitization solutions, connectivity is very important to us," says Martin Semsch, CEO at Vizoo GmbH. "Our integration with Centric PLM allows users to easily transfer digital assets throughout the design and development organization as well as the supply chain."

Customers who use both Centric PLM and Vizoo solutions are already working with the connector to revolutionize everyday design, sourcing and product development processes.

"Vizoo is at the cutting edge of materials digitization," says Fabrice Canonge, President of Centric Software. "At Centric, we pursue a 3D agnostic strategy and partner with best-of-breed solution providers to enrich user experience and enhance overall solution capabilities. By closely integrating Vizoo 3D assets and workflows into the Centric platform, it is faster, easier

and more efficient for our customers to leverage digital materials in Centric PLM, further streamlining product go-to-market while also reducing overall costs and environmental impact.”

EPLAN Data Portal Update 01 June 2023

6 June 2023

444 manufacturers and more than 1,420,000 data sets are available with the update June 06, 2023.

New manufacturer catalogs

- Invertek Drives Ltd .– 37 new data sets with converters
- Nanjing New Power Electric Technology Co., Ltd. – 116 new data sets with sensors, switches and pushbuttons
- Shenzhen WELLAUTO Technology Co., Ltd. – 71 new data sets with PLC
- Prosoft Technology (NFPA) – 32 new data sets with cables, generals, miscellaneous and transmission paths

Updates and new data

- ABB LTD – 98 updated data sets with converters and protection devices
- Bernstein AG – 94 new data sets with generals
- Bosch Rexroth AG – 1 new data set with sensors
- Danfoss Drives A/S – 156 new data sets with converters
- ETI Elektroelement d.o.o. – 386 new data sets with enclosures and miscellaeous
- Fuji Electric FA Components Co., Ltd. – 922 new and 5,602 updated data sets with contactors, relays and protection devices
- HELUKABEL GmbH – 15,078 updated data sets with connections and cables
- Igus GmbH – 28 new and 1 updated data sets with motors
- ifm electronic gmbh – 57 new data sets with general, electrical engineering - special items, PLC, sensors, switches and pushbuttons
- J. Schmalz GmbH – 1 new data sets with pumps
- Lapp Kabel GmbH – 32 new data sets with plugs
- Murrelektronik GmbH – 296 new data sets with cables and PLC
- NanJing Solidot Electronic Technology – 177 updated data sets with PLC
- NOARK Electric Europe s.r.o. – 846 new and 100 updated data sets with contactors, relays and protection devices

- Phoenix Contact GmbH & Co. KG – 4 new and 19 updated data sets with protection devices and terminals
- Pilz GmbH & Co. KG – 4 new and 38 updated data sets with contactors, relays and PLC
- Rittal GmbH & Co. KG – 673 new and 2 updated data sets with enclosures, housings and lock systems
- Siemens AG – 15 new and 3 updated data sets with PLC, voltage sources and generators
- Tekima S.r.l. – 2,191 new data sets with routing accessories
- WAGO GmbH & Co. KG – 20 new and 449 updated data sets with PLC, sensors, switches and pushbuttons, terminals, voltage sources and generators
- Zhejiang CHINT Electric Co., Ltd. – 1,124 new and 394 updated data sets with electrical engineering - special items and protection devices

Summary

- 4 new manufacturer
- 22 updated manufacturer
- 7,010 new data sets
- 21,961 updated data sets
- 0 deleted data set
- 26,753 new parts with EDS
- In total 841,541 parts with EDS
- In total 291 manufacturers with EDS parts
- In total 1,443,931 data sets live in EDP

LTIMindtree Launches Canvas.ai, A Generative AI Platform To Accelerate Concept-To-Value Realization For Enterprises

21 June 2023

LTIMindtree, a global technology consulting and digital solutions company, launched Canvas.ai, an enterprise-ready generative AI platform designed to accelerate the concept-to-value journey for businesses using mindful AI principles.

Canvas.ai is among the first-of-its-kind platform designed to help enterprises jump start and scale generative AI capabilities, bolstering business innovation and engineering productivity. Leveraging well-architected framework and sound governance measures, Canvas.ai effectively manages proprietary and industry-specific data, while factoring its ethical use, sustainability, privacy and security. The platform-based architecture of Canvas.ai caters to the business requirements of three key personas – creators who build the generative AI solutions, admins who manage, and users who consume governed generative AI solutions.

Debashis Chatterjee, Chief Executive Officer and Managing Director at LTIMindtree said, “Generative AI is a seminal trend that is slating the next phase of autonomous enterprises. Through our 4E model of Educate, Experience, Explore and Employ, we remain invested in helping our clients adopt and adapt generative AI ways of working. We are happy to note that several global clients are already leveraging Canvas.ai to solve for unique business needs in their journey towards digital transformation and cutting-edge experience.”

Nachiket Deshpande, Whole-Time Director and Chief Operating Officer at LTIMindtree said, “With Canvas.ai, clients gain access to LTIMindtree’s partnership with leading Large Language Model (LLM) providers and ecosystem of proprietary accelerators, domain-specific solution and product offerings, and future-ready talent pool. This will help clients harness the power of Generative AI and build out solutions for data monetization, productivity co-pilots, and engineering frameworks. Furthermore, the platform-centric design of Canvas.ai makes it adept at facilitating standardization, while accommodating the upgrades to generative AI technology, promoting enterprise-wide efficiency and reducing infrastructure and operating costs in the long term as clients digitize their core businesses.”

Canvas.ai guarantees up to 40-50% reduction in time and effort for app modernization and cloud migration programs.

“Rapid advancements in technology and pervasiveness of generative AI make it necessary for organizations to carefully weigh in the ethical ramifications of its adoption,” said Jitendra Putcha, Global Head, Data, Analytics and AI at LTIMindtree. “With built-in features such as explainable AI and security-first approach, which serve as guardrails, Canvas.ai prevents the abuse of the technology. It can help organizations traverse data regulations, minimize unintended bias and ensure transparency across the business supply chain. It gives them the scope for mindful innovation and the resources to deploy generative AI responsibly.”

Canvas.ai is available for clients globally through LTIMindtree’s Generative AI Studios in Warren, NJ; Dallas, TX; Hartford, CT; and Minneapolis, MN in US; London and Paris in Europe; and Mumbai, Bengaluru and Hyderabad in India.

OneSky and Ansys Expand Autonomous, AI-Based Advanced Air Mobility Solutions

20 June 2023

OneSky Systems (OneSky) and Ansys are collaborating to progress autonomy in advanced air mobility (AAM) solutions. OneSky is providing its airspace expertise and technology integrated with Ansys’ solutions to develop artificial intelligence (AI)-based software equipped with perception and decision-making software.

The collaboration enables OneSky and Ansys AAM customers to train and validate neural networks (NN) with mission-driven simulation to significantly reduce the risk, time, and costs associated with physical testing required for airworthiness certification. The software accelerates and enhances the development, validation, and certification processes of autonomous AAM transport systems.

As the leading developer of uncrewed traffic management (UTM) and testing in support of urban air mobility (UAM) platforms, OneSky combines its operations simulation and flight planning methodologies with Ansys' autonomy solution to strengthen the fidelity of its systems-level simulations. This integrated solution provides aircraft developers and suppliers with end-to-end workflow solutions to help ensure unmanned aircraft systems (UAS) are safe, efficient, compliant, and scalable from one vehicle to a full fleet. From the concept of operations (ConOps) to mission validation, the integrated Ansys and OneSky solutions allow customers to safely train, test, and validate critical UAS and AAM applications, building confidence around AI-based software and autonomy in embedded systems.

"The integrated Ansys and OneSky solutions provide customers with a vast and thorough digital simulation range where we can position systems, supporting infrastructures, and simulations in a safety-critical space to analyze before building prototypes or physically flying in the airspace," said Bob Hammett, CEO at OneSky. "By enabling customers to carefully develop, validate, and certify their AAM software, Ansys and OneSky are helping support hundreds of innovative organizations to safely adopt, manage, and operate autonomous UAS and AAM vehicles."

Leveraging Ansys' model-based environment and OneSky (authoritative) airspace modeling, customers can drive the analysis, development, and airworthiness certification of autonomous software for AAM applications. Combining high-fidelity simulation and digital mission engineering helps enable customers to develop and validate systems in action against mission and agency requirements. Digital mission engineering expands simulation from a static model to an interactive model of the operational environment, which is critical in accurately predicting and validating the behavior of autonomous systems.

"As digital transformation continues to disrupt traditional aviation technologies, the need to test and validate autonomous and AI-based systems becomes even more necessary," said Walt Hearn, senior vice president of worldwide sales and customer excellence at Ansys. "Ansys' simulation and digital engineering platforms, combined with OneSky's airspace modeling, empower customers to model an entire system-of-systems inside a realistic and time-dynamic 3D simulation to gain a clear understanding of behavior and mission performance."