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CIMdata News

Free Webinar on Understanding AI's Place in a PLM Environment

9 January 2024

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces an upcoming free educational webinar, "AI & PLM: Beyond All the Hype." The webinar will take place on Thursday, 8 February 2024, at 11:00 a.m. (EST) and will last for one hour.

Without a doubt, Product Lifecycle Management (PLM) is the innovation engine for product manufacturing businesses as it helps orchestrate the creation, maintenance, and reuse of digital assets central to developing new products and services. In recent years, the Internet of Things (IoT) has begun to foster end-to-end lifecycle connectivity in PLM, leading to unprecedented growth in structured and unstructured product-related data that can augment human intelligence through appropriate analysis.

As a result, we can now leverage the big data flowing within PLM and across adjacent enterprise solutions to explore new PLM-related Artificial Intelligence (AI) applications. This exploration promises to bring superior products and related services to markets faster and cheaper.

This free webinar will delve into the emergence of these transformative topics and more. Join us for an insightful discussion on how these advancements are shaping the future of PLM, bringing about a paradigm shift in how we conceive, develop, and bring products to market faster and more economically.

Attendees at this webinar will:

- Better understand AI's place within a PLM environment.
- Acquire practical insights on leveraging AI within a PLM context and discover its transformative potential.
- Understand how AI can effectively manage and derive actionable insights from the overwhelming data deluge.
- Learn how to demystify the world of AI and Machine Learning and gain a comprehensive understanding of their applications and benefits.
- Be exposed to relevant analytics techniques and real-world use cases, providing a comprehensive understanding of AI's practical applications.
- Learn how to extract meaningful intelligence from PLM-related data, enhancing decision-making and strategic insights.
- Discover how to become an innovator equipped with AI capabilities.

According to Peter Bilello, CIMdata's President & CEO and the host for this webinar, "We hear a lot of hype related to AI. So, as PLM professionals, we must ask ourselves how real it is and

whether it has a place within a PLM environment. The answer is yes. In fact, CIMdata fully supports the exploration and adoption of AI as part of enterprise digital transformation for realizing augmented intelligence capability in PLM through its frameworks.”

Peter Bilello has over 35 years of experience developing business-enabling IT solutions for research, engineering, and manufacturing organizations worldwide. He has participated in PLM analysis, selection, implementation, and training; CAD/CAM/CAE/CIM implementation and management; synchronous and lean manufacturing consulting; software engineering; and general data management strategy development and support. He has authored numerous papers and research reports on PLM and related topics, and his articles, commentaries, and perspectives have appeared in publications throughout the Americas, Europe, and Asia.

People from multiple levels of an organization will find the information in this webinar pertinent and valuable. Executives responsible for PLM initiatives, those responsible for digital transformation, PLM team leaders, PLM team members, PLM users, product managers, IT leadership, PLM solution providers, or anyone else who wants to understand AI trends and status within the global PLM industry will benefit from attending.

During the webinar, attendees will have the opportunity to ask questions about the topics discussed. To find out more, visit: <https://www.cimdata.com/en/education/educational-webinars/webinar-ai-plm-beyond-all-the-hype>. To register for this webinar, please visit <https://register.gotowebinar.com/register/789538843211879511>.

Acquisitions

ABB acquires innovative optical sensor company to expand smart water management offering

8 January 2024

ABB announced that it has agreed to acquire Canadian company Real Tech, a leading supplier of innovative optical sensor technology that enables real-time water monitoring and testing. Through the acquisition, ABB will expand its strong presence in the water segment and complement its product portfolio with optical technology critical for smart water management. Financial terms of the transaction that is expected to close in Q1 2024 were not disclosed.

Unlike traditional water quality measurement, which can be a time-consuming process, Real Tech’s product portfolio provides critical measurements in real-time. This enables better process control and continuous water quality assurance. Real Tech’s patented solutions cover the entire digital water value chain for water quality monitoring with a focus on data creation and analytics.

Real Tech’s portfolio includes optical sensors, controllers and a suite of optional accessories that allow each system to be configured according to customer needs. Leveraging the power of light, the sensors measure water composition. They use spectrophotometry and fluorescence measuring techniques to move testing from the lab to the process environment for real-time use. Liquid AI®, a proprietary AI software platform, completes the service offering, providing an

easy and accurate way to analyze data from Real Tech sensors. The company has approximately 40 employees and is based in Whitby, Ontario.

“We are excited to welcome all our new colleagues to the ABB family,” said Jacques Mulbert, Division President, ABB Measurement & Analytics. “We look forward to jointly driving the innovation and growth journey of Real Tech. Joining forces with ABB will accelerate the deployment of Real Tech's technologies through the vast ABB global sales and service network, making a step change in access to market. The acquisition is an important part of ABB Measurement & Analytics' strategy, which includes adding advanced environmental technologies to the portfolio.”

“When we founded Real Tech almost 20 years ago, we were set on developing optical sensor technology that would advance the management of water into a new era,” said Jodi Glover, CEO and co-founder of Real Tech. “Our real-time water quality monitoring sensors and data analytics capabilities are empowering our clients, both utilities and industries that manage water in their operation and manufacturing processes, with the critical insights they need every minute, every day. We look forward to becoming part of ABB with our shared vision to create a more sustainable future.”

According to the UN, 2.2 billion people lack access to safely managed drinking water, while more than 4.2 billion people lack safely managed sanitation. At the same time, only 11 percent of the world's treated wastewater is reused and around half of the world's untreated wastewater still enters rivers, lakes, and seas. Advancements in water sensor technology and artificial intelligence can aid in efficient water and wastewater management. Investment in water quality monitoring, water treatment and water infrastructure has expanded dramatically worldwide. In the US, an unprecedented \$111 billion is being invested in upgrading water infrastructure over a 10-year period.

ABB acquires Sevensense, expanding leadership in next-generation AI-enabled mobile robotics

11 January 2024

ABB announced that it has acquired Swiss start-up Sevensense, a leading provider of AI-enabled 3D vision navigation technology for autonomous mobile robots (AMRs). Sevensense was founded in 2018 as a spin-off from Swiss technical University, ETH Zurich.

“This marks a significant step towards our vision of a workplace where AI-enabled robots assist people, addressing our customers' needs for greater flexibility and intelligence amidst critical skilled labor shortages,” said Sami Atiya, President of ABB Robotics and Discrete Automation. “Each mobile robot, equipped with vision and AI, scans a unique part of the building; collectively these robots complement each other's view to form a complete map, enabling them to work autonomously in a rapidly changing environment.”

The acquisition follows ABB's minority investment in Sevensense after it joined the company's innovation ecosystem in 2021, the same year ABB acquired ASTI Mobile Robotics. Financial details of the transaction were not disclosed. Following pilot customer projects in the

automotive and logistics industries, ABB will integrate Sevensense's technology into the company's AMR portfolio, offering an unprecedented combination of speed, accuracy, and payload.

Sevensense's pioneering navigation technology combines AI and 3D vision, enabling AMRs to make intelligent decisions, differentiating between fixed and mobile objects in dynamic environments. Once manually guided, mobile robots with Visual Simultaneous Localization and Mapping (Visual SLAM) technology create a map that is used to operate independently, reducing commissioning time from weeks to days and enabling the AMRs to navigate in highly complex, dynamic environments alongside people. Maps are constantly updated and shared across the fleet, offering instant scalability without interrupting operations and greater flexibility compared to other navigation technologies.

Today, this AI-enabled navigation technology is already transforming the automotive manufacturing and logistics sectors, delivering value through faster and more efficient operations. For automotive manufacturer Ford, Visual SLAM enabled ABB AMR's will create efficiency gains in production sites in the US, while Michelin will use the technology in intralogistics at its factory in Spain. Other automotive manufacturers will roll out the technology in the UK, Finland and Germany.

"Offering more autonomy and cognitive intelligence, ABB's unique market-proven technology paves the way for a shift from linear production lines to dynamic networks. Intelligent AMRs autonomously navigate to production cells, tracking stock inventory as they go and sharing this information with other robots, while collaborating safely side-by-side with humans," said Marc Segura, President of ABB's Robotics Division. "With the acquisition of Sevensense, ABB becomes the leader in next-generation AMRs, offering Visual SLAM in Autonomous Mobile Robots, together with an integrated portfolio covering robots and machine automation solutions, all managed by our value-creating software."

Gregory Hitz, CEO of Sevensense, said: "This is a significant moment in our shared journey, as we introduce our home-grown technology to a wider range of markets and sectors. ABB is the ideal home for us to continue scaling our versatile platform for 3D visual autonomy, serving OEMs across the automated material handling and service robotics industries. Together, we will redefine the limits of AI-enabled robotics."

This revolutionary technology has the potential to impact robotics far beyond AMRs, leading to greater efficiency, flexibility and accuracy throughout production and intralogistics. The technology will also continue to be sold across segments including material handling, cleaning and other service robotics fields under the product name Sevensense.

The Sevensense partnership highlights the success of ABB's commitment to nurturing the next generation of innovations. Through its partner ecosystem and collaboration with start-ups and universities, ABB develops leading technology for the benefit of global businesses. Sevensense's approximately 35 employees will continue to be based at its Swiss office in Zurich.

Accenture Completes Acquisition of Vocatus to Strengthen Behavioral Pricing Modeling

9 January 2024

Accenture has completed its acquisition of management consultancy Vocatus, which uses behavioral economics modeling to develop pricing strategies and sales concepts for business-to-business and business-to-consumer models. The acquisition strengthens Accenture's modeling capabilities for clients in Europe.

The acquisition of Vocatus, previously announced on December 12, 2023, will add more than 50 experts to Accenture's Corporate Strategy, Growth and Pricing practice. Terms of the deal were not disclosed.

Vocatus has been supporting businesses in sectors including financial services, media and telecommunications for nearly 25 years. Headquartered in Munich, the company developed a differentiated approach to behavior-based pricing with its proprietary, comprehensive GRIPS method that can identify purchasing behavior and buyer types for specific markets. The method has been verified in over 500 qualitative and quantitative studies for clients across 30 countries since 2008.

Accenture to Acquire Navisite to Help Clients Modernize and Reinvent Their Businesses with Cloud

10 January 2024

Accenture has entered into an agreement to acquire Navisite, a digital transformation and managed services provider. The addition of Navisite will bolster and scale Accenture's application and infrastructure managed services capabilities to help clients across North America modernize their IT for the AI era. The terms of the acquisition from private equity investment firm Madison Dearborn Partners were not disclosed.

Based in Andover, MA, Navisite's team of approximately 1,500 people will join Accenture's Infrastructure Engineering practice dedicated to helping clients accelerate their cloud transformations and build a strong digital core. With more than 400 cloud engineers, who hold more than 2,000 certifications, Navisite has deep experience across multiple cloud providers, enterprise applications and digital technologies, serving clients in sectors like technology, business services, healthcare, life sciences and manufacturing.

"Our clients feel a sense of urgency to modernize their enterprise and they continue to call on Accenture for help in critical areas where we excel," said Manish Sharma, CEO of Accenture North America. "With skills steeped in cloud, infrastructure and application services, Navisite's talented team expands our ability to help clients embrace new technologies and ways of working, to unlock the next-level of business reinvention."

"Most enterprise IT environments are not ready for the demands of the AI era," said Karthik Narain, group chief executive, Accenture Technology. "Adding Navisite means we can more

quickly help clients ‘run to the new’—modernizing at speed while they operate efficiently, through Accenture’s innovation-focused managed services.”

“Through the hard work and dedication of our teams, we have been a trusted digital transformation partner for growing and established global brands. Accenture is the ideal partner for Navisite’s next chapter as we expand and enhance our client service offering to drive our growth, while creating exciting new opportunities for our people,” said Mark Clayman, Chief Executive Officer of Navisite. “Together with Accenture, we will be well-positioned to scale our services and deliver practical guidance for clients seeking to modernize and build more agile, resilient, and expanding businesses.”

This acquisition is subject to customary closing conditions.

Accenture to Acquire Work & Co to Strengthen its Global Digital Products and Experience Transformation Capabilities

9 January 2024

Accenture has agreed to acquire Work & Co, a global digital product company that blends design, technology, and innovation to help companies create breakthrough products and experiences. The acquisition reinforces how continued investment by Accenture Song—the world’s largest tech-powered creative group—is creating new ways for its clients to grow while meeting their customers’ ever-evolving needs.

Founded in 2013, Work & Co has earned multiple honors for digital products it strategized on, designed, and developed, including Fast Company’s Innovation by Design Awards, Time’s Best Inventions list, and CES Innovation Awards. Work & Co has also been recognized by Forbes as one of the “Most Consequential Agencies” in business.

Globally, 97% of c-suite executives feel that their accelerated digital transformation efforts merely allow them to keep pace, not achieve new growth and customer relevance. Accenture Song and Work & Co have an aligned vision of the tremendous opportunity for building life-centric digital experiences and products in anticipation of a US\$1755 billion global digital transformation market by 2028.

David Droga, CEO at Accenture Song, said: “Game recognizes game. I have admired Work & Co’s client work, distinct model, and strong leadership for years. It’s little wonder they are widely considered as one of the world’s very best digital product companies. So, as Song continues to grow significantly, we will continue to bring more and more tech expertise and creative excellence into our Song family.”

Work & Co has deep credibility in creating flagship digital experiences and products—from mobile apps and commerce platforms to retail experiences, digital kiosks, and generative AI applications. It also helps brands define and bring-to-market digital strategies and operationalize world-class digital products at-scale. Work & Co works with clients across consumer goods & services, communications & media, life sciences, travel, financial services, digital and technology. The company has also long been known for building AI platforms and

this year has engaged with brands across travel, retail, and health to stand up new generative AI products.

Mohan Ramaswamy, Founding Partner at Work & Co, said: "Ten years ago, we envisioned a new model bringing design and technology together—embracing the notion that the best digital products and experiences not only drive value and critical outcomes for clients but make people's day-to-day lives better too. With Accenture Song, we share a like-minded belief in the power unlocked by pairing creativity and technology. It's energizing to look towards a future of collaborating on work powered by the unmatched level of scale, intelligence, sector expertise, and innovation found at Accenture Song."

Headquartered in New York, Work & Co's nearly 400 employees across the United States, Europe, and Latin America will join Accenture Song. Work & Co is the latest in a series of acquisitions that Accenture Song has made to bolster its ability to help clients grow, innovate, and sustain relevance, including Rabbit's Tale, ConcentricLife, Fiftyfive5, The Stable, and Romp.

Terms of the transaction were not disclosed. Completion of the acquisition is subject to customary closing conditions.

Addnode Group acquires Jetas Quality Systems

12 January 2024

Addnode Group announces that it has signed an agreement to acquire Jetas Quality Systems AB (Jetas), a well-reputed supplier of case management systems for issues and work orders within public transport and property management. The company is expected to have net sales of approximately SEK 6 million.

Jeta's proprietary software is, among other things, used by public transport providers for supervision, maintenance and repair of stops, weather protections and train stations. The software is also used by maintenance personnel in the property management and industry segments. A large proportion of the customers are found within the Swedish public sector.

"Forsler & Stjerna has collaborated with Jetas for many years and has always been impressed by their professionalism and ability to continuously develop their products. Together, I am convinced that we will be able to provide each other's customers with an even more comprehensive offer, not least for Sweden's public transportation sector," says Andreas Wikholm, Division President Process Management, Addnode Group.

"We are happy that Jetas Quality Systems AB is becoming part of Addnode Group. It will strengthen our position in passenger traffic and give us the opportunity to offer even more innovative solutions to our customers," says Thomas Planhage, founder of Jetas Quality Systems AB.

Jetas will be part of Addnode Group's division Process Management and the acquisition is expected to be completed by February 1st

Cadence Acquires Invecas to Accelerate System Realization

8 January 2024

Cadence Design Systems, Inc. announced that it has acquired Invecas, Inc., a leading provider of design engineering, embedded software and system-level solutions, headquartered in Santa Clara, California. The purchase adds a skilled system design engineering team to Cadence, with expertise in providing customers with custom solutions across chip design, product engineering, advanced packaging and embedded software.

Accelerating trends such as digital transformation of multiple vertical markets and more system companies building custom silicon continue to drive strong design activity. Additionally, with classic Moore's law slowing down, new "More than Moore" technologies, such as advanced 2.5D/3D packaging and chiplets, are paving the way for significant performance and manufacturing efficiencies. These strategic generational trends, underpinned by advancements in AI, are ushering in a new era of design and spurring a rapidly growing customer need for skilled end-to-end engineering expertise in enabling their custom silicon and system development efforts.

The acquisition brings a skilled engineering team centered in Hyderabad, led by Invecas CEO Dasaradha Gude, that has vast experience in delivering end-to-end system solutions with deep expertise in advanced nodes, mixed-signal, verification, embedded software, packaging and turnkey custom silicon production. Invecas has built close relationships with key players in the design ecosystem as well as with top foundry and assembly and test partners. With extensive experience designing chips and taking them to production, Invecas has served hundreds of customers across various verticals, including mobile, networking, hyperscaler and automotive. In addition to Cadence's leading EDA solutions, Invecas will also leverage and augment Cadence's broad IP portfolio to enable more comprehensive custom product solutions.

"With complexity and challenges increasing due to the proliferation of AI, 2.5D/3D and chiplet designs, customers need access to experienced teams that can assist with bringing designs from ideation to production," said Boyd Phelps, senior vice president and general manager, Silicon Solutions Group, Cadence. "With the acquisition of Invecas, Cadence is able to scale our system design engineering offerings to support customers in critical high-growth verticals who are faced with the need to aggressively increase performance while tackling ever-increasing system-level complexity."

"Generational trends are accelerating the increases in design complexity and driving a customer need for skilled engineering talent that can assist with system design," said Dasaradha Gude, CEO, Invecas. "We are excited to join the Cadence team and to enhance the solutions available to customers, utilizing our core expertise to accelerate customer silicon and system development efforts."

The terms of the transaction were not disclosed. The acquisition is expected to be immaterial to Cadence's total revenue and earnings this year.

HPE to acquire Juniper Networks to accelerate AI-driven innovation

9 January 2024

Hewlett Packard Enterprise and Juniper Networks, Inc., a leader in AI-native networks, announced that the companies have entered a definitive agreement under which HPE will acquire Juniper in an all-cash transaction for \$40.00 per share, representing an equity value of approximately \$14 billion.

The combination of HPE and Juniper advances HPE's portfolio mix shift toward higher-growth solutions and strengthens its high-margin networking business, accelerating HPE's sustainable profitable growth strategy. The transaction is expected to be accretive to non-GAAP EPS and free cash flow in the first year post close.

The acquisition is expected to double HPE's networking business, creating a new networking leader with a comprehensive portfolio that presents customers and partners with a compelling new choice to drive business value. The explosion of AI and hybrid cloud-driven business is accelerating demand for secure, unified technology solutions that connect, protect, and analyze companies' data from edge to cloud. These trends, and AI specifically, will continue to be the most disruptive workloads for companies, and HPE has been aligning its portfolio to capitalize on these substantial IT trends with networking as a critical connective component.

Combining HPE and Juniper's complementary portfolios supercharges HPE's edge-to-cloud strategy with an ability to lead in an AI-native environment based on a foundational cloud-native architecture. Together, HPE and Juniper will provide customers of all sizes with a complete, secure portfolio that enables the networking architecture necessary to manage and simplify their expanding and increasingly complex connectivity needs. Leveraging industry-leading AI, the combined company is expected to create better user and operator experiences, benefitting customers' high-performance networks and cloud data centers.

Through its suite of cloud-delivered networking solutions, software, and services including the Mist AI and Cloud platform, Juniper helps organizations securely and efficiently access the mission-critical cloud infrastructure that serves as the foundation of digital and AI strategies. The combination with HPE Aruba Networking and purposely designed HPE AI interconnect fabric will bring together enterprise reach, and cloud-native and AI-native management and control, to create a premier industry player that will accelerate innovation to deliver further modernized networking optimized for hybrid cloud and AI.

Upon completion of the transaction, Juniper CEO Rami Rahim will lead the combined HPE networking business, reporting to HPE President and CEO Antonio Neri.

"HPE's acquisition of Juniper represents an important inflection point in the industry and will change the dynamics in the networking market and provide customers and partners with a new alternative that meets their toughest demands," said Neri. "This transaction will strengthen HPE's position at the nexus of accelerating macro-AI trends, expand our total addressable market, and drive further innovation for customers as we help bridge the AI-native and cloud-native worlds, while also generating significant value for shareholders. I am excited to welcome

Juniper's talented employees to our team as we bring together two companies with complementary portfolios and proven track records of driving innovation within the industry."

"Our multi-year focus on innovative, secure AI-native solutions has driven Juniper Networks' outstanding performance," said Rami Rahim, CEO of Juniper Networks. "We have successfully delivered exceptional user experiences and simplified operations, and by joining HPE, I believe we can accelerate the next phase of our journey. In addition, this combination maximizes value for our shareholders through a meaningful all-cash premium. We look forward to working with the talented HPE team to drive innovation for enterprise, service provider and cloud customers across all domains, including campus, branch, data center and the wide area network."

Compelling Strategic Benefits

- **Compelling pro forma financial profile.** In addition to the expected non-GAAP accretion, the combined company is expected to have attractive top- and bottom-line growth opportunities immediately and in the long term.
- **Positions HPE for long-term growth for shareholders and greater investment capacity.** With Juniper, HPE's portfolio will be weighted toward higher-growth, higher-margin businesses with large free cash flow potential, positioning HPE to enhance shareholder return and enabling additional investments in high-growth areas, such as AI and cloud. On a pro forma basis, the new networking segment will increase from approximately 18% of total HPE revenue as of fiscal year 2023 to approximately 31%^[1] and contribute more than 56%^{1.[2]} of HPE's total operating income.
- **Complementary capabilities to deliver next-generation AI-native networking and enable new digital experiences through secure, intelligent connectivity.** Networking will become the new core business and architecture foundation for HPE's Hybrid Cloud and AI solutions delivered through our HPE GreenLake hybrid cloud platform. The combined company will offer secure, end-to-end AI-native solutions that are built on the foundation of cloud, high performance, and experience-first, and will also have the ability to collect, analyze, and act on aggregated telemetry across a broader installed base. This will drive even better end-user experiences and streamlined network operations for our customers.
- **Accelerates HPE's strategic evolution and expands total addressable market.** The acquisition increases the scope of HPE's networking business and will create meaningful opportunities to provide even more comprehensive solutions to Juniper's installed base of enterprise customers, communication service providers and tier-one cloud customers, as well as launches HPE into adjacent large segments, including data center networking, firewalls, and routers. It also grows Juniper's footprint in data centers and cloud providers.

Transaction Details and Approvals

Under the terms of the agreement, which has been unanimously approved by the Boards of Directors of HPE and Juniper, Juniper shareholders will receive \$40.00 per share in cash upon the completion of the transaction. The purchase price represents a premium of approximately

32% to the unaffected closing price of Juniper's common stock on January 8, 2024, the last full trading day prior to media reports regarding a possible transaction.

The transaction is expected to be funded based on financing commitments for \$14 billion in term loans. Such financing will ultimately be replaced, in part, with a combination of new debt, mandatory convertible preferred securities, and cash on the balance sheet. The transaction is currently expected to close in late calendar year 2024 or early calendar year 2025, subject to receipt of regulatory approvals, approval of the transaction by Juniper shareholders, and satisfaction of other customary closing conditions.

The combination is expected to achieve operating efficiencies and run-rate annual cost synergies of \$450 million within 36 months post close. Strong growth in free cash flow, along with maintenance of capital allocation policies, are expected to provide sufficient room to reduce leverage to approximately 2x in two years post close. Following the completion of the transaction, HPE will continue its innovation and go-to-market investments in its networking business, one of its growth engines.

Advisors

J.P. Morgan Securities LLC and Qatalyst Partners are serving as HPE's financial advisors. Committed financing for the transaction has been provided by Citigroup Global Markets Inc., JPMorgan Chase Bank, N.A. and Mizuho Bank, Ltd. Wachtell, Lipton, Rosen & Katz, Covington & Burling LLP, and Freshfields Bruckhaus Deringer LLP are serving as legal counsel. Goldman Sachs & Co. LLC is serving as Juniper's exclusive financial advisor and Skadden, Arps, Slate, Meagher & Flom is serving as legal counsel.

Conference Call Details

HPE and Juniper will host a conference call tomorrow at 7:30 a.m. CT (8:30 a.m. ET) to discuss the announcement. The call will include a slide presentation and participants are encouraged to view the presentation via webcast at www.hpe.com/investor/HPE-To-Acquire-Juniper-Conference-Call.

Infosys to Acquire Leading Semiconductor Design Services Provider, InSemi

11 January 2024

Infosys a global leader in next-generation digital services and consulting, announced a definitive agreement to acquire InSemi, a leading semiconductor design and embedded services provider. This strategic investment further strengthens Infosys' Engineering R&D capabilities and demonstrates its continued commitment to co-create with global clients to help them navigate their digital transformation journey.

Semiconductors are at the heart of the technology which is driving exponential growth of Artificial Intelligence (AI), 5G, Hyperconnectivity, High Performance Computing, Quantum Technology, Virtual Reality, IoT and Smart Devices. This collaboration will help accelerate Infosys' Chip-to-Cloud strategy, by bringing niche design skills at scale and will also pair seamlessly with existing investments in AI/Automation platforms and industry partnerships. The collaboration will aim to orchestrate comprehensive end-to-end product development for clients.

Founded in 2013, InSemi offers end-to-end semiconductor design services with expertise across electronic design, platform design, automation, embedded and software technologies. It serves leading global corporations across semi-conductor, consumer electronics, automotive, and hi-tech industries. InSemi is growing expeditiously and a team of over 900+ design specialists bring in the competitive advantage, agile mindset, and an innovative approach to build technology-led solutions that transform businesses.

Dinesh R, EVP & Co-Delivery Head, Infosys, said, "Infosys has been a leader and at the forefront of delivering cutting edge solutions across industries with Engineering R&D services. With the advent of AI, Smart devices, 5G and beyond, electric vehicles, the demand for next-generation semiconductor design services integrated with our embedded systems creates unique differentiator. InSemi is a strategic investment as we usher a next wave of growth and a leadership position in Engineering R&D."

"Over the last five years, InSemi has built a foundation with solid growth and design capabilities across the semiconductor value chain. With Infosys as our catalyst, it creates a synergistic combination that allows us to scale and bring the power of AI & Engineering R&D and next-generation technology to global clients, expanding across industry sectors. We aim to further accelerate our progress and together with Infosys, it paves a path of innovation opening new opportunities for our teams", said **Shreekanth Sampigethaya & Arup Dash, Co-Founders, InSemi**.

The acquisition is expected to close during the fourth quarter of fiscal 2024, subject to customary closing conditions.

Lectra announces the acquisition of the majority of the capital of Launchmetrics

9 January 2024

Lectra announces the signature of an agreement to acquire the majority of the capital and voting rights of the American company Launchmetrics.

As a major player in the fashion, automotive and furniture markets, Lectra contributes to the Industry 4.0 revolution by providing software, cutting equipment, data analytics solutions and associated services to brands, manufacturers and retailers.

Founded in 2015, Launchmetrics develops and sells an innovative cloud-based SaaS platform, composed of seven modules, dedicated to brand performance, for marketing and communications professionals in the Fashion, Lifestyle and Beauty markets.

In a complex and constantly changing environment – the boom in artificial intelligence usage, development of multi-channel distribution, emergence of new consumer behaviors, and changing regulatory and CSR constraints – brands must create a strong identity, develop a differentiating position to gain visibility, and optimize the identification and retention of consumers.

To support their customers during the launch of collections and at all key moments of communication with their ecosystem, Launchmetrics has developed a cloud-based platform which – by harnessing aggregated marketing data – enables its customers to orchestrate the

launch of their brand campaigns, precisely measure their effectiveness, and maximize their return on investment.

Launchmetrics is a world-renowned technology company with an unparalleled marketing data asset in the Fashion, Lifestyle and Beauty markets, thanks to its mastery of Industry 4.0 technologies such as data, the cloud, and, in particular, artificial intelligence.

In 2023, Launchmetrics' revenues are expected to be around 45 million dollars – including more than 40 million dollars in recurring revenues – and an adjusted EBITDA of around 5 million dollars generated from close to 1,700 customers in around 20 countries, including prestigious fashion brands.

“Launchmetrics wanted to join forces with the Lectra Group in order to accelerate the development of its offering on a global scale, alongside a fashion technology leader,” declares Michael Jaïs, Founder and Chief Executive Officer of Launchmetrics. *“The alliance of Launchmetrics and Lectra will enable us to enrich our respective offers with even more artificial intelligence and complementary data – both product and marketing – to provide our customers with a unique value proposition.”*

“This acquisition naturally fits with Lectra’s approach to expanding its presence in the Fashion market, by covering additional strategic links of its customers’ value chain. Combining our existing solutions with those of Launchmetrics establishes the Group as the only technological actor to support its customers from product development to production, then from collection management to marketing, e-commerce, and traceability,” adds Daniel Harari, Chairman and Chief Executive Officer of Lectra. *“After seven acquisitions over the past six years, this new strategic step enables Lectra to continue to push the boundaries by defining a new framework for Industry 4.0 in Fashion and is fully aligned with the 2023-2025 strategic roadmap, presented in February 2023,”* he concludes.

The transaction concerns the acquisition of about 50.3% of Launchmetrics in January 2024 for about 85 million dollars, this amount will depend on recurring revenues and EBITDA for 2023. Acquisition of the remaining capital and voting rights is planned in five stages: in 2025, 2026, 2027, 2028 and 2030. The total acquisition price should be between 200 and 240 million dollars, based on expected double-digit growth in both recurring revenues and EBITDA over the 2024-2029 period.

Bpifrance, being a shareholder of reference of Launchmetrics, will sell part of its shares during this transaction and will remain into the company’s capital until 2027.

Result of the tender offer filed by Keysight Technologies on ESI Group’s shares

10 January 2024

ESI Group SA (“**ESI Group**”) announces that the French Financial Markets Authority (Autorité des Marchés Financiers – AMF) published the final results of the public tender offer initiated by Keysight Technologies Inc., through its fully owned subsidiary Keysight Technologies Netherlands B.V (“**Keysight**”), for ESI Group’s shares (the “**Offer**”).

Upon the settlement-delivery of the Offer, which will occur on 18 January 2024, Keysight will hold a total of 6,055,000 ESI Group shares representing 98.2% of the share capital and 96.4% of the theoretical voting rights of ESI Group.

Based on this result, Keysight will shortly formulate a request to the AMF to implement the squeeze-out, as indicated in the Offer Document relating to the Offer.

The squeeze-out will be subject to the same financial conditions as the Offer, namely 155 euros per ESI Group share in cash.

Trading on ESI Group's shares has been suspended pending implementation of the squeeze-out.

The AMF notice of the result is available on its website (<https://www.amf-france.org/>).

Disclaimer

This press release has been prepared for information purposes only. It does not constitute an offer to buy or a solicitation to sell ESI Group securities in any jurisdiction, including France.

The dissemination, publication or distribution of this press release may be subject to specific regulations or restrictions in certain countries. Accordingly, persons in possession of this press release are required to inform themselves about and to comply with any local restrictions that may apply.

Company News

3D Systems Announces Executive Leadership Changes

10 January 2024

3D Systems announced changes in the company's leadership structure.

Reji Puthenveetil, who currently serves as EVP, Industrial Solutions, will take on expanded responsibilities as **EVP, Additive Solutions and Chief Commercial Officer**. In this role, Reji will have responsibility for all of the company's commercial operations, ranging from Sales and Marketing to 3D Systems' unique Application Innovation Group, across both the Industrial and Healthcare business units. With this consolidation of commercial responsibilities, Menno Ellis, who has served as the leader of the company's Healthcare business from its creation in 2020, will be leaving the company to pursue other leadership opportunities. Importantly, the company will continue to operate two business units, **Healthcare Solutions**, comprising both Medical Devices and Dental markets, and **Industrial Solutions**, which spans numerous industrial market verticals, from aerospace and defense to semiconductor, automotive, energy, and consumer markets.

In addition, after a productive 17-year career with the company, **Andy Johnson**, Chief Corporate Development Officer and Chief Legal Counsel, will be leaving 3D Systems to pursue new leadership opportunities. Andy will remain in his role while a search is undertaken for a new General Counsel.

Commenting on the executive leadership changes, Dr. Jeffrey Graves, President and Chief Executive Officer, said, “We are grateful to both Menno and Andy for their many contributions to the company. Since my arrival in the summer of 2020, both leaders have been instrumental in helping focus and reshape the company, as we transformed into the two distinct business units we have today. I am confident that both executives will continue to find great success in their future leadership endeavors.”

Dr. Graves continued, “This simplification of our commercial operations will support optimization of our go-to-market strategies, reduce operating costs, and enhance our ability to respond quickly to changes in the market as momentum continues to build in the adoption of 3D printing in production facilities around the world. Importantly, by continuing to operate in two business units, we will retain a strong focus on the unique needs of both our Healthcare and Industrial customers, an approach that has been very well received in the market.”

Accenture Invests in QuantHealth to Accelerate Use of AI-powered Clinical Trial Simulations to Drive Cost-Effective Drug Development

8 January 2024

Accenture announced it has made a strategic investment, through Accenture Ventures, in QuantHealth, an AI-powered clinical trial design company that simulates clinical trials in the cloud, allowing pharmaceutical and biotech companies to more quickly and cost-effectively develop treatments for patients.

With proprietary AI technology trained on a massive dataset of 350 million patients, large biomedical knowledge-graphs, and clinical trial data, QuantHealth’s simulation platform can predict trial outcomes with significant accuracy. It can test thousands of protocol variations and discover the optimal trial design for success, helping research and development (R&D) teams more accurately and rapidly predict clinical trial results and decide whether a trial should proceed, how to optimize cohorts, whether drugs can be repurposed, and other crucial factors.

“QuantHealth’s clinical trial simulation platform can fast-track clinical trials and help pharmaceutical and biotech companies bring life-saving treatments to patients” said Tom Lounibos, global lead of Accenture Ventures. “By accelerating and enhancing global drug discovery efforts, we’ll aim to work alongside QuantHealth, our clients and ecosystem partners to expand medicine and treatment options and find new opportunities to bolster patient care.”

Clinical trials can cost billions of dollars to execute, with only 10% of drugs making it to market. Each year, trial failures collectively cost companies billions of dollars in losses, representing an estimated 20% of the global pharmaceutical R&D budget. Drug population and drug protocol fit account for nearly 75% of these failures. By simulating trials at scale, QuantHealth’s platform can lower risks, expedite, and optimize drug development. QuantHealth is already working with several global pharmaceutical companies to use its product in clinical trial design and development.

Petra Jantzer, Ph.D., global lead of the Accenture Life Sciences business, said, "Through our investment in QuantHealth, we are further solidifying our commitment to utilizing advanced

technologies to bring revolutionary change in the pharmaceutical industry. With the aid of AI-designed clinical trial simulations, we can reduce the cost and duration of creating effective medications, which is crucial for improving health outcomes."

"Clinical trials are a costly and uncertain process, where the R&D cost of a new drug can be upwards of \$1 billion," said Orr Inbar, co-founder and CEO of QuantHealth. "QuantHealth has created a solution that uses AI to transform how pharmaceutical companies approach their clinical trials. We're able to seamlessly integrate data and cloud technology into the clinical trial process, not only saving time and money for pharmaceutical companies, but also increasing the chance of success in drug development. Accenture's long-standing experience in this industry and leadership in data and AI will help us continue to scale our platform globally."

QuantHealth is the latest company to join Accenture Ventures' Project Spotlight, an engagement and investment program focused on working with companies that create or apply disruptive enterprise technologies. Project Spotlight offers extensive access to Accenture's domain expertise and its enterprise clients, helping startups harness creativity and deliver on the promise of their technology. Additional digital simulation companies in Project Spotlight include Virtonomy and Ocean Genomics.

Terms of the investment were not disclosed.

Centric Software Marks 800 PLM Projects Milestone

12 January 2024

Centric Software®, continuing along its significant growth trajectory, is thrilled to celebrate the 800 Centric PLM™ milestone. Centric Software provides a concept-to-customer solution experience spanning both pre-season preparations and in-season trading for fast moving consumer goods such as fashion, outdoor, luxury, multi-category retail, grocery, food & beverage, cosmetics & personal care and consumer electronics to plan, design, develop, source, buy, make, price, allocate, sell and replenish products.

Amid recent market challenges like economic uncertainty, supply chain disruption, overstock stemming from COVID, fickle consumers and abundant competition, there is urgency for retailers, brands and manufacturers to streamline operations and reduce cost-of-goods-sold (COGS) while also maximizing selling price. Add in globalization of product portfolios along with shrinking time-to-market and the pressure is on for each SKU to be profitable, with little margin for error.

While contending with external factors, companies must also still be vigilant about sustainability, traceability and compliance. PLM serves as a digital foundation that drives operational efficiency, lowers costs and reduces time to market. PLM is a foundation technology that companies leverage to achieve strategic goals such as boosting agility, getting closer to consumers and producing what people want as well as being all-around more reactive to successfully navigate uncertainty.

Centric PLM users span the range from emerging brands to large, international corporations. Users at these companies number from 5 to 15,000 and are located across 50+ countries.

Notably, the number of Centric customers that have replaced a legacy PLM with Centric PLM is approximately 30%; almost all have eliminated or drastically reduced spreadsheet reliance.

Centric PLM is part of Centric's AI-powered, seamless platform of solutions that includes retail Planning, Pricing & Inventory, Market Intelligence and Centric Visual Boards™, the latter acting as an interactive visual workspace, connecting teams, processes and systems to deliver competitive consumer-centric assortments. Each of these solutions may be used separately or in concert with other Centric or external systems.

Real-world benefits have shown that Centric PLM customers have:

- Reduced time to market by 40 to 60%
- Improved productivity by 10 to 50%
- Improved sustainability practices with CO2 tracking, material traceability, vendor certification management and more.

Centric Software prides itself on innovation, pioneering a true, 3D-agnostic, fully digital, design and development workflow with integrations to multiple, leading 3D soft goods and hard goods solutions such as Clo, Optitex, Browzwear, Vizoo, SOLIDWORKS, Rhino 3D Alvanon and Adobe. In addition, Centric customers have integrations with over 80 different ERP systems. Multiple product updates each year are packed with market-driven innovations guided by the Centric Customer Advisory Board—a cross-section of industry leaders with a strong user base representing over 1,000 brands worldwide.

Centric Software is solidly endorsed by leading analyst firms as well as being recognized over multiple years by winning several Frost & Sullivan awards, 4 *Just Style Excellence Awards* and 3 *Just Food Excellence Awards*.

Chris Groves, CEO of Centric Software says, “We are grateful to all of our customer-partners who have joined us for their digital transformation journey. The exciting evolution of our product offer into AI-driven, best-of-breed solutions that add pricing, planning, inventory and more, launches our PLM capabilities to another level. Centric's fashion, outdoor, food/cosmetics, consumer goods and retail innovations truly make for a unique suite of tools to maximize profitability while enabling sustainability goals.”

Honeywell And Analog Devices Team Up To Drive Transformative Innovation, Beginning With Building Automation

9 January 2024

Honeywell and Analog Devices, Inc. announced at CES 2024 that they have entered into a Memorandum of Understanding to explore the digitization of commercial buildings by upgrading to digital connectivity technologies without replacing existing wiring, which will help reduce cost, waste, and downtime. The strategic alliance would bring this new technology to building management systems for the first time.

Many of the commercial buildings in **the United States** are outdated and inefficient and, according to the U.S. Energy Information Administration (EIA), the majority of them were built

before the year 2000. Additionally, organizations are relying on networking technology to transmit ever-greater volumes of data, causing a surge in demand for cloud storage and processing speed. Digitizing building management systems will allow managers to reduce energy consumption through real-time decisions, while it will upgrade a building's network performance and security to current Internet-protocol networks without extensive costs and remodeling.

"For more than a decade, ADI and Honeywell have collaborated on driving the next waves of innovation," said Martin Cotter, senior vice president, Industrial and Multi Markets and president of ADI EMEA region. "In this next phase of our work together, we are thrilled to see these ADI technologies move beyond factory automation and into Honeywell's building management system to help customers reduce building energy consumption, which can save money, improve resiliency, and help meet emissions reductions goals."

"Honeywell is revolutionizing building management systems to help building owners tackle today's biggest challenges," said Suresh Venkatarayalu, Honeywell's chief technology officer. "This collaboration with ADI would offer building owners the ability to upgrade and enhance their wiring without a significant upfront investment, and with less labor and environmental impact."

Honeywell plans to adopt ADI's single-pair Ethernet (T1L) and software configurable input/output (SWIO) solutions in its building management systems. ADI's single-pair Ethernet enables long-reach Ethernet connectivity with the possibility of reusing a building's existing wiring, reducing installation time and cost, and reducing waste. Single-pair Ethernet complements existing Ethernet connectivity in building management systems, bringing enhanced connectivity from the edge to the cloud, helping eliminate data islands and better utilizing assets.

ADI's offering would also reduce product complexities by enabling Honeywell to build a single version of the product for different needs, allowing more future-proofed control and automation for when a building is remodeled, or requirements change. This helps increase the speed of product installation, reduces inventory needs, and enables easier and more affordable changes.

iBase-t Appoints Sebastian Grady as Chief Revenue Officer

11 January 2024

iBase-t, the company that simplifies how complex products are built and maintained, announced that Sebastian Grady has been appointed as Chief Revenue Officer (CRO). Grady's strong track record in global customer service, enterprise software sales and go-to-market strategy will further accelerate iBase-t's growth in delivering value as a service to customers. Grady will be responsible for expanding the company's SaaS subscription-based repeatable revenue model and supporting growth through annual recurring revenue.

"I'm thrilled to join the iBase-t team at this exciting time as the company continues its growth trajectory building upon a base of fantastic customers who are leaders in their industries," said

Grady. “I look forward to joining a world class team and maximizing the value we deliver to end customers.”

“We’re excited to have Sebastian join our team and are confident his skills and experience will bring iBase-t to its next level of growth,” said Naveen Poonian, CEO of iBase-t. “Sebastian has a successful history of strong enterprise software sales and building long-term relationships with customers by coordinating and delivering high value solutions.”

Prior to joining iBase-t, Grady served as President of Rimini Street, a leading third-party provider of enterprise software products and support services where he grew revenue 10X to \$400M. Previously, Grady was president and COO at Altus Corporation, a provider of video search and management software for sales enablement. During his tenure at Altus, Grady was responsible for the company’s field operations where he oversaw a 500% increase in revenue over a six-year period. As VP and GM at PeopleSoft Grady grew a \$75M business to \$600M in 4 years. Earlier in his career, Grady managed large information systems projects for Fortune 500 clients as a consulting manager at Andersen Consulting (now Accenture).

Mark Moffat Appointed as CEO of IFS

9 January 2024

IFS, the global cloud enterprise software company, announces that Mark Moffat has been promoted to Chief Executive Officer (CEO). Moffat takes over from Darren Roos who has been appointed as the company’s Chair of the Board. Both appointments are effective immediately.

The transition provides great continuity for the business by building on the successful strategy that has seen IFS transform into the leading vendor for Asset & Service Management software. Moffat, Roos and the IFS Executive Team have been working on the transition over the past six months as part of the Board’s succession planning process.

Moffat, who was previously IFS’s Chief Customer Officer, is a well-known and respected technology leader having held several senior positions at PwC before joining IFS.

Commenting on his appointment, Mark Moffat, CEO of IFS, said: “It is a great honor for me to lead IFS as we embark on this next chapter of growth. The business has immensely strong foundations to build upon and we have been putting all the right ingredients in place to continue to deliver on our strategy: a differentiated proposition, a hugely advanced and capable AI-based product, an engaged customer base, a motivated partner ecosystem, and of course our talented employee base.” Moffat continued: “I want to recognize and thank Darren for the impact he has had as my predecessor. I look forward to working with him in his new capacity as IFS’s Chair of the Board.”

Under Roos’ tenure as CEO, IFS has more than tripled its overall revenues and transformed into a true Cloud business, from both a product and revenue perspective with 79% of total revenue now recurring (up from 36% when he joined). Thanks to sustained organic growth and customer satisfaction scores that set the industry benchmark, IFS has become *the* trusted vendor for industry focused applications that help manage assets, people and customers.

Darren Roos, Chair of the Board at IFS, commented: “I am thrilled to appoint Mark as my successor. He has a proven track record, brings a strong network, and is a great leader that people want to follow. I am proud of all that has been achieved since I joined IFS and want to thank the thousands of women and men throughout the business who have lived our shared values and made our customers successful. I am pleased to be continuing my journey with IFS, albeit in a different capacity. There is so much opportunity in the market and, together with the Board, I will work with Mark and his team to ensure we effectively capture it.” Roos concluded: “I take over as Chair of the Board from Jonas Persson, who I want to thank for his great governance and counsel over the years.”

Johannes Reichel, partner at EQT (majority owner of IFS), added: “Darren and the leadership team have delivered phenomenal results in turning IFS into one of the fastest growing software businesses operating at scale. Mark has the right background and ambition that will enable IFS to take advantage of the opportunity ahead, and we look forward to him partnering with Darren as our new Chair of the Board.” Reichel added: “I also want to thank Jonas Persson who leaves the IFS Board, having been the Chairperson since EQT acquired the business. He will continue to serve as a Senior Advisor to EQT and is the Chairperson at several other EQT-owned software businesses.”

IFS is backed by investors EQT, Hg and TA Associates, a group of world-class investors that have been invested as a trio in IFS since 2022 in a transaction valuing IFS at over \$10bn. Together they bring decades of software experience, backing IFS for its next wave of growth.

IFS plans to release its financial results for FY2023 on 30th January 2024.

Netskope Achieves FedRAMP® High Authorization

9 January 2024

Netskope, a leader in Secure Access Service Edge (SASE), announced that Netskope GovCloud has received the Federal Risk and Authorization Management Program (FedRAMP) authorization at Impact Level “High,” and is listed as such on the FedRAMP Marketplace. The Authority to Operate (ATO) at the FedRAMP High Impact Level was issued with sponsorship from the U.S. Department of Veterans Affairs, after careful review of the assessment results provided by a certified third-party assessor organization (3PAO), Coalfire.

As U.S. government agencies modernize and adopt cloud solutions, they are mandated to use FedRAMP authorized Cloud Service Offerings (CSO) for any public cloud delivered service. In response to the number of cybersecurity campaigns targeting the public and private sector, President Biden signed an executive order in 2021 to strengthen IT security and operations in the Federal government. This mandate specifically stated directives to pursue a zero trust architecture and accelerate agency adoption of SaaS and PaaS technologies, as well as centralize security operations. Agencies responding to the executive order are now specifically pursuing cloud-security options that are FedRAMP authorized.

With Netskope GovCloud, federal agencies can leverage a cloud-ready networking and security architecture designed to deliver zero trust with multiple types of protection on a FedRAMP High authorized framework. Users and offices connect to Netskope Intelligent Security Service Edge

(SSE) and have contextually enforced access to the applications and data within their responsibilities, along with the necessary data and threat protections to protect agency resources overall. Specific to data protection, the Netskope GovCloud uses patented, award-winning technology to quickly identify and real-time manage activities across millions of cloud services and websites—including generative artificial intelligence (AI) applications.

Using Netskope GovCloud, federal government agencies can achieve:

- **Comprehensive protection:** As conditions change and requirements evolve, organizations can deliver new protections by enabling services within Netskope GovCloud. Netskope GovCloud is a fully integrated platform, not a collection of point products, and can be extended to cover a range of threat and data protections.
- **Reduce operating complexity with a single client and single management platform:** Netskope’s architecture and Zero Trust Engine leverages a single client for multiple services to reduce the impact on endpoint administration. It uses a single management console with a single policy engine to reduce administrative complexity.
- **Enforces zero trust principles:** Inline with the zero trust requirements in Executive Order 14028, Netskope GovCloud reduces the attack surface area and enforces contextual access controls to dramatically increase the overall integrity of the agency’s operating environment.

“Achieving FedRAMP High authorization for the Netskope GovCloud platform underscores Netskope’s continued dedication to helping secure the U.S. federal sector,” said Dave Peranich, Netskope President, Go-to-Market. “It is a privilege for Netskope to have such a trusted sponsor and partner in the U.S. Department of Veterans Affairs. As the leading vendor that can offer a comprehensive SSE solution on a single platform with FedRamp High authorization, we remain fully invested in ensuring our platform is the most complete and highest-performing cloud-based solution possible for customers everywhere.”

The FedRAMP High authorization level allows for the protection of the government’s highly sensitive, unclassified data in cloud computing environments. The Impact Level “High” certification confirms that Netskope GovCloud can securely connect government users to external applications, including SaaS applications and internet destinations, regardless of device, location, or network, providing modern cyber and data protection for mission-critical government information.

Siemens and Voltaiq collaborate to optimize battery manufacturing

11 January 2024

Siemens Digital Industries Software announced its collaboration with Voltaiq to accelerate battery manufacturing, by combining their strengths to offer unparalleled capabilities for battery manufacturing-focused companies. This collaboration aims to bring together the production-proven capabilities of both Siemens’ Insights Hub™ and Voltaiq’s Enterprise Battery Intelligence™ (EBI), customers can gain access to unparalleled capability specific to battery-

domain companies to help rapidly scale operations smoothly, from initial testing to full-scale production lines.

“Our collaboration with Voltaiq aligns with Siemens’ ongoing mission to continue delivering Industrial IoT value. By integrating our efforts, we not only help to enhance operational decision making but also assist our customers to accelerate the digital transformation of organizations, contributing to a new era in battery manufacturing,” says Raymond Kok, SVP and Managing Director, Cloud and Edge Foundational Services, Siemens Digital Industries CTO.

“The battery industry is struggling to scale and needs to improve quality and decrease scrap rates rapidly in order to stay competitive,” says Tal Sholklipper, CEO and Co-Founder, Voltaiq. “By joining forces with Siemens, we're able to deliver a complete solution to help accelerate toward an electrified future.”

The world is relying on battery-powered products more than ever, from the largest vehicles to the smallest personal devices. Experts are forecasting a 14-fold increase in battery demand between 2018 and 2030 and a five-fold growth in battery cell production from 2020 to 2030 for electric vehicles (EVs) alone. The increased demand for battery manufacturing introduces numerous challenges and complexities to manage, including quality control, production efficiency, waste reduction and cost minimization.

This collaboration aims to tackle battery manufacturing’s key challenges.

- **Quality control and consistency:** Consistently ensuring each battery meets the highest standards for performance and safety is challenging. Variations in manufacturing conditions can lead to inconsistencies in battery quality, so it’s important to maintain rigorous quality control throughout production. To stay competitive, manufacturers must accelerate material and design innovations and optimize battery costs while reaching energy density targets and ensuring safe battery utilization.
- **Increasing production:** Scaling up battery production to meet increasing demand, especially for electric vehicles, without compromising quality or efficiency is a significant challenge. This includes managing larger automated giga facilities at scale with consistent machine performance, while understanding – and responding to – the influences of complex machinery to the characteristics of battery cells.
- **Process efficiency and waste reduction:** Battery manufacturing involves complex chemical processes – a combination of batch process, continuous process and discrete process – that are complex to manage. This complexity can lead to waste and inefficiencies. Manufacturers strive to optimize these processes to minimize waste and improve overall efficiency, addressing both cost and environmental concerns.
- **High costs:** Manufacturers must find ways to constantly reduce costs without compromising product quality. These include the cost of raw materials, manufacturing processes, and technology development.

Siemens’ Insights Hub proven industrial IoT solutions combined with Voltaiq’s comprehensive suite of battery-specific monitoring, visualization, and advanced analytics capabilities provides

customers with a seamless end-to-end solution for managing and optimizing battery cell manufacturing.

The joint solution addresses the challenges faced in the critical finishing stage of battery production - which makes up a significant portion of the production costs and time - by helping to reduce the risk associated with discovering problems late in the production cycle where yield and profitability are most likely to decrease.

Event News

3D Systems to Attend 26th Annual Needham Growth Conference

8 January 2024

3D Systems announced that management will participate in the 26th Annual Needham Growth Conference on January 17, 2024.

President and CEO, Dr. Jeffrey Graves will participate in a fireside chat at 1:30 p.m. Eastern Standard Time and will participate in individual meetings alongside members of the company's leadership team throughout the day.

A live webcast of the conference presentation will be available on [3D Systems' Investor Relations page](#). The link will be live just prior to the start of the event and will be available for on-demand viewing approximately 24 hours after the event is complete. The webcast recording will be available for a limited time following the conference.

American Software to Present at the 26th Annual Needham Growth Conference

5 January 2024

American Software, Inc., a leading provider of innovative AI-powered supply chain management and advanced retail planning platforms, announced that Allan Dow, Chief Executive Officer and President, and Vincent Klinges, Chief Financial Officer, will present virtually at the following investor conference:

26th Annual Needham Growth Conference

Date: Friday, January 19, 2024

Time: 11:00 am ET

Webcast: <https://wsw.com/webcast/needham134/amswa/2434938>

A replay of the presentation will also be archived on American Software's [website](#) for a limited time.

HCLTech to drive conversations and collaboration on AI-first, sustainable future at WEF 2024

11 January 2024

HCLTech, a leading global technology company, will join forces with key stakeholders from across the globe at the 54th Annual Meeting of the World Economic Forum (WEF) in Davos

from Jan. 15–19, 2024. The company will contribute to deliberations on this year’s theme of “Rebuilding Trust” and discovering solutions with transparency, consistency and accountability.

HCLTech will be represented by its Chairperson Roshni Nadar Malhotra, CEO and Managing Director C Vijayakumar, Chief Technology Officer Kalyan Kumar; Chief Growth Officer for Europe and Africa, Ashish Kumar Gupta; President, Digital Foundation Services, Jagadeshwar Gattu; Global Head, Financial Services, Srinivasan Seshadri; Chief Marketing Officer Jill Kouri and Global Head, Sustainability, Santhosh Jayaram.

HCLTech will once again host guests at its pavilion at the iconic Promenade 66 which will be fully powered by locally produced green energy, underscoring the company’s commitment to a sustainable planet. In addition to its differentiated portfolio of services across digital, engineering, cloud, AI and software, HCLTech will showcase its award-winning sustainability solution, Net Intelligent Zero (NIO), at the pavilion with a live data feed.

This year, HCLSoftware makes its WEF debut with a dedicated lounge within the HCLTech pavilion. Chief Revenue Officer Rajiv Shesh and Chief Product Officer Kalyan Kumar will lead the HCLSoftware contingent that will showcase its cutting-edge software solutions that help enterprises navigate digital transformation.

HCLTech will participate in and host a series of panels and sessions on the future of technology, sustainability, diversity and inclusion in line with its brand purpose of bringing together the best of technology and its people to supercharge progress.

- The highlight this year will be the ‘Heroes of Progress’ reception on Jan. 17 to honor WEF Global Shapers who are making significant contributions to the fields of environment, women’s empowerment, art and sustainability.
- Roshni Nadar Malhotra, Chairperson, HCLTech is discussing the global water cycle and the potential of water as an enabler for SDGs on a panel on 'Out of Balance with Water' on Jan. 17, 15:00-15:45, Congress Center.
- Srinivasan Seshadri, Chief Growth Officer and Global Head, Financial Services, HCLTech, will lead an affiliate session on ‘Banking on trust through transformative tech’ on Jan. 16, 10:15-11:15 at Dome C, Ice Village.
- HCLTech is conducting broadcast sessions at its pavilion on Jan. 16, 17 and 18, 13:00–13:45. Dr. Saikat Chaudhuri, Innovation, Strategy and Engineering Professor, UC Berkeley will be moderating all three sessions with key industry leaders on: technology-led disruption, opportunities and impact; diversity-led progress for the future workforce; purpose-led sustainability agenda.

Additionally, HCL Group and Uplink, the open innovation platform of WEF, will announce the winners of this year’s Aquapreneur Challenge as part of their ongoing partnership.

Join us to the 2024 BETA CAE Systems France Open Meeting

12 January 2024

BETA CAE Systems, and SAFRAN Engineering have the pleasure to invite you to the 2024 France Open Meeting in Paris-Saclay, France. The Open meeting will take place on February 1st, at Ctre R&T Safran.

We are looking forward to hosting you to the event to update you on the latest developments in our product line and share our experiences from application cases on various simulation disciplines and industries. Our expert engineers will be eager to meet you in person and exchange knowledge, experience, and visions.

Don't miss the opportunity and register today.

There is no participation fee for the event.

The attire will be business casual.

The event is hosted by Safran Engineering Services.

[REGISTER NOW](#)

Preliminary Agenda

09:00 - 09:30 *Registration*

Plenary Session (Amphitheater Caroline AIGLE)

09:30 - 09:40 **Welcome Remarks**
TBD

09:40 - 10:10 **The evolution of BETA CAE Systems portfolio in a nutshell**
Chryssa Sferidou, BETA CAE Systems

10:10 - 10:40 **ANSERS: The single point-of-truth for simulation and physical test data**
Emmanouil Kastrinakis, BETA CAE Systems

10:40 - 11:10 **Electromagnetic simulations in realistic automotive and aerospace applications:
New possibilities with ANSA/META**
Christos Liontas, BETA CAE Systems

11:10 - 11:30 *Break*

11:30 - 12:00 **Reintroducing KOMVOS as a simulation data and process management desktop client**
Irene Makropoulou, BETA CAE Systems

- 12:00 - 12:30 **Latest developments in BETA CAE Solvers**
Eva Ioannou, BETA CAE Systems
- 12:30 - 13:00 **Optimization and quick verification of an electric vehicle side-frame design using Machine Learning methods**
Emmanuela Livia Baksiova, BETA CAE Systems

13:00 - 14:00 *Lunch*

Track 1 (Caroline AIGLE)

Track 2 (Jean MERMOZ)

- | | | |
|----------------------------|--|---|
| 14:00 - 14:30 | Latest developments in ANSA/META for Durability and Composite materials
Vangelis Palaiokastritis, BETA CAE Systems | Latest developments in ANSA/META for NVH
Emmanouil Kastrinakis, BETA CAE Systems |
| 14:30 - 15:00 | FATIQ - The comprehensive platform for streamlined fatigue analysis
Vangelis Palaiokastritis, BETA CAE Systems | Latest developments in Crash and Safety
Emmanuela Livia Baksiova, BETA CAE Systems |
| 15:00 - 15:10 <i>Break</i> | | |
| 15:10 - 15:40 | [Demo] How ANSA can cope with all the demanding middle surface meshing challenges
Dimitris Mavropoulos, BETA CAE Systems | Best-in-class CFD meshing for the aerospace sector
Vangelis Skaperdas, BETA CAE Systems |
| 15:40 - 16:10 | [Demo] Conceptual modelling tools for Analysts
Eva Ioannou, BETA CAE Systems | Latest developments in ANSA/META for CFD
Philippe Biagi, Safran Engineering Services |
| 16:10 - 16:40 | [Demo] A new approach for Geometry and Mesh handling
Dimitris Mavropoulos, BETA CAE Systems | Exploring RETOMO and the use of CT in CAE applications
Emmanuela Livia Baksiova, BETA CAE Systems |
| 16:40 - 16:50 <i>Break</i> | | |

Plenary Session (Amphitheater Caroline AIGLE)

16:50 - 17:20 **Streamlining simulation run preparation with an end-to-end modular methodology**

Irene Makropoulou, BETA CAE Systems

17:20 - 17:50 **Future directions of BETA CAE Systems product line**

Chryssa Sferidou, BETA CAE Systems

17:50 - 18:00 **Closing Remarks**

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Siemens delivers innovations in immersive engineering and artificial intelligence to enable the industrial metaverse

8 January 2024

Siemens unveiled innovations that are combining the real world and the digital worlds to redefine reality as it opened CES 2024, the world's leading technology gathering. Siemens announced new partnerships and breakthroughs in AI and immersive engineering to enable the industrial metaverse, and highlighted how these technologies are empowering the world's innovators to thrive using its open digital business platform, Siemens Xcelerator.

"We envision the industrial metaverse as a virtual world that is nearly indistinguishable from reality, enabling people — along with AI — to collaborate in real time to address real-world challenges" stated Siemens CEO Roland Busch. "This will empower customers to accelerate innovation, enhance sustainability and adopt new technologies faster and at scale, leading to a profound transformation of entire industries and our everyday lives. Together with our customers and partners, Siemens is proud to announce new products that will bring the industrial metaverse a step closer to all of us".

"Siemens is making the industrial metaverse more accessible so that our customers can use it to solve their real-world problems faster, more sustainably and with greater efficiency – and we will make it available to companies of all sizes, so that everybody can turn their big ideas into world-changing innovations," said Cedrik Neike, Member of the Managing Board of Siemens AG and CEO of Siemens Digital Industries

Siemens & Sony partnership to enable immersive engineering

Siemens and Sony Corporation (Sony) are partnering to introduce a new solution that combines the Siemens Xcelerator portfolio of industry software with Sony's new spatial content creation system, featuring the XR head-mounted display with high-quality 4K OLED Microdisplays and controllers for intuitive interaction with 3D objects. Enabling designers and engineers to create and explore design concepts in a borderless immersive workspace, the new solution will kickstart content creation for the industrial metaverse. Expected to be available later in 2024, Siemens' NX™ Immersive Designer, an integrated solution that combines Siemens' NX software and Sony technology, brings immersive design and collaborative product engineering capabilities to Siemens' flagship product engineering solution.

“At Sony, we are passionate about empowering creators with cutting-edge technologies, and in the field of spatial content creation, we have thrived in innovating the way they work by utilizing our proprietary motion and display technologies,” said Yoshinori Matsumoto, Executive Deputy President and Officer in charge of Technology and Incubation, Sony Corporation. “By combining our technologies and Siemens’ expertise in engineering, we are excited to enable more immersive engineering that redefines the daily workflow of designers and engineers. The high-quality, realistic rendering and intuitive interaction will give creators tools to pursue a more immersive creative processes that fuels further innovation in the industrial metaverse.”

In addition, Siemens and Amazon Web Services (AWS) are strengthening their partnership and making it easier for businesses of all sizes and industries to build and scale generative artificial intelligence (AI) applications. Siemens is integrating Amazon Bedrock - a service that offers a choice of high-performing foundation models from leading AI companies via a single API, along with security, privacy, and responsible AI capabilities - with Mendix, the leading low-code platform that is part of the Siemens Xcelerator portfolio.

Through a keynote address and exhibition presence, Siemens is highlighting how its customers are using the Siemens Xcelerator open business platform to transform how we Live, Work, Play and Make.

- **Live** – Siemens is unveiling its smart home energy management portfolio - Inhab™ at CES. The suite of Intelligent Habitat solutions allows users to have full transparency and control over which sources are supplying energy at a given time and how that energy is being distributed throughout the home. Such features as real-time alerts, 24/7 monitoring and energy goal settings provide occupants with the transparency they need to make informed decisions. As more appliances go electric and we introduce EV charging and solar arrays to homes, the highly accurate monitoring and management solutions will help to lower energy consumption and utility bills while increasing safety and capacity.
- **Work** –Siemens is showcasing its partnership with Sony to deliver the next generation industrial metaverse by combining new innovations in immersive engineering software in the Siemens Xcelerator open-business platform with Sony’s ground-breaking mixed reality hardware. Presented in collaboration with Red Bull Racing, Siemens is demonstrating how this new solution empowers engineers to free them from traditional constraints to bring together the virtual and physical worlds by immersing them in the industrial metaverse.
- **Play** –The Siemens’ Experience at CES highlights how innovators are using the Siemens Xcelerator platform to transform how the world plays. Unlimited Tomorrow is doing life-changing work to design affordable, customizable and scalable prosthetics and working alongside customers to help develop cleaner, safer transportation for everyone, everywhere.
- **Make** – Blendhub is using Siemens technology to tackle food insecurity and transform food production. Deploying and connecting a multi-localized network of food and personalized nutrition factories, moving them closer to ingredients supply and final

consumers, Blendhub is enabling a technology-driven approach to shared value creation in the global food system.

Growing the Siemens Xcelerator ecosystem

Alongside the visitor experience at CES 2024, Siemens is presenting opportunities for customers, partners and developers with the Siemens Xcelerator Developer Experience. With the launch of its Siemens Xcelerator Developer Portal, Siemens is taking a giant leap forward, delivering a first-of-its-kind platform consolidating all Siemens' APIs and developer resources. This portal, part of Siemens Xcelerator, operates on principles of openness and collaboration, providing developers a unified space to explore and access Siemens and partner APIs.

In collaboration with Microsoft, the developer portal introduces a Chatbot, offering an innovative AI companion to enhance the development experience. Seamlessly integrated with industry-leading API platforms like Postman, the Siemens Xcelerator Developer Portal ensures a streamlined and developer-friendly journey from discovery to deployment.

Financial News

DXC Technology to Report Third Quarter 2024 Results on Thursday, February 1, 2024

10 January 2024

DXC Technology announced that it will release financial results for the third quarter of fiscal year 2024 on Thursday, February 1, 2024, at approximately 4:15 p.m. Eastern Standard Time (EST).

DXC Technology senior management will host a conference call and webcast on the same day at 5:00 p.m. EST. The dial-in number for domestic callers is 888-330-2455. Callers who reside outside of the United States should dial +1-240-789-2717. The passcode for all participants is 4164760. The webcast audio and any presentation slides will be available through a link posted on DXC Technology's [Investor Relations website](#).

A replay of the conference call will be available until 11:59 PM EST on February 8, 2024, at 800-770-2030 for domestic callers and at +1-647-362-9199 for international callers. The replay passcode is 4164760. A transcript of the conference call will be posted on DXC Technology's [Investor Relations website](#).

ELECTRONIC SYSTEM DESIGN INDUSTRY POSTS RECORD \$4.7 BILLION IN REVENUE IN Q3 2023, ESD ALLIANCE REPORTS

8 January 2024

Electronic System Design (ESD) industry revenue increased 25.2% to \$4,702.4 million in the third quarter of 2023 from the \$3,756.3 million logged in the third quarter of 2022, the ESD Alliance, a SEMI Technology Community, announced in its latest *Electronic Design Market Data (EDMD)* report. The four-quarter moving average, which compares the most recent four quarters to the prior four, rose 13.8%.

“Electronic design automation (EDA) reported record revenue growth in Q3 23,” said Walden C. Rhines, Executive Sponsor of the SEMI Electronic Design Market Data report. “This was the highest overall growth since Q4 1998. The Computer-Aided Engineering, IC Physical Design and Verification, Printed Circuit Board and Multi-Chip Module, and Semiconductor Intellectual Property categories reported double-digit growth. Further, all geographic regions reported substantial growth.”

The companies tracked in the *EDMD* report employed 59,737 people globally in Q3 2023, a 10.6% jump over the Q3 2022 headcount of 53,034 and up 1% compared to Q2 2023.

The quarterly *EDMD* report contains detailed revenue information with the following category and geographic breakdowns.

Revenue by Product and Application Category – Year-Over-Year Change

- **Computer-Aided Engineering (CAE)** revenue increased 22.4% to \$1,657.5 million. The four-quarter CAE moving average increased 16.7%.
- **IC Physical Design and Verification** revenue surged 45.3% to \$904.5 million. The four-quarter moving average for the category increased 29%.
- **Printed Circuit Board and Multi-Chip Module (PCB and MCM)** revenue rose 23.6% to \$426.1 million. The four-quarter moving average for PCB and MCM rose 14%.
- **Semiconductor Intellectual Property (SIP)** revenue increased 22.1% to \$1,575.9 million. The four-quarter SIP moving average rose 5.3%.
- **Services** revenue slipped 3.9% to \$138.3 million. The four-quarter Services moving average rose 6%.

Revenue by Region – Year-Over-Year Change

- The **Americas**, the largest reporting region by revenue, procured \$1,984.1 million of electronic system design products and services in Q3 2023, a 22.8% jump. The four-quarter moving average for the Americas rose 11.2%.
- **Europe, Middle East, and Africa (EMEA)** procured \$551.1 million of electronic system design products and services in Q3 2023, a 21.5% increase. The four-quarter moving average for EMEA grew 13.4%.
- **Japan’s** procurement of electronic system design products and services increased 30.5% to \$309.3 million. The four-quarter moving average for Japan increased 9.4%.
- **Asia Pacific (APAC)** procured \$1,858 million of electronic system design products and services in Q3 2023, a 28.1% increase. The four-quarter moving average for APAC grew 17.8%.

PTC to Announce Fiscal Q1'24 Results on Wednesday, January 31st, 2024

11 January 2024

PTC will release its fiscal 2024 first quarter results on Wednesday, January 31st after the stock market closes. Senior management will host a live webcast and conference call to review the results on Wednesday, January 31st at 5pm Eastern Time. The earnings press release, accompanying earnings presentation, and financial data tables will be accessible prior to the conference call and webcast on the Investor Relations section of the Company's website at [PTC Investor Relations](#).

What: PTC Fiscal Q1'24 Conference Call and Webcast

When: Wednesday, January 31st, 5:00pm (ET)

Webcast: Register [Here](#)

Replay: To access the replay via webcast, please visit [this page](#).

Please note that statements made on the conference call and webcast are as of the date of the conference call and webcast and PTC does not assume any obligation to update any statements made live or the archived call. Matters discussed may include forward-looking statements about PTC's anticipated financial results and growth, as well as about the development of products and markets, which are based on current plans and assumptions. Actual results in future periods may differ materially from current expectations due to a number of risks and uncertainties, including those described from time to time in reports filed by PTC with the U.S. Securities and Exchange Commission, including PTC's most recent reports on Form 10-K and 10-Q.

SAP to Release Fourth Quarter and Year-End 2023 Results

9 January 2024

SAP SE will release its results for the fourth quarter of 2023 and 2023 year-end results on Wednesday, January 24.

SAP CEO Christian Klein as well as CFO Dominik Asam will host a press conference to present fourth quarter financial figures and 2023 year-end results, as well as an outlook on the current financial year.

Media representatives are invited to join in person or participate in the press conference via Webcast at 10:00 a.m. CET/ 4:00 a.m. ET, accessible at <https://broadcast.sap.com/go/pc>.

Sustained Cloud Demand and Operational Excellence Marks TCS' Q3

11 January 2024

Tata Consultancy Services reported its consolidated financial results according to Ind AS and IFRS, for the quarter ending December 31, 2023.

Highlights of the Quarter Ended December 31, 2023

- Revenue at **\$7.28 billion**, +2.9% YoY, +1.7% YoY in Constant Currency
- Operating Margin at **25.0%***; an expansion of **0.5%** YoY
- Net Income at **\$1.41 billion***, +7.0%* YoY | Net Margin at **19.4%***
- Net Cash from Operations at **\$1.36 billion** ie **102%** of Net Income
- Diverse and inclusive workplace: Women in the workforce: **35.7%** | **153** Nationalities
- Investing in the workforce: **39.7 million** learning hours YTD | **3.7 million** competencies YTD
- LTM IT Services attrition rate at **13.3%**
- Dividend per share: ₹ **27.00**, including ₹ **18.00** as special dividend | *Record date 19/01/2024 | Payment date 05/02/2024*

K Krithivasan, Chief Executive Officer and Managing Director, said: *“Our strong performance in a seasonally weak quarter buffeted by macro-economic headwinds, demonstrates the strength of our business model with a well-diversified portfolio and a customer centric strategy. We are seeing strong deal momentum across markets resulting in a solid order book providing visibility into our long-term growth. We are seeing tremendous interest in Generative AI and are leading the innovation and exploratory efforts for our customers in this area.”*

*excludes the one-time charge of \$125 million towards settlement of legal claim

N Ganapathy Subramaniam, Chief Operating Officer and Executive Director, said: *“The quarter saw us make significant progress in many projects of national importance, demonstrating our execution strength. Our products and platforms had a strong quarter with new wins and go-lives. The MCX platform is scaling well and processing record transaction volumes. We are on course with the BSNL 4G/5G network roll out. We are making good progress in upskilling our employees in Generative AI through our AI playground platform.”*

Samir Seksaria, Chief Financial Officer, said: *“Our disciplined execution and operational rigor drove strong improvement in our industry leading margins despite seasonal headwinds. We are making the right investments in our people, innovation and infrastructure to differentiate ourselves and create long term value for all our stakeholders.”*

Milind Lakkad, Chief HR Officer, said: *“The vibrancy and energy levels in our offices are increasing as more and more of our employees are back in the offices. We expect to be back to our normal operating mode by the end of the current fiscal year. Parallely, attrition is trending down and at 13.3%, is now in our range of comfort. We are committed to hiring from college campuses and growing talent organically. We have commenced our campus hiring process for the next year and see tremendous excitement among freshers to join TCS.”*

Q3 Segment Highlights**

Industries: Growth was led by the Energy, Resources and Utilities vertical which grew **11.8%**, Manufacturing which grew **7.0%** and Life Sciences and Healthcare which grew **3.1%**. The Consumer Business Group (CBG) grew **-0.3%**, BFSI grew **-3.0%**, Communications & Media grew **-4.9%** and Technology & Services grew **-5.0%**. Regional Markets grew **19.2%**.

Markets: Among major markets, the United Kingdom led with **8.1%** growth; Continental Europe grew **0.5%** and North America grew **-3.0%**. In emerging markets, India led with **23.4%** growth, Middle East & Africa grew **16.0%**, Latin America grew **13.2%**, and Asia Pacific grew **3.9%**.

Services: Clients continue to prioritize investments that accelerate cost reduction, drive business agility and improve resiliency across the supply chain. TCS is helping clients realize business benefits with its significant investments in talent development, proprietary solutions and expanding alliances and partnerships.

AI.Cloud, Cyber Security and Cognitive Business Operations led the growth amongst service lines.

We continued to see broad based global awards/recognitions for our service offerings across Service Lines, including the Global System Integrator (GSI) Partner of the Year – Global, from AWS.

- **AI.Cloud:** During this quarter, we saw significant demand for migration, modernization, and business transformation opportunities on cloud platforms. We also saw increased demand for data on cloud with enterprises seeking to harness the capabilities offered by both cloud and Gen AI. The demand for Gen AI is being driven by "Assist" and "Augment" use cases addressing the need to augment operations and personalize experiences across all industry segments. This quarter we launched our AI Experience Academy to provide Innovation and experimentation opportunities to TCS associates on multiple Gen AI technologies. We continue to deepen our partnerships with the hyperscalers as well as other important AI technology players.
- **Cyber Security:** This quarter saw strong growth in our services across industry verticals. Clients continued to focus on identity and access management, security operations, cloud, and data security engagements. We are also seeing good traction for our services in Post Quantum Cryptography and Cloud Investigation & Response Automation.
- **Cognitive Business Operations:** The quarter saw good traction in deals led by Cognix™-powered digital transformation across business and IT infrastructure operations, including workplace transformation and end-to-end IT infrastructure services. There is sustained demand for high-end services such as financial planning and analysis, tax, statutory reporting, strategic sourcing, and sustainable procurement. Key trends resonating with enterprises were vendor consolidation, Gen AI, and employee experience enhancement.
- **Enterprise Solutions:** Clients expanded their investments in digital core by modernizing their ERP. They also partnered with TCS on implementing enterprise solutions for supply chain optimization, sustainability and reimagining sales and service channels. Our consulting led transformation approach, along with industry pre-configured solutions

and innovations including TCS Crystallus™, are enabling clients to accelerate their growth and transformation journeys. We also continue to invest and strengthen our joint go-to-market approach with alliance partners.

- **IoT & Digital Engineering:** During the quarter, we saw good traction with clients in Manufacturing, CMI, CBG, and ERU. Clients chose our offerings to improve customer experience on OTT platforms, enhance performance and resiliency of 5G networks, build autonomous vehicle programs and invest in Industry 4.0. TCS is also helping clients re-shore manufacturing operations to address supply chain-related concerns.
- **TCS Interactive:** Enterprises are partnering with TCS Interactive to drive their digital experience, design, and transformation strategy including innovation portfolios, product concepts, product and experience design, design for delivery, and product engineering and service deployment. Our sustained focus in bringing advanced offerings to drive significant value for clients has also helped TCS win digital agency-type of engagements.

*** Year on Year Growth in Constant Currency terms*

Key Highlights

- A leading UK Bank selected TCS as its strategic partner for the end-to-end transformation of its motor finance and leasing business. TCS will deliver a modern mobility platform by combining its advisory and transformation expertise and provide a reimagined customer experience leveraging its Interactive studio. TCS will also modernise the entire data and technology estate and optimise the operations division, bringing in efficiency.
- **ASX**, Australia's primary securities exchange selected TCS to provide a next generation clearing and settlement platform to service the Australian market. TCS will leverage its flagship product TCS BaNCS for Market Infrastructure to enable the transformation, replacing ASX's existing platform for cash equities clearing and settlement.
- Chosen by a global manufacturing company, to provide design engineering, supply chain and logistic services. TCS will also develop a digital assistant leveraging Gen AI, which will leverage concise information from the manufacturer's repository of maintenance information and provide solutions for unique scenarios in their shop floor operations.
- Partnered with **The Munch Museum** in Oslo, to create immersive and interactive drawing experiences for local visitors and global audiences. Scientists from TCS Research will leverage their expertise in AI and Machine Learning to bring Edvard Munch's artworks and creative process to life through the power of digital innovation. TCS will also provide IT consultancy, collaborative workshops, and talent exchanges to help create immersive museum experiences that showcase the future of art.
- Selected by a **US based healthcare company** to reimagine its current operating model, by modernizing enterprise technology and leveraging cloud. The partnership will focus on an increase in adoption of service reliability engineering across the organization at scale.

- Selected by a leading European postal organisation, to transform their mission critical E-commerce and Cross Border Solutions. TCS will leverage its collaborative PacePort™ innovation hub, deep domain knowledge and technology expertise to jointly design state-of-the-art digital solutions for consumers, partners and staff.
- **TPG Telecom**, Australia's leading telecommunications company, has selected TCS as a strategic technology transformation partner. TCS will closely collaborate with TPG Telecom as a prime system integrator and technology partner to simplify and streamline internal systems and platforms, enhance customer journeys and products, and increase digitisation. This will help TPG Telecom become Australia's best digital telco by delivering great value connectivity services to end customers.
- Selected by **Virgin Media O2 UK** as the key transformation partner to create a modernized and future-ready digital workplace. As part of the long-term partnership, TCS will create a new solution that involves significant automation and self-help and will offer a unified and superior employee experience.
- Selected by a leading European insurance provider, with presence in 200+ countries, to reimagine their IT operating model. As part of this multi-year partnership, TCS will provide end-to-end enterprise IT application services by leveraging its global delivery framework and its proprietary solution including ignio™ AIOps from the Digitate suite of offerings. TCS will also set up a global command centre to drive operational resilience and business agility.
- A large German automotive financial services company has selected TCS to provide a comprehensive portfolio of SAP IT services. The client has embarked on a multi-year SAP S/4 HANA Transformation along with other initiatives to digitally transform their SAP Landscape. As a strategic partner, TCS will help the client build a new future-ready digital core powered by SAP S4/HANA, enabling simplification of the business operations and elevating user experience across all value chains.

Customer Speaks

“Twenty-five years ago, VIAVI and TCS embarked on a journey to collaborate and co-innovate, steering the technological evolution from 2G to 5G and beyond. We are excited to move into the next phase of the journey and expand our partnership. Networks are growing more complex, and with VIAVI's unwavering focus on testing simplicity combined with TCS' expertise in platforms, we will enable customers to accelerate technology development which reduce TCO and time to market.”

Ian Langley

Senior Vice President, Wireless Business Unit, VIAVI Solutions

“Edvard Munch was a restless innovator who explored the human condition through his experimental art, and we wanted to honor his dream of sharing his art with everyone. TCS has a reputation for digital innovations, and it has been thought provoking to see how powerful AI and ML technologies can be used to bring an artist's work to life in ways they could never have imagined. We believe this partnership will help us further extend our work in engaging a global

audience interested in experiencing our museum and the fascinating oeuvre of Edvard Munch.”

Tone Hansen

Director, Munch

“This is going to give a second life to our core Central Securities Depository platform and make our relationship with TCS even stronger. We are conscious of the pressure and high expectations that we have put on TCS for the most complex project in recent years, but the TCS team has lived up to the expectations with an outstanding level of commitment. Our main goal is becoming more customer-centric and user friendly and we have achieved it with the platform upgrade. I am sure that we can count on TCS for the many challenges that SIX has ahead.”

Arturo Merino

Head, IT Securities Services, SIX
Research and Innovation

As on **December 31, 2023**, the company has applied for **7,852** patents, including **187** applied during the quarter, and has been granted **3,458** patents including **305** granted in Q3.

Human Resources

TCS’ workforce stood at **603,305** as on December 31st. The employee base is very diverse, with **35.7%** women and with **153** nationalities.

Year till date, TCSers have clocked **39.7 million** learning hours, and acquired **3.7 million** competencies including **515,000** high demand competences. IT services’ attrition was at **13.3%** for the last twelve months.

Key Awards and Recognition

- Received the **Amazon Web Services (AWS) GSI Partner of the Year 2023 – Global** and the **AWS GSI Partner of the Year 2023 – France** awards.
- Achieved the **2023-2024 Microsoft Business Applications Inner Circle** award for the fourth consecutive year.
- Awarded the **2023 Customer Success Partner of the Year Award** by **Microsoft**.
- Won 7 Gold awards at the **Brandon Hall Technology Excellence Awards 2023**.
- Awarded the **Star of Excellence Award 2023** by **Information Services Group (ISG)**, for consistently demonstrating the highest standard of customer service excellence.
- TCS ranked **#1** in **Spain** for **Customer Satisfaction in Service Delivery**, amongst IT and cloud service providers in Spain by Whitelane Research.
- Received the **Health & Wellness Award** at the **Diversity in Tech Awards 2023** for championing wellness within the workplace to maintain a positive and productive environment for all employees.
- Awarded the **World Intellectual Property Organization’s (WIPO) National Award for Enterprises** at the **National Intellectual Property Award 2023**.

- Recognized for **Best Made in India Telecom Innovation** at the **IMC 2023 Awards**.
- Received the **2023 Financial Technologies Forum (FTF) News Technology Innovation Award** in 'Best Corporate Actions Provider' category for TCS BaNCS in corporate actions.
- TCS ADD™ Metadata Repository won two awards for **Excellence in Ancillary Pharma Services** and **Excellence in use of Technology** at the **India Pharma Awards 2023**.

Wipro Announces Results for the Quarter-Ended December 31, 2023

12 January 2024

Wipro Limited, a leading technology services and consulting company, announced financial results under International Financial Reporting Standards (IFRS) for the quarter-ended December 31, 2023.

Highlights of the Results

Results for the Quarter ended December 31, 2023:

1. Gross revenue reached ₹222.1 billion (\$2.7 billion¹), a decrease of 1.4% QoQ.
2. IT services segment revenue was at \$2,656.1 million, a decrease of 2.1% QoQ.
3. Non-GAAP² constant currency IT Services segment revenue decreased 1.7% QoQ.
4. Total bookings³ was at \$3.8 billion, up by 0.2% QoQ and large deal bookings⁴ was at \$0.9 billion.
5. IT services segment EBIT for the quarter was ₹35.4 billion (\$425.8 million¹), a decrease of 1.8% QoQ.
6. IT services operating margin⁵ for the quarter was at 16.0%, down by 11 bps QoQ.
7. Net income for the quarter was at ₹26.9 billion (\$323.9 million¹), an increase of 1.8% QoQ.
8. Earnings per share for the quarter was at ₹5.16 (\$0.06¹), an increase of 2.0% QoQ.
9. Operating cash flows at 177.3% of Net Income for the quarter was at ₹47.9 billion (\$575.7 million¹).
10. Voluntary attrition⁶ has continued to moderate QoQ, coming in at 10-quarter low of 12.3% in Q3'24.
11. Interim dividend declared of ₹1 (\$0.012¹) per equity share/ADS.

Outlook for the Quarter ending March 31, 2024

We expect revenue from our IT Services business segment to be in the range of \$2,615 million to \$2,669 million*. This translates to sequential guidance of -1.5% to +0.5% in constant currency terms.

* Outlook for the Quarter ending March 31, 2024, is based on the following exchange rates: GBP/USD at 1.24, Euro/USD at 1.08, AUD/USD at 0.65, USD/INR at 83.54 and CAD/USD at 0.72

Performance for the Quarter ended December 31, 2023

“Our investments in people, processes, and business operations are continuing to pay off,” said **Thierry Delaporte, CEO and Managing Director**. “In a seasonally soft quarter, deal booking momentum remained strong. Our large deals recorded a 20 percent year-to-date growth. Further, we are starting to see early signs of a return to growth in Consulting, as demonstrated by the double-digit growth in order bookings in our Capco business.

“Under our ai360 strategy, AI is now embedded across most of our existing solutions and client offerings. We’re deploying AI internally across all business and functional areas as well, with the goals of efficiency, productivity, and scale. We are confident that these investments will allow us to capitalize on emerging opportunities, as the macro environment improves.”

Aparna C. Iyer, Chief Financial Officer, said, “I am pleased with our rigor of execution across all financial metrics- revenue, margin, EPS, and cash flow. We are building a more resilient, agile, and efficient organization which has helped us sustain our margins at 16%, a 63 basis point improvement on a year-to-date basis despite revenue headwinds and absorbing the impact of the investments we are making for growth and people.”

IT Products

1. IT Products segment revenue for the quarter was ₹0.8 billion (\$9.7 million¹)
2. IT Products segment results for the quarter was a gain of ₹0.11 billion (\$1.37 million¹)

Please refer to the table on page 12 for reconciliation between IFRS IT Services Revenue and IT Services Revenue on a non-GAAP constant currency basis.

1. For the convenience of the readers, the amounts in Indian Rupees in this release have been translated into United States Dollars at the certified foreign exchange rate of US\$1 = ₹83.19, as published by the Federal Reserve Board of Governors on December 31, 2023. However, the realized exchange rate in our IT Services business segment for the quarter ended December 31, 2023, was US\$1= ₹83.40.
2. Constant currency for a period is the product of volumes in that period times the average actual exchange rate of the corresponding comparative period.
3. Total Bookings refers to the total contract value of all orders that were booked during the period including new orders, renewals, and increases to existing contracts. Bookings do not reflect subsequent terminations or reductions related to bookings originally recorded in prior fiscal periods. Bookings are recorded using then-existing foreign currency exchange rates and are not subsequently adjusted for foreign currency exchange rate fluctuations. The revenues from these contracts accrue over the tenure of the contract. For constant currency growth rates, refer note 2.
4. Large deal bookings consist of deals greater than or equal to \$30 million in total contract value.
5. IT Services Operating Margin refers to Segment Results Total as reflected in IFRS financials.

6. Voluntary attrition is in IT Services computed on a quarterly annualised basis and excludes DOP.
7. Effective April 1, 2023, we merged our ISRE segment with our IT Services segment. The YoY growth rates for the quarter ended December 31, 2023, were computed by rebase lining Q3'23 numbers.

Highlights of Strategic Deal Wins

In the third quarter, Wipro continued to win large and strategic deals across industries. Key highlights include:

1. Wipro was selected by a US-based member-governed health insurance non-profit to deploy an integrated Business Platform as a Service to deliver end-to-end plan administration services. Leveraging its proprietary Individual & Family Health Insurance Exchange platform, Wipro will help streamline the enrollment, billing and claims process for the client. The platform will also use AI to reconcile premiums with subsidies offered by the government to minimize costs for members. The client will benefit from increased satisfaction amongst providers, clinics and pharmacies and improved compliance with evolving regulations.
2. A global technology leader has chosen Wipro to develop capabilities for their AI-driven orchestration platform. Wipro will collaborate closely with the client to integrate various systems involved in the process lifecycle, simplifying navigation, and streamlining workflows for end-users. This will improve overall productivity and accuracy, enabling tasks to be completed more efficiently. Additionally, this partnership will allow the client to expand the market reach of their solution.
3. An American Retail Bank has chosen Wipro as the end-to-end product development partner for the client's Payments & Digital Platform groups. Capco, Designit, and Wipro teams will provide fully-staffed, cross-functional working groups to deliver on key initiatives across the bank – including cloud migration, marketing analytics, and relationship management modernization. The combined teams will bring architecture, design, and tech delivery capacity, alongside banking domain expertise, and will be underpinned by an offshore delivery model. The resulting effort will deliver immediate efficiencies and power the maturity of the client's Digital platforms.
4. A Middle Eastern financial regulatory body has selected Wipro as a technology partner to strengthen its IT applications and infrastructure. Wipro will create a unique solution to support the client's business applications, infrastructure technology, service desk, and IT operating model. Wipro will also provide a host of value-added components, including dedicated consulting services from Capco which is aimed at business and IT strategic transformation including data, supervisory tech, and AI. The resulting increased efficiency and productivity will help the client attract both domestic and foreign investments to the region.
5. One of the world's largest wind turbine manufacturers has selected Wipro to transform its Enterprise Resource Planning landscape to harmonize the Finance, Manufacturing, Sales, Supply Chain and Customer service processes. Wipro will deliver a tailored solution that unifies the client's regional platforms, while matching the individual needs of the business units. This

will empower each unit with data-driven decision-making while improving the speed-to-market, as well as supporting the rapid addition of new product lines. Leveraging its Controlled Global Template and Industrialized Rollout Framework, Wipro will ensure shorter and smoother global rollouts with increased business user satisfaction for the client.

6. A leading automotive manufacturer's financial services organization selected Wipro to consolidate their IT services, with the goal of harmonizing their IT processes across the entire enterprise, creating new synergies across functions, and a consolidation of current supplier landscape. The project involves the transformation towards a managed service operation model and providing services for the client's core infrastructure, central platform services, and end-user computing services. The solutions delivered by the Wipro team will help the client realize its business transformation goals and support their evolution to a mobility services provider.

7. An international banking institution has selected Wipro to transform its business applications portfolio. The Wipro team will create a bespoke, automation-based solution to assess, transform, and manage the client's applications estate. The project will lead to increased operational efficiency, cost reduction, and increased cloud adoption.

8. Wipro was selected by one of the world's largest airlines to deliver omni-channel customer services support across its e-commerce and loyalty program. Through this engagement, Wipro will streamline the customer service process for agents, provide automated visualization for performance management, and track quality through enhanced reporting and analysis. The agents will be trained through gamified learning modules, which will quickly lead to improved processes, reduced wait times and better end-customer experience.

9. A US-based technology services company has selected Wipro to augment its navigation assistance offering. For the client's end users, the Wipro team will improve navigation and create new map features, enhancing the search functionality of 2D and 3D mapping, as well as improving transit, indoor and business listings. For the client's B2B customers, Wipro will assist in building customized features targeting Autonomous Driving & Simulation (ADAS) technology for the transportation, hospitality, and automotive sectors. The client can expect to see enhanced data and product quality, as well as monetization of their offering.

10. An integrated healthcare network has selected Wipro to deliver end-to-end managed services to transform their IT environment and digital infrastructure. As part of this project, the Wipro team will leverage hyper-automation to help the client improve customer service and overall efficiency, increase speed and scalability, as well as achieve cost optimization.

11. A US-based education assistance agency has selected Wipro to deliver digitally enabled customer care services. The Wipro team will build a custom solution to transform the client's end-user journey. The solution will also ensure better contract compliance, more profitable service delivery, improved customer satisfaction, and enhance the client's overall industry ranking.

12. A North American banking group has selected Wipro to test and improve their overall technology efficiency. The Wipro team will improve the testing automation efficiency of their

legacy technology stack. This will enable the business to onboard new applications within its infrastructure while improving year-on-year automation efficiency across the client's portfolio.

13. A Swiss multinational corporation has selected Wipro to be its Global Network systems integrator to refresh & transform their 600+ sites to be cloud native. The Wipro team will build a completely customized solution that will allow for flexibility and speed of execution 1. in a time-bound manner using Wipro accelerators. This integration project will align with the client's overall cloud strategy, increase their speed to market, and will produce cost savings of up to 20 percent.

Quarterly Conference Call

We will hold an earnings conference call today at 07:00 p.m. Indian Standard Time (9:30 a.m. U.S. Eastern Time) to discuss our performance for the quarter. The audio from the conference call will be available online through a webcast and can be accessed at the following link-

<https://links.ccwebcast.com/?EventId=WIP12012024>

An audio recording of the management discussions and the question-and-answer session will be available online and will be accessible in the Investor Relations section of our website at www.wipro.com

Implementation Investments

American Rheinmetall Vehicles selects VOLTA for simulation data management for the U.S. Army XM30 program

4 January 2024

American Rheinmetall Vehicles, headquartered in Sterling Heights, MI, has selected ESTECO VOLTA as their digital engineering framework to collaboratively manage simulation data and conduct multidisciplinary design optimization studies for the U.S. Army XM30 Combat Vehicle program.

The XM30, formerly known as Optionally Manned Fighting Vehicle (OMFV), is intended to replace the current Bradley and is expected to introduce a wide range of new capabilities. American Rheinmetall Vehicles was recently awarded one of two contracts for the Phase 3 Detailed Design and Phase 4 Prototype Build and Test phases of the five-phased program. During the proposal stage, the U.S. Army placed emphasis on digital engineering to allow for rapid integration for the insertion of future technologies. The XM30 is the U.S. Army's first ground combat vehicle designed using modern digital engineering tools and techniques.

For the digital development phase, VOLTA, as a vendor agnostic framework, was chosen to integrate and automate all third-party simulation tools, and effectively manage all simulation data. Using this approach, American Rheinmetall Vehicles will be able to deliver version-controlled models to the U.S. Army at every stage of the development cycle.

Furthermore, leveraging VOLTA's API, American Rheinmetall Vehicles will be able to build and

maintain a digital thread by integrating simulation workflows with other enterprise systems such as their architecture and PLM environments.

"We're very pleased to be selected by American Rheinmetall Vehicles to contribute to their XM30 effort. Digitally designing a vehicle generates a lot of simulation data, and this data needs to be properly stored, managed, shared and version controlled from a single, authoritative source of truth. Using VOLTA, this data subsequently can be used in multidisciplinary design optimization studies, and analyzed in real time for trade studies and data-driven decision making among all stakeholders. We're very much looking forward to supporting American Rheinmetall Vehicles in their XM30 development."

-Roel Van De Velde Vice President of Aerospace & Defense ESTECO

Astrobotic Uses Ansys to Prepare for Historic Lunar Mission

3 January 2024

Leveraging Ansys DME and multiphysics simulation solutions, Astrobotic's Peregrine lunar lander is poised to make one of the first CLPS deliveries to the Moon. Scheduled to launch early January and land late February, Peregrine will ferry 20 payloads from seven countries and will help NASA explore the lunar surface to prepare for human missions as part of the Artemis program.

To reach the Moon, spacecraft traverse a hostile cislunar environment featuring extreme temperatures, unanticipated space weather phenomena, high levels of radiation, and a multitude of unknowns. The craft must be durable enough to withstand intense load-case scenarios during flight and landing, while remaining light enough to carry enough fuel for the journey. Because it is impossible to replicate these conditions with a physical prototype on Earth, Space 2.0 companies rely on Ansys' virtual design and mission planning to validate their technology and to maximize the chances of mission success.

With support from Ansys Elite Channel Partner, SimuTech Group, Astrobotic used a suite of Ansys solutions to enhance spacecraft design and predict performance across all phases of the complex mission:

- Astrobotic harnessed Ansys' topology optimization capabilities to help design a lander with mass savings of up to 20% while meeting structural durability criteria.
- Engineers used Ansys Mechanical to help evaluate performance under extreme structural loads during the launch and transit, and the impact of shock, vibration, and fluid transients during powered descent.
- Astrobotic engineers used Ansys Discovery to mature the design for stress, reduce mass, and optimize Peregrine for assembly.
- Using Ansys Thermal Desktop, Astrobotic analyzed the complex cislunar orbit and trajectory options across diverse thermal environments and spacecraft altitudes. This enabled the mission planning team to determine the most suitable launch and landing opportunities.

- As Peregrine travels farther from Earth, the integrity of the antenna and radio signal are critical for communications and orbit trajectory tracking. Astrobotic implemented Ansys HFSS to design the antenna radiation patterns to ensure maximum signal strength.

“Ansys solutions helped us design and validate an innovative lander within a strict mission timeline that a manual approach would not have met,” said Sharad Bhaskaran, mission director, Astrobotic. “Peregrine is poised to be one of the first U.S. spacecraft to land on the Moon since Apollo, so we put it through rigorous testing to ensure it has the durability to withstand extreme cislunar conditions. With expert engineering guidance from SimuTech and Space Exploration Engineering, we are confident the Peregrine is ready to pave the way for the future of lunar operations.”

Space Exploration Engineering (SEE), an aerospace firm specializing in planning space missions, mission analysis, and flight dynamics, leveraged Ansys’ DME capabilities to support the mission. Using Ansys Systems Tool Kit (STK), SEE experts worked as part of the Astrobotic Flight Dynamics team to plan Peregrine’s mission, trajectory, and maneuvers. The Astrobotic team used Ansys Orbit Determination Tool Kit (ODTK) to track the lander’s orbital trajectory and used STK to plan maneuvers and course corrections to achieve an accurate approach to the final landing site. SEE engineers augmented the existing mission capabilities by running the flight dynamics system, AstroFDS, which provides crucial automation of interfaces, workflows, and configuration control of Ansys ODTK and Ansys STK.

“Flying to the Moon is no easy undertaking because there are innumerable variables and scenarios that must be tested,” said John Carrico Jr., owner and chief technology officer, Astrogator and technical advisor, SEE. “Our collaboration with Ansys helps customers like Astrobotic account for cislunar environments through predictively accurate, reliable simulations and real-time guidance from experts with a track record of success.”

“As one of the first CLPS missions, the Astrobotic Peregrine lander serves as de facto pathfinder,” said Shane Emswiler, senior vice president of products at Ansys. “Astrobotic needed Peregrine to perform predictably in a hostile environment, and there is no way to do that with only physical testing on Earth. Ansys has a long history of providing high-fidelity simulation solutions to civil, defense, and commercial programs, repeatedly proving reliability in uncertain conditions.”

Cyncly’s 3D online design tool powers retailer CEDEO’s Envie de salle de bain showrooms web-to-store omnichannel strategy

9 January 2024

Cyncly, the leading global provider of software and content solutions that help make spaces amazing, is excited to announce that its client, retailer CEDEO and its Envie de salle de bain showroom (of the Saint-Gobain Group), and its related brand Point P, have launched a new online 3D bathroom and tile design tool powered by Ideal Spaces. This new solution brings a powerful self-service design tool to customers who wish to create their own spaces, and enables the company’s professional designers to create and update polished designs with their customers in real time.

During the comprehensive bidding process and feasibility study, the Envie de salle de bain team was won over by the technological capabilities of Cyncly's design and sales solution, the skills of the project team and Cyncly's deep industry experience. Now, the 3D configurator solution powered by Ideal Spaces serves as one of the three pillars of the company's digital strategy to become the omnichannel bathroom leader, leveraging its online presence and improving its customer service at over 200 showrooms.

"We chose to work with Cyncly not only because their product met our needs, but also because they act as a real partner to support our growth and ambition," says Cyrille Malfilatre, National Director, Envie de salle de bain. "Now we are seeing the benefits of the project: our designers can deliver a better customer experience in every way. We understand our customers more deeply, meet their needs more quickly, and can cut administrative burden by 30%. By giving installers a more complete set of designs and specifications, customers can be confident the installation will meet their expectations. We are excited to be improving every step of the customer journey."

Envie de salle de bain had set several objectives for the 2023 launch. Above all, it aimed to shorten the sales cycle and beef up their digital offering through the implementation of Ideal Spaces, both in-store to equip their sales staff and online to inspire consumers through leading self-service design capabilities. The Ideal Spaces solution improved on the company's previous design tool by offering their designers a modern, intuitive tool that allows them to complete designs faster and show customers more polished offers.

The Ideal Spaces solution went beyond a drop-in replacement for the company's previous design tool, however. Instead, it is the technical foundation for a larger-scale customer engagement project involving their marketing, IT and bathroom business experts. Now, Envie de salle de bain customers can create their project where they want, when they want and on any device – and the company can build stronger relationships with its customers when they are online and in the store.

"We're proud that a major group like Saint-Gobain has selected Cyncly to collaborate on this project," says Philippe Laziosi, Enterprise Sales Director for Southern Europe, Cyncly. "They are taking advantage of two core strengths of Ideal Spaces: the quality of our design data and the wealth of bathroom and tiling catalogs integrated into the solution. We have worked hard to earn their trust and fulfill their vision for a better end-to-end customer experience. Now, they are seeing the benefits with more insights into their customers' needs and an improved sales cycle."

Eclipse Stores Enables Digital Retail Success with Tecsys' OMS

10 January 2024

Tecsys Inc., a global leader in supply chain management solutions, announced that Eclipse Stores, a leading Canadian fashion retailer, has successfully integrated Tecsys' order management system (OMS) into its e-commerce store, which is powered by Shopify. This strategic digital commerce fulfillment environment, implemented with expert guidance by

Allure Commerce, highlights Eclipse's commitment to enhance service levels and deliver an unparalleled customer experience.

The integration between Tecsys' OMS and Shopify's e-commerce platform provides a seamless flow of order information between the online storefront and back-end order management. This digitally-enabled environment allows Eclipse to expand its omnichannel capabilities across multiple platforms while maintaining a source of truth for tracking and management of inventory. This reduces manual entry, minimizes errors, and provides better visibility throughout the order processing cycle.

"We are in relentless pursuit of providing positive customer experiences, and that extends into our digital commerce ecosystem," said Genevieve Bulgin, director of Retail Operations at Eclipse Stores. "Allure Commerce helped us realize our vision for a seamless, omnichannel experience, and provided the technical expertise to execute it flawlessly. Our new digital ecosystem effectively combines the elegant Shopify front end with the sophisticated Tecsys order management orchestration back end, providing a scalable platform for efficient omnichannel commerce."

With Tecsys' OMS, Eclipse can now leverage its integrated platform to offer a suite of customer-centric value drivers, enhancing the overall shopping journey while positively impacting business performance. The retailer is now equipped to:

- Elevate the customer experience with frictionless commerce and improved communication regarding order status.
- Simplify the returns process, offering added convenience for customers.
- Maximize sales opportunities, ensuring no sale is ever missed and increasing revenue streams.
- Scale its omnichannel capabilities, both by channel and volume. This includes the infrastructure to offer popular options like Buy Online, Pickup In Store (BOPIS), Reserve Online, Pickup In Store (ROPIS), and Ship-from-Store services.
- Drive better decision-making by using the combined data for valuable insights into customer behavior, sales trends and operational efficiency.
- Streamline processes, such as order consolidation and split orders, for increased operational efficiency.

Eclipse Stores' initiative to integrate Tecsys' OMS into their Shopify-powered store sets a high standard in retail efficiency and customer satisfaction. With accurate inventory data and efficient order processing, customer service associates have up-to-date information about product availability, visibility into order status, and flexibility around fulfillment preferences. This level of service can significantly enhance their customer's shopping experience and is a testament to the role of innovative technology solutions in transforming the retail landscape.

"It is a privilege to work with Allure Commerce to deliver this level of digital commerce execution to the Eclipse team," said Guy Courtin, vice president of Industry and Global Alliances

at Tecsyes. "Eclipse is a prime example of how the right combination of technology can create a ripple effect of efficiency and growth across all facets of retail business."

GUC Tapes Out Complex 3D Stacked Die Design on Advanced FinFET Node Using Cadence Integrity 3D-IC Platform

10 January 2024

Global Unichip Corporation (GUC), a leading global ASIC provider, has successfully taped out a complex 3D stacked die design on an advanced FinFET node process. The design, which involves a memory-on-logic configuration achieved with a wafer-on-wafer (WoW) structure using a flip-chip chip scale package, was created using the Cadence Integrity 3D-IC Platform. Seamless integration between the Cadence Integrity System Planner and Cadence Innovus Implementation System in the Integrity 3D-IC platform enabled the die-to-die interface planning and hierarchical die stacking in this complex design. This WoW design has been validated with first-pass silicon success.

The Integrity 3D-IC platform provides on-chip and off-chip analysis flows that enable cross-die timing, power planning, IR and thermal analysis, and seamless physical verification for the WoW 3D stack. To tape out this design, GUC used the Integrity 3D-IC platform with a specific focus on cross-die 3D planning and integrated analysis tools for system-level analysis. After planning, the 3D stacked die went through full implementation with the Innovus system. IR analysis was performed with the Voltus IC Power Integrity Solution, followed by early system-level LVS verification available through the Integrity 3D-IC platform.

"This tapeout of wafer-on-wafer stacked die design technology at advanced FinFET nodes is a big step towards realizing the full potential of true 3D-IC technology," said Louis Lin, senior vice president of Design Services at GUC. "Using Cadence's Integrity 3D-IC platform working seamlessly across all layers of a full 3D stack, we were able to implement a complex stacked die design on a flip-chip chip scale package using state-of-the-art techniques for cross-die partitioning, timing analysis, package layout, and analysis. The comprehensive nature of Cadence's 3D-IC platform solution enabled us to handle the complexity and deliver an innovative multi-die stacked design on advanced FinFET nodes."

Dr. Chin-Chi Teng, senior vice president and general manager in the Digital and Signoff Group at Cadence, said, "With the increase in demand for automation for multi-die solutions, it is necessary to provide a comprehensive solution for handling both the on-chip and off-chip complexity of a stacked die system. Cadence's Integrity 3D-IC platform for unified 3D-IC design and analysis ties our best-in-class implementation technologies for SoC and package design with system-level planning and analysis. As the industry continues to move to different configurations of 3D stacked dies, the Integrity 3D-IC platform is a key enabler in achieving system-driven power, performance, and area through system technology co-optimization for next-generation 3D-IC designs."

The automation and comprehensive nature of the Cadence Integrity 3D-IC platform solution enabled GUC to deliver an innovative multi-die stacked design on advanced FinFET nodes, laying the foundation for the development of next-generation 3D-IC designs.

Kongsberg Aviation Maintenance Services AS selects IFS Cloud to streamline operations and strengthen asset reliability

8 January 2024

IFS, the global cloud enterprise software company, announced that Kongsberg Aviation Maintenance Services AS (KAMS), a leading supplier of maintenance, repair and overhaul (MRO) services within the aviation industry for both military and civil organizations has selected IFS Cloud to streamline operational efficiency and build long-term asset resilience.

The use of IFS Cloud will enable KAMS to improve turnaround time (TAT) and reduce costs, helping to facilitate business expansion and new customer acquisition.

The comprehensive functionality of IFS Cloud will also help KAMS optimize processes for enhanced productivity, allowing it to improve resource allocation, sourcing, planning, maintenance execution, and financial reporting. Additionally, the implementation will enable the defense supplier to automate its order-to-cash process, encompassing customer quoting, planning, maintenance execution and invoicing, and thereby removing operational silos and manual labor.

Andre Jægtvik, Acting President at KAMS, said “We look forward to partner with IFS utilizing their technology in the years to come. Our industry is rapidly changing with the introduction of new technology, and we must change with it.”

KAMS is set to deploy a comprehensive suite of IFS Cloud modules including functionality for maintenance, repair and operations (MRO), supply chain, projects, procurement, finance, CRM, and health safety and environment (HSE).

Once fully deployed, IFS Cloud will cater to the needs of 500 users at four sites across Norway. IFS alliance partner, CGI, will help deliver the implementation.

Ann-Kristin Sander, Managing Director Nordics, IFS, said: “We are thrilled to have the opportunity to work with KAMS. They are not only key suppliers to the Norwegian Air Force, but they are also playing a vital role in growing NATO’s production defense capacity. At a time when the wider aerospace and defense market is undergoing rapid growth, IFS Cloud will be helping KAMS to produce more flight hours with effective operations at a reduced cost, which will in turn increase the Air Force’s availability for NATO.”

Lumen selects Atos for multi-year mainframe modernization

9 January 2024

Atos, a global leader in digital transformation, announces that it has been selected by global telecommunications company, Lumen, to modernize its mainframe services in a multi-year deal.

Atos will provide Lumen with a new mainframe platform to support its most critical applications. Three data centers operated by Lumen will be brought together into a single Atos-operated US hub to provide best-in-class infrastructure.

The mainframe-as-a-service solution, offers Lumen a 'cloud-like' mainframe scalability that provides everything from computing power to service management and innovation. Consumption-based charging allows Lumen to adjust the service as its capacity needs change. Atos will also provide 24/7 hardware, software and technical support alongside monitoring and operations.

Lumen and Atos will migrate the mainframe workloads into Atos' Hub through carefully phased migration to ensure service levels are maintained at all times.

Michael Grunberg, CEO North America, Tech Foundations, Atos said *"By transforming Lumen's mainframe, we will bring the company security, agility, and the opportunity for innovation while supporting their business transformation objectives. We look forward to deepening the relationship and creating opportunities to extend our collaboration in the future."*

Chad Naeger, Lumen CIO said *"Our mainframe is a central computing backbone and is pivotal to our business operations. It demands the highest level of stability and security to power our operations. We have entrusted Atos to modernize our Mainframe environment, confident in their expertise, experience, and ability to propel our transformation goals."*

Atos has more than 45 years of experience in mainframes and has been a Global IBM Platinum and Global Strategic Business Partner for more than 20 years. Atos has been recognized by Information Services Group (ISG) in July 2023 as a leader in mainframes for the second year in a row.

Lumen has one of the largest, most deeply peered networks in the world. From metro connectivity to long-haul data transport to edge cloud, security, and managed service capabilities, Lumen meets their customers' needs today and as they build for tomorrow. These services will be delivered to Lumen's U.S. operations only.

Matterport's 3D Property Marketing Solution Elevates Hospitality and Guest Experiences For The Ivy Collection

9 January 2024

Matterport, Inc., announced that The Ivy Collection, one of the UK's leading restaurant brands, selected Matterport's 3D Property Marketing solution to help customers experience its private dining spaces virtually, to streamline event planning, and maximize customer satisfaction.

The Ivy Collection offers exclusive private dining experiences across London, the UK and Ireland, featuring a range of elegant rooms capable of accommodating intimate gatherings or grand events for over 100 guests. To meet the growing demand for personalized experiences, these private spaces can be customized with bespoke decorations and tailored menus.

As part of the brand revamping its website, The Ivy Collection digitized 50 of its private dining rooms with Matterport's digital twin technology. This has allowed clients to virtually walk

through the space and experience the room as it is, helping set client expectations for those unable to see the venue physically, and increasing trust among clients. This not only enhanced the client experience, but also saved the Ivy Events and Venues Team time, reducing the team's need for physical show-rounds, cutting travel, and minimizing disruptions.

Matterport's Property Marketing solution, powered by the company's digital twin technology, has helped customers in real estate, travel and hospitality to attract more buyers, close faster, and increase bookings. With all-in-one rich media assets produced from a single Matterport digital twin— from 3D experiences to 2D photography, and floor plans— Matterport is a one-stop shop for property marketing needs.

Patterson Equipment Company is Implementing GenAlpha's Equip360 Digital Platform

10 January 2024

Patterson Equipment Company will be implementing the eCommerce module of GenAlpha's digital platform, Equip360, in Q1 of the upcoming year. They specialize in sewer and utility maintenance equipment and are the top dealer for Super Products and Subsite in North America. Patterson Equipment has been in the industry for over 15 years and is committed to providing top-tier environmental equipment solutions to meet the demands of the sewer and utility maintenance industries.

The implementation of Equip360's eCommerce module marks a significant stride towards Patterson Equipment Company's dedication to elevating customer satisfaction and experience. This digital transformation aims to streamline operations, optimize the digital interface, and bolster support for their valued customers.

"Patterson Equipment has always prioritized customer-centric solutions, ensuring our clients receive nothing short of excellence. Embracing Equip360 from GenAlpha aligns seamlessly with our commitment to exceeding customer expectations," stated Jeff Patterson, President of Patterson Equipment Company.

Equip360's comprehensive digital offerings, including eCommerce capabilities and enhanced customer support, help to revolutionize parts and equipment sales. This transformative step promises an unparalleled digital experience for Patterson Equipment Company's customers.

"We are thrilled to collaborate with Patterson Equipment, a company that shares our values of prioritizing customer satisfaction and delivering excellence. The implementation of Equip360 will empower them to achieve their digital aspirations and redefine the standard of service offered to their customers. We eagerly anticipate the positive impact this partnership will bring," said Kris Harrington, President and CEO of GenAlpha Technologies.

Portwest Increases Efficiency & Drives Innovation with Centric PLM

9 January 2024

Market leader in safety workwear, Portwest, successfully launched their Centric PLM™ implementation as part of their strategic digital transformation. The project, delivered on-

budget, already boasts high user-adoption rates and enhanced team communication. Centric Software® provides the most innovative enterprise solutions to plan, design, develop, source, buy, make, price, allocate, sell, and replenish products such as fashion, outdoor, luxury, multi-category retail, grocery, food & beverage, cosmetics & personal care and consumer electronics to achieve strategic and operational digital transformation goals.

Portwest, a proud family-owned and managed business with over 120 years' experience, is the fastest growing safety, workwear and PPE manufacturer and distributor worldwide. With a global distribution network and customer service staff in over 130 countries, 5,500 plus employees worldwide, four factories, nine global sales offices, 11 international warehouses and more than 400 safety styles across 10 ranges, Portwest is a global 'one-stop-shop' for all workplace safety needs.

The drive to innovate runs deep in Portwest's brand DNA. This led them on the search for a powerful and dynamic solution to streamline complex business processes, empower innovation and improve team communication.

"As a fast growing and ever-evolving company it became apparent to us that efficiency and standardization of how we communicate and develop our products was crucial," says Paula Fink, Product Manager and PLM Lead at Portwest. "We wanted to streamline our administrative tasks to free us up for increased innovation and development."

Valuable time and creative potential were being lost by teams using disparate systems and processes and communicating through email. Because of their large and highly technical range, manually updating compliance and tech packs had become a lengthy and error-prone process, and Portwest needed a solution to bolster sustainable product and fabric development.

After a thorough assessment process, Portwest chose Centric PLM for its 'single source of truth' and broad functionality, which would empower teams to achieve their objectives. "We had seen Centric in operation and were impressed with the technicality and usability," shares Fink.

Portwest's implementation was a major undertaking due to their sheer size and large volume of legacy product information, for which they required a highly tailored PLM configuration. The project is a resounding success, thanks to Centric Software's expertise in delivering best of breed solutions, with users going live on Centric PLM.

Portwest had a dedicated PLM project team working with Centric on the implementation, and highlights the collaborative, supportive and responsive nature of the relationship as one of the keys to success. "The collaboration with the team at Centric was well balanced and we felt supported throughout the process," explains Fink.

"We went through a few rounds of advanced configuration but stayed within budget," continues Fink. "The benefit of this was that our internal project team gained a better understanding of the software and we found it easier to tailor the system to our needs."

Since launching their Centric PLM project, Portwest has achieved high user adoption rates and improved communication company wide. "User-adoption has been great; users of all abilities

have embraced the system and information is always easily accessible in real-time,” praises Fink.

The team expects more measurable results in the future, particularly with their streamlined packaging and branding updates. “Centric is helping us to track any changes to product materials,” says Fink. “With PLM’s ‘single version of the truth’ we hope to increase our range of eco-conscious products and fabrics to meet the challenge for our industry to become more sustainable.”

“We are thrilled that Portwest has chosen Centric PLM to streamline processes and free up their teams to focus on innovation,” says Chris Groves, CEO of Centric Software. “Centric Software is proud to partner with a company with a legacy of excellence and commitment to innovation and sustainability.”

Simulations Plus Embarks on Collaboration with Northeastern University and The TIM Company Through New FDA Grant

9 January 2024

Simulations Plus, Inc., a leading provider of modeling and simulation solutions for the pharmaceutical, biotechnology, chemicals, and consumer goods industries, announced that, through a joint proposal with Northeastern University and The TIM Company, it has been awarded a new funded grant from the U.S. Food and Drug Administration (FDA). The project will aid in the understanding of oral modified-release (MR) formulations and advance the development and approval of generic oral MR drug products through the combination of novel *in vitro* testing and mechanistic modeling and simulation.

For this award, Dr. Jie Shen, Associate Professor of Pharmaceutical Sciences, and her lab at Northeastern University, along with partners at The TIM Company, will generate *in vitro* data characterizing the critical quality attributes (CQAs) and dissolution of multiple strengths of MR formulations. The newly generated data will be used to parameterize physiologically based pharmacokinetic/physiologically based biopharmaceutic (PBPK/PBBM) models predicting clinical pharmacokinetics of those MR formulations following their oral administration. The combination of *in vitro* and *in silico* studies will support the identification of the appropriate factors to scale the MR formulation for additional strengths, and to identify the CQAs and formulation design spaces for oral MR tablets.

“This collaboration is an exciting step forward, as we combine our PBPK/PBBM modeling and simulation expertise with Northeastern University’s research excellence and The TIM Company’s groundbreaking tiny-TIMsg model,” said Dr. Xavier Pepin, Associate Vice President, Regulatory Strategies and lead investigator for this grant for Simulations Plus. “Together, we are charting a course towards more efficient drug development and safer healthcare solutions. We believe the comprehensive framework established through this collaboration will have value for both the FDA and the companies involved in developing oral MR formulations.”

“The research efforts of our team and Dr. Shen have the potential to accelerate the availability of critical treatments to patients across the world, with minimized need for clinical trials,” said

Susann Bellmann, Chief Technology Officer at The TIM Company. “We are proud to support those efforts and this collaboration through the use of our dynamic *in vitro* gastrointestinal model, tiny-TIMsg.”

FDA scientific and program staff will actively collaborate with Northeastern University, The TIM Company, and Simulations Plus. Dr. Pepin, with assistance from Dr. Maxime Le Merdy at Simulations Plus, will oversee the modeling and simulation activities of the contract.

Funding for this collaboration is made possible by the Food and Drug Administration through grant award 1U01FD007959-01. Views expressed in this press release do not necessarily reflect the official policies of the Department of Health and Human Services; nor does any mention of trade names, commercial practices, or organization imply endorsement by the United States Government.

Product News

AGILOFT LAUNCHES GENERATIVE AI CAPABILITY TO STREAMLINE CONTRACT NEGOTIATION, REVIEW, AND REDLINING

9 January 2024

Agiloft, the most trusted global leader in data-first contract lifecycle management (CLM), today announced a new generative AI (GenAI) capability that streamlines negotiations and empowers users to significantly increase the speed with which they’re able to redline, negotiate, and ultimately agree on contract terms.

“We are thrilled today to announce new generative AI capabilities for 2024 that build onto our existing AI Platform,” says Andy Wishart, Chief Product Officer at Agiloft. “With this release we are addressing the all-too common problem legal and contracting professionals see when negotiating contracts: excessive and endless redlining between parties. This new capability employs generative AI to understand approved clauses, review third-party contract language for areas of misalignment, and then compose redlines that marry third-party contract language with legal’s preferred phrasing. This greatly reduces the back-and-forth negotiations between parties, providing an express route to contract execution.”

Users can leverage language from their clause library to power Agiloft’s new GenAI capabilities or create new content with GenAI that matches their needed terms and closely conforms to the text of the contract under negotiation. Agiloft is working directly with early adopters to build and improve this and other features that enable connected, intelligent, and autonomous contracting processes so companies can unlock the value of contract data and accelerate business.

“Our goal is to use AI as a force multiplier to assist our customers in solving their biggest contracting challenges and ultimately improve their businesses,” said Eric Laughlin, CEO at Agiloft. “We see AI as an enabling technology that will supplement human decision-making, not replace it. We go to great lengths to ensure that our customers retain control over their work product and build trust over time in AI assistance. With this release our team has brought the

transformative technology of generative AI directly into contracting, freeing up legal and contract teams to streamline negotiations by capitalizing on the language they have already approved to get deals done and accelerate the business.”

Agiloft’s new GenAI redlining capability is part of a series of GenAI features on the company’s 2024 roadmap and follows the release of Agiloft AI Trainer in August 2023, which empowers non-technical users to fully customize the way they review and analyze contracts and enables customers to deploy “AI, Your Way.”

Altium 365 Integrates with Z2Data

9 January 2024

Altium, LLC, a leader in global electronics development software, announced its integration with Z2Data, one of the most comprehensive electronics supply chain risk management solutions.

This integration will provide Altium 365 users with direct access to Z2Data’s extensive supply chain and component database, enabling them to build resilience in engineering, compliance, and procurement.

Drawing upon Z2Data's broad database of over a billion electronic components, Altium 365 users will have access to detailed component information, spanning everything from basic resistors to sophisticated integrated circuits. This data gathered directly from manufacturers, ensures accuracy and reliability, providing one platform for engineers and procurement professionals to manage supply chain risk.

"The electronics world remains highly sensitive to component supply chains since the COVID shortage, and we're thrilled to be an enabler for driving insights to our customers with this integration between Z2Data and Altium 365," says Ananth Avva, GM and Sr. Vice President of Cloud Platform at Altium. "It's a partnership that will streamline workflows, mitigate risk, and elevate compliance across the entire product lifecycle. Yet we go beyond to drive deeper insights and full traceability of components to drive compliance initiatives at organizations with Z2Data’s Advanced Insights package. For our customers, that means faster time to market, lower costs, and the confidence to push the boundaries of innovation. I couldn't be more excited about the possibilities this unlocks for our customers."

"We're thrilled to partner with Altium to improve the supply chain management experience for Altium 365 customers. Whether it's obsolescence, regulatory, or geopolitical, teams need innovative ways to tackle the growing challenges," says Mohammad Ahmad, President and CEO of Z2Data. "That starts with getting access to the right data. Z2Data's comprehensive database will give teams the information they need to make timely and informed decisions around their product development strategy."

The integration will offer:

- **Comprehensive Data Coverage:** Dive deep into detailed part datasheets, lifecycle stages, RoHS & REACH compliance, and most importantly, Z2Data's exclusive part scoring algorithm.

- **Risk Management:** Z2Data's proprietary 6-point part scoring algorithm goes beyond the basics. It factors in critical elements like obsolescence projections, multi-sourcing, compliance, technology shifts, market availability, and even manufacturer risk, giving you a comprehensive picture for informed decision-making.
- **Free Package:** An exclusive offer for up to 150 part searches at no cost, including detailed part datasheets, lifecycle data, RoHS & REACH status, and an overall part score calculated based on Z2Data's proprietary scoring algorithm.
- **Premium Package:** An advanced package that gives users access to everything in the Free Package as well as critical information on electronic components, including multi-attribute parametric details, lifecycle insights, compliance checks, risk assessments, manufacturer scores, and most importantly, Z2Data's proprietary 6-point part scoring algorithm, enabling informed decision-making in one integrated solution.

Altium continues to revolutionize the electronics development landscape, striving to consolidate all aspects of electronics product design to realization into a unified ecosystem. This integration with Z2Data underscores Altium's commitment to delivering a comprehensive, intuitive solution that caters to electronics engineers, operations, procurement, and supply chain professionals. This approach promotes seamless coordination and empowers informed decision-making for Altium's customers throughout the entire product development lifecycle.

Altium Launches Altium 365 BOM Portal

11 January 2024

Altium, LLC, a global leader in electronics design systems, announces the launch of the BOM Portal within the Altium 365 platform. The BOM Portal is engineered to dramatically enhance collaboration between engineering and procurement teams, offering a unified approach to managing Bills of Materials (BOMs) in electronics design.

Procurement professionals now have visibility into upcoming designs before they are released, enabling them to catch issues early in the development process. Both procurement and engineering teams benefit from a comprehensive dashboard that monitors all Bills of Materials (BOMs) in production and provides immediate insights into any parts supply issues.

The BOM Portal on Altium 365 fosters efficient collaboration and informed decision-making across the product lifecycle. By integrating with top data sources like Octopart, SiliconExpert, and S&P Global, it provides companies with real-time, accurate component data. This is crucial for making smart, data-driven decisions.

"We are thrilled to unveil the BOM Portal as an integral part of our Altium 365 platform," states Ananth Avva, GM and Sr. Vice President of Cloud Platform at Altium. "With the complexities of modern electronics development in mind, the BOM Portal addresses the critical point when the process moves from design to realization. Specifically, the BOM Portal creates a digital BOM that intelligently enables procurement, manufacturing, and engineering professionals to collaborate effectively. Our unwavering commitment to revolutionizing the electronics design process is evident in this launch, aiming to enhance efficiency, mitigate risks, and ensure a

cohesive workflow. This commitment is extended into the ecosystem that we are building with strategic partners such as Silicon Expert, IHS, and Z2Data."

Key Capabilities of the BOM Portal:

- **BOM Management Integrated with Hardware Development:** BOM Portal breaks down barriers between engineering and procurement teams, fostering direct communication and significantly reducing the risk of miscommunication, mistakes, and delays.
- **Advanced Data Integration:** BOM Portal provides access to real-time, detailed component information from Octopart, S&P Global (formerly IHS Markit), SiliconExpert, and soon Z2Data, enhancing the procurement and design process.
- **Comprehensive BOM Management:** BOM Portal equips users with tools for efficient BOM management, including automatic data enrichment with part details and lifecycle information.
- **Risk Mitigation:** BOM Portal proactively identifies potential supply chain disruptions and component obsolescence, enabling timely responses to component and market fluctuations.
- **Cost and Time Efficiency:** Up to 80% of PCB designs require part replacements, often taking 40 hours to resolve sourcing issues*. The capabilities of BOM Portal coupled with our data integrations reduces this to a fraction of the time, expediting the design process and reducing time-to-market.

The BOM Portal exemplifies Altium's ongoing innovation within the Altium 365 platform. It highlights Altium's dedication to creating integrated solutions for electronics development that not only reduce time to market but also enhance product quality and sustainability.

Ansys Launches Ansys SimAI™

9 January 2024

Ansys launches its newest Artificial Intelligence (AI)-based technology, Ansys SimAI, a physics-agnostic, software as a service (SaaS) application that combines the predictive accuracy of Ansys simulation with the speed of generative AI. The new solution supports an open ecosystem and predicts performance within minutes — democratizing simulation through intuitive interfaces and processes.

Demand for engineering software solutions that improve productivity without sacrificing accuracy has grown significantly, driven by more sophisticated products and shorter time-to-market imperatives. In short, today's companies can't afford to wait-and-see. By infusing advanced generative AI into the design process alongside simulation, users can redefine and gain more value out of existing processes to meet the needs of a dynamic market. Operating at extreme speeds, Ansys' latest AI solution accelerates research and development, shortens product development cycles, and promotes human creativity by enabling expansive design exploration opportunities.

The Ansys SimAI solution is intuitive and easy-to-use, designed for users without coding experience or deep learning expertise. Instead of relying on geometric parameters to define a design, Ansys SimAI uses the shape of a design itself as the input, facilitating broader design exploration even if the structure of the shape is inconsistent across the training data. The application can boost prediction of model performance across all design phases by 10-100X for computation-heavy projects. Customers can train the AI using previously generated Ansys or non-Ansys data. Training and predictions are hosted on a state-of-the-art cloud infrastructure to ensure that user data is secure and kept private.

“With Ansys SimAI, we will be able to easily test a design within minutes and rapidly analyze the results, ultimately redefining our digital engineering workflow and reshaping our perception of what is possible,” said William Becamel, expert leader in numerical modelling and simulation, Renault Group. “By enhancing simulation speed, we can explore more technical possibilities during the upstream phase of our projects and reduce the overall time-to-market.”

“Our customers across industries are becoming more reliant on generative AI to improve their design processes,” said Shane Emswiler, senior vice president of products at Ansys. “The increased demand for cloud-native solutions signals momentum in the shift from siloed workflows to a more open, collaborative approach to simulation. Ansys SimAI, in combination with other Ansys solutions, opens a world of possibilities — helping organizations develop comprehensive, end-to-end processes for diverse applications with inherent time and cost saving benefits.”

Additional AI-enabled offerings, including Ansys AI+™ products and AnsysGPT™, will be available in Q1 2024.

BETA CAE Systems announces the release of the v7.2 of its License Manager

8 January 2024

About this release

As BETA LM v7.x is a prerequisite for running any BETA Software Suite Product, starting from the v23.0.0 and onwards, constantly aiming to provide you with first-class support, we announce the second bug-fix release v7.2 of the License Manager series.

There are numerous highly anticipated implementations to look forward to in this new version, along with noteworthy enhancements and fixes.

A detailed list with a selection of the most important items follows:

Enhancements and Known issues resolved

"Kill User" Tool

On Windows OS, beta_lm_kill_user command would not be successfully executed, even by users with administrative privileges.

Service Installation

BETA_LM “on-the-go”, i.e., the usage of a USB Ethernet/WiFi card for the license server, is now supported for Linux OS, too.

Opt File

Custom groups can now be directly defined inside the administrator's license.opt file.

Through a new syntax, users, groups, etc. can now be limited to a specific number of credits, to be used for any feature.

Credits reservation is now also possible using the new syntax for credits limitation, in combination with a new exclusion syntax.

Furthermore, all users can now be denied/limited, excluding specific users or groups.

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

Compatibility

BETA LM Tools 7x does not require a new host key. Existing license files are compatible with the new license manager.

The new version is compatible with all the previously released BETA CAE Systems software.

Future versions of BETA CAE Systems software will continue to be compatible with the previous version of BETA LM Tools.

Configit Ace® Now Available in the Microsoft Azure Marketplace

9 January 2024

Configit, the global leader in Configuration Lifecycle Management (CLM), announced the availability of its CLM SaaS solution, Configit Ace®, in the Microsoft Azure Marketplace, an online store providing applications and services for use on Azure. **Configit customers can now leverage the Microsoft validated SaaS solution on the productive and trusted Azure cloud platform**, with streamlined deployment and management.

Configit provides market-leading global manufacturers with business-critical solutions for the configuration of complex products. Based on the patented Virtual Tabulation® (VT™) technology, Configit's solutions enable companies to reduce time to market, increase quality of configurable products and improve process efficiency.

Configit Ace® gives manufacturers and service providers the opportunity to regain control through a scalable, dependable enterprise-grade solution— establishing a shared source of truth for product configuration information. Configit Ace® has passed the well architected review by Microsoft and is also a part of Microsoft's Azure Consumption Commitment (MACC) Program, adding additional flexibility for users.

Rene van Haaster, Regional Executive Director, ISV Partner Sales, Microsoft Western Europe, said: "We're pleased to welcome Configit Ace® to the Microsoft Azure Marketplace, which gives our partners great exposure to cloud customers around the globe. Azure Marketplace offers world-class quality experiences from global trusted partners with solutions tested to work seamlessly with Azure."

Johan Salenstedt, CEO, Configit, said: “Businesses today need a single, centralized source of configuration truth to minimize complexity of configurable products. The inclusion of Configit Ace® to the Microsoft Azure Marketplace provides us with access to previously unexplored markets. We believe that this strategic step will help accelerate our growth, allow us to reach a wider range of customers and provide additional value to our global customer base.”

The Azure Marketplace is an online market for buying and selling cloud solutions certified to run on Azure. The Azure Marketplace helps connect companies seeking innovative, cloud-based solutions with partners who have developed solutions that are ready to use.

CoreLogic Unveils Clarity Assure for Advanced MLS Security featuring Adaptive Authentication

10 January 2024

CoreLogic announced today a new offering to its Clarity security solutions for Multiple Listing Services by launching Clarity Assure™, now available to all MLSs. The new, advanced security platform features adaptive authentication and leverages multi-factor authentication to offer MLSs a highly fortified defense to protect its data and infrastructure against escalating cyber threats.

Clarity Assure uses adaptive authentication with built-in artificial intelligence and machine learning to identify suspicious activity and selectively deploys multi-factor authentication when a login risk level exceeds an acceptable risk threshold. This offers MLSs one of the newest and most advanced ways to deter unauthorized users, bots and deceptive login attempts in real time. By preserving the integrity of MLS systems and data, Clarity Assure also protects real estate professionals and their clients.

“Security is one of the top issues on the minds of every MLS leader today,” said Shaleen Khatod, Executive, Enterprise Strategy & Initiatives for CoreLogic. “CoreLogic is re-writing the MLS defense book for safeguarding MLS systems and data against threats like ransomware and cyber-attacks. This includes Clarity Assure adaptive authentication meticulously analyzing user behavior patterns. It can identify and stop bad actors while ensuring authorized users get the safe, secure and frictionless access they need.”

Because CoreLogic’s Clarity Assure security solution is already integrated into more than one thousand of the most common software tools used by real estate agents, the onboarding process for MLSs to add Clarity Assure with its Single Sign On (SSO) Dashboard can be done quickly and hassle-free. The security platform is available to all MLSs, regardless of if they use Clarity’s SSO Dashboard.

“Clarity Assure provides MLS leaders and their subscribers peace of mind that their systems are resilient against existing and evolving threats,” said Khatod, adding, “Clarity Assure is an essential part of a comprehensive security strategy, providing the highest level of security to safeguard the data and applications that drive their business.”

The number of ransomware victims globally increased 143 percent during the first quarter of 2023, according to a new report from insurer Alliance Commercial. The study estimates the annual cost of ransomware to victims will soar to \$265 billion annually by 2031.

Elysium Unveils 3DxSUITE EX10 - A Significant Advancement in 3D Data Interoperability

12 January 2024

Elysium, the leading global provider of interoperability solutions, proudly announces the release of [3DxSUITE EX10.0](#), a major upgrade to its renowned 3DxSUITE platform.

Designed as a modular platform to facilitate seamless 3D data interoperability, 3DxSUITE has been a cornerstone in supporting the Model-Based Definition (MBD)/Model-Based Enterprise (MBE) journey for our global customers. The primary objective of EX10 is to usher in a new era of digital transformation within manufacturing, streamlining MBE processes by establishing connectivity across design, manufacturing, inspection, and archiving.

“While semantic information beyond geometry representation included in the CAD data is human-visible on the screen, it remains non-machine-readable, hindering automation of the process beyond existing tools and software,” states Atsuto Soma, President & CTO of Elysium. “The digital transformation of product development process aims to create an environment where human and machine collaboration is seamless, enabling increased focus on innovation.”

A pivotal aspect facilitating this collaboration is Full Semantic Product Manufacturing Information (PMI), providing machine-readable information that automates manufacturing and inspection processes. As an example of translating machine to human-readable information, Elysium’s CADValidator detects deviations in CAD data revisions and generates comprehensible change reports.

“Product Manufacturing Information (PMI) is a key element for downstream processes,” emphasizes Soma. “While Graphic PMI serves human visibility, machines require Semantic PMI for automation, bridging the gap between software and hardware. Standardization is paramount, and 3DxSUITE, with its customization capabilities, facilitates software integration tailored to individual company and departmental needs.”

Soma further notes, “At Elysium, our mission is to eliminate the barriers that exist between machines and humans. By connecting humans and machines, we aim to streamline 3D and MBD workflows, allowing individuals to focus on innovation, reinstating humans to the forefront of manufacturing.”

3DxSUITE EX10 Key Enhancements

Expanded PMI Handling Capabilities

Semantic PMI is crucial for enabling model-based processes in product development. The objective of 3DxSUITE is to faithfully translate semantic PMI, preserving its structure as created in the target CAD. This ensures that PMI can be accurately handled in the target CAD system. In EX10, 3DxSUITE has enhanced support for a broader range of semantic information.

Furthermore, the PMI Checker Prototype is now available, offering capabilities to prevent the publication of incomplete PMI through comprehensive verification. Additionally, graphic PMI export to Creo Parametric has been released.

HTML Exporter for Technical Data Package (TDP)

In addition to the existing Validation Report support, 3DxSUITE EX10 introduces an HTML Exporter for generating TDP in HTML format. This means TDP can now be created and published in HTML, offering an alternative to the 3DPDF format previously supported.

Enhanced STEP and QIF Adapters

3DxSUITE EX10 strengthens its support for industry-standard formats. The STEP adapter now supports STEP AP242 ed3, facilitating seamless data exchange between CAD systems. Additionally, the QIF adapters have been enhanced to support Assembly Structure and PMI in QIF 2.1 and 3.0, aligning with CAD quality measurement standards.

Added Kinematics Translation

In 3DxSUITE EX10, we've introduced the Kinematics Translation capability, a significant enhancement that enriches the overall translation capabilities. This feature allows for a detailed description of the motion of mechanical systems, providing a comprehensive understanding of kinematics.

Updated Validation and Verification

3DxSUITE EX10 introduces the "Drawing Validator" to detect deviations in 2D drawings and numerous enhancements to the CAD Validator for identifying deviations in 3D models. Notably, the CAD Validator now includes a function to align geometry orientation before validation, ensuring accurate detection of deviations even when model orientations differ. This automated process streamlines the identification of changes and deviations in large-scale models, supporting automated regression and engineering change detection.

Vastly Improved Throughput for Massive Data Sets

The release of Component-level Incremental Processing, presented as a Proto-Type, allows for the reuse of previously processed components. This innovation significantly improves throughput for massive data sets by processing only the updated components, optimizing efficiency and reducing processing time.

Renewed TransServer for Enhanced Security

Recognizing the growing importance of system security, we have renewed the infrastructure of TransServer and WorkerNode in 3DxSUITE EX10. This update ensures a more secure environment, addressing vulnerabilities to safeguard your valuable data.

EON Reality Debuts EON AI Health Assistant: Pioneering Healthy Transformation Inspired by Blueprint Principles

4 January 2024

In the quest for helping individuals lead a healthier and more balanced life, EON Reality is excited to announce the launch of the EON AI Health Assistant. Drawing inspiration from Bryan Johnson's "Blueprint Plan for Getting Healthy in 2024," this AI-powered virtual assistant is the latest innovation aimed at transforming personal health and well-being.

The EON AI Health Assistant bridges the gap between ambitious health goals and their attainment by providing personalized, motivational, and user-friendly guidance.

The EON AI Health Assistant introduces its users to a smarter way of achieving health objectives:

- **Customized Wellness Strategies:** Delivers actionable advice, crafted in accordance with one's health aspirations and the tenets of the Blueprint Plan.
- **Holistic Health Approach:** Emphasizes nutrition, exercise, and mental wellness, offering tailored tips to advance users' overall health.
- **Adaptive Planning:** Accommodates various lifestyles with flexible diet and exercise recommendations.

Drawing strength from the insightful principles of Bryan Johnson's Blueprint Plan, EON AI Health Assistant provides:

- **Structured Weight Loss Plans:** Crafts meticulous strategies for users aiming to shed pounds in a healthy, sustainable way.
- **Daily Routine Formation:** Offers detailed daily schedules infused with balanced meals, physical activities, and wellness activities.
- **Meal Planning Excellence:** Suggests comprehensive weekly Mediterranean diet meal plans, catering to specific preferences and fasting methodologies.

EON Reality understands that each person's health journey is unique. The EON AI Health Assistant is designed to respect individual tastes, preferences, and lifestyles while offering expert support every step of the way. Users can rely on the assistant not just for planning and guidance but also for daily encouragement and adjustments based on personal feedback.

EON Reality Launches EON AI Career Guide Assistant: Mapping Your Path to Professional Fulfillment

4 January 2024

With a vision to enhance career development through advanced technology, EON Reality proudly announces the introduction of the EON AI Career Guide Assistant. Engineered to assist job seekers in aligning their skills and aspirations with their ideal job, this tool is an innovative step in career navigation and professional growth.

The EON AI Career Guide Assistant is a sophisticated AI-driven platform designed to offer customized career planning and job search strategies, ensuring users can confidently approach the competitive job market.

With the EON AI Career Guide Assistant, users gain access to unparalleled support:

- **Individualized Career Roadmaps:** Users receive expert advice tailored to their unique skillset, educational history, and employment desires.
- **Specialized Assistance Across Sectors:** Whether it's a skill gap analysis, insights into booming industries, or help with resume and interview preparations, the AI assists users at every step.
- **Job Matching Precision:** By analyzing CVs and preferences, the Career Guide Assistant connects users with the most suitable job listings and companies across various platforms such as LinkedIn.

The EON AI Career Guide Assistant has been uniquely calibrated to:

- **Target Ideal Industries and Locations:** For instance, fitting aerospace CAD engineering design roles within Texas for those with specific sectoral expertise and geographic preferences.
- **Skill-to-Job Alignment:** Carefully rates and presents job matches while ensuring only the most suitable opportunities are recommended.

Featuring a comprehensive skill assessment, industry insights, and personalized resume-building tools, the EON AI Career Guide Assistant is the ultimate resource for professionals looking to make their next calculated career move. With its powerful AI, it serves as a cleaver through the job market jungle, carving out clear and attainable career paths.

LTIMindtree launches Hybrid Cloud Management Platform; Canvas CloudXperienz

9 January 2024

LTIMindtree, a global technology consulting and digital solutions company, announced the launch of its SaaS based hybrid cloud management platform Canvas CloudXperienz. The platform, powered by Artificial Intelligence for IT Operations (AIOps), helps enterprises explore the full potential of digital transformation initiatives across their cloud management spectrum and redefine the way businesses manage and optimize their hybrid cloud infrastructure and applications; while providing unparalleled efficiency, security, and scalability.

Cloud-based platforms serve as the backbone of Digital Transformation leading to service integrators increasingly adopting them to improve user experience, business observability and time to market.

“In an era where technology is a driving force for change, LTIMindtree’s Canvas CloudXperienz stands as a testament to our ability to adapt, evolve, and lead. Its groundbreaking features and capabilities will undoubtedly set new industry standards and redefine the way our customers experience innovation,” said Nachiket Deshpande, COO and Whole-time Director, LTIMindtree.

The LTIMindtree Canvas CloudXperienz platform provides a 360-degree observability of the business and IT environment which helps users measure the performance trends, peak and off-peak business requirements, benchmark enterprise applications, infrastructure, and cloud resources optimally. This leads to increased efficiency with 40-70% automation of services and freeing up their employees' time for other strategic tasks.

Canvas CloudXperienz, an ISO 270001 certified platform, has a holistic business centric approach to manage the traditional on-premise infrastructure and applications as well as the cloud based workloads and applications. It aims to increase productivity by up to 75% and provide a plug and play option to the existing tools with select modules to achieve greater flexibility. The platform also provides simplified and enriched user experience, enables quicker cloud adoption, generate actionable insights for business operations and provide complete visibility and control of the cloud costs by finding significant resource optimization opportunities.

Financial Operations (FinOps) is an integral feature of the Canvas CloudXperienz platform and by integrating with LTIMindtree Infinity, it brings in seamless correlation of cloud performance and contracts data to optimize cloud spending and drive business value. The FinOps solutions is designed to provide cost visibility analysis, spend analytics, resource allocation and optimization recommendations, chargeback recommendations and help customers plan for major transformation and modernization initiatives and manage and optimize their cloud costs effectively.

The hybrid cloud management platform, Canvas CloudXperienz, has been built by LTIMindtree with contributions from key partners ScienceLogic, ServiceNow, and Delinea. With the Canvas CloudXperienz platform, LTIMindtree aims to improve the business outcomes and agility of the customers and empower them in making more environmentally conscious choices.

pSeven Enterprise v2024.01 Release

9 January 2024

pSeven development team announces the release of pSeven Enterprise v2024.01, a new version of a low-code cloud-native collaborative platform for building, deploying and operating different models and processes at scale. This is a bugfix release that contains many changes, the most important of which are below.

Updates

- You can track the study progress in the Design space exploration (beta) block: while running, the block writes the evaluation history and intermediate results to the History.csv and Designs.csv. Points in Designs.csv are classified; this classification is written in CSV with words (for reading) and numerical labels (for post-processing - for example, plotting). History.csv records the exact history of computation requests - this data is more useful when debugging complex computation schemes where many blackboxes are connected to DSE.

- Added the support for input and output files located in subfolders of the block's working directory - you can specify input and output file paths relative to the working directory root. The names of ports that specify the input and output files were changed to Input file path and Output file path accordingly.

File path ports in the Text block

- New notification about updating blocks has been added. If there are blocks that can be updated in your opened calculation scheme, the Block Library button on the toolbar changes its view.

Updates available (left); all blocks up to date (right)

- In embedded Python, NumPy has been updated from version 1.22.3 to version 1.26.2. Note that you should check your scripts in Python script blocks and in-house developed blocks for compatibility with NumPy 1.26.2, and update the blocks in all your calculation schemes.

Deployment and administration

- Improved stability of the experimental mode where blocks run natively on Kubernetes (sizing.runOnKubernetes) for the common case when users do not set resource limits for their blocks.
- Fixed an issue where a user workflow run could stop responding if a block in that run crashed while reading its input data.

Bugfixes

- Fixed an issue with initial samples in Design space exploration block, where the block assumed that the sample columns always follow a fixed order - variables, objectives, constraints - and thus disregarded the order of responses specified in its configuration.
- Fixed an issue where rapid edits in a workflow - for example, massively adding ports to a Composite or fast switching between blocks to configure them - could damage the workflow so you could no longer edit or re-open it.

pSeven Enterprise v2024.01 also includes other changes and bugfixes — please check the release changelog for a full list. You can also contact us to get more information and pSeven Enterprise updates.

Release Announcement of CADfeature 18.0 M2

10 January 2024

Elysium has released CADfeature 18.0 M2.

Key Enhancement

Support New CAD Version

CAD	Versions added in 18.0 M2	Supported Versions
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NX	2312 Series	1872 Series – 2312 Series
Inventor	2024	2019 – 2024
Solid Edge	2024	2019 – 2024
SOLIDWORKS	2024	2018 – 2024

Siemens and AWS join forces to democratize generative AI in software development

8 January 2024

Siemens and Amazon Web Services (AWS) are strengthening their partnership and making it easier for businesses of all sizes and industries to build and scale generative artificial intelligence (AI) applications. Domain experts in fields such as engineering and manufacturing, as well as logistics, insurance or banking will be able to create new and upgrade existing applications with the most advanced generative AI technology. To make this possible, Siemens is integrating Amazon Bedrock - a service that offers a choice of high-performing foundation models from leading AI companies via a single API, along with security, privacy, and responsible AI capabilities - with Mendix, the leading low-code platform that is part of the Siemens Xcelerator portfolio.

“By integrating Amazon Bedrock into our low-code platform, we are democratizing generative AI technology and empowering everyone to create the applications customers need to become more competitive, resilient, and sustainable,” said Roland Busch, CEO of Siemens. “Making smarter applications without programming expertise accelerates innovation and helps companies to tackle skilled labor shortages.”

“Together, AWS and Siemens are empowering companies worldwide to create new capabilities, solutions, and value with generative AI,” said Adam Selipsky, AWS CEO. “This partnership builds on our 10-year relationship with Siemens, giving customers across all industries the flexible, customizable, secure environment they need to take advantage of new opportunities with generative AI.”

The combination will enable customers to select the generative AI model that best suits their specific use case and quickly and securely incorporate that model into their applications. This will make their development simpler, faster, and more efficient. Previously, when developers wanted to integrate generative AI models, they had to obtain access credentials, and write specialized function code. With the new Mendix-Amazon Bedrock integration, this can now be done with just a few clicks. Teams can create smart, industry-hardened applications without dedicated programming knowledge and users can interact with information easily via a graphical interface and the simplicity of a drag and drop commands.

This innovation allows Mendix customers to apply generative AI to drive productivity within their workforce. For instance, using generative AI, a factory worker can find machine documentation faster, generating relevant visualizations without a need to manually search a

database, manuals, and records. A production engineer could also use generative AI to suggest machine adjustments to improve yield, and get suggestions on equipment adjustments, maintenance, or even spare parts to maximize a factory's productivity. Customers do not need to build their own AI infrastructure and will be able to harness the power of their company's data with the highest possible security and privacy, maintaining full control of their data.

Generative AI technology can supercharge applications with features like summarizing and analyzing lengthy technical or legal documents, translating content into different languages, or recognizing images. Financial businesses can integrate automatic fraud detection in their software, while workers in a car factory can improve quality based on AI analysis of millions of data points in the manufacturing line. With access to a choice of foundational models on Amazon Bedrock, users can easily select the best model for their specific task and integrate it with just a few clicks.

The collaboration expands on the long-established partnership between AWS and Siemens to help streamline the use of IT and cloud technology so it can be easily integrated in applications and machine workflows, making it seamless to engage with.

Today, more than 50 million end users worldwide work with more than 200,000 applications built with Mendix's low-code platform, available as part of the Siemens Xcelerator portfolio. Low-code platforms are expected to grow substantially over the next years. The technology enables developers to create applications by drag and drop with reusable components and software building blocks, which means they can build more software faster and with smaller teams.

Amazon Bedrock is a fully managed service that offers easy access to a choice of industry-leading large language models and other foundation models from AI21 Labs, Amazon, Anthropic, Cohere, Meta, and Stability AI, along with a broad set of capabilities that customers need to build generative AI applications—simplifying development while supporting privacy and security. Users can also apply Guardrails to filter undesired content, adhere to responsible AI policies, or finetune their models using Knowledge Bases for Amazon Bedrock to give contextual information from private data sources and more relevant, accurate, and customized responses. The Mendix-Amazon Bedrock integration complements AWS's other generative AI services, like Amazon CodeWhisperer, a machine learning (ML)-powered service that helps improve developer productivity by generating code recommendations based on developers' comments in natural language and their code. Together, the services extend the benefits of generative AI to developers and enterprise users regardless of their programming abilities.

The new PLUGIN 3Dfindit - Integrate and benefit immediately

10 January 2024

To kick off the new year 2024, CADENAS is simplifying access to the 3Dfindit parts library

A new year often brings new challenges - both personal and professional. 3Dfindit makes your daily work easier with the new PLUGIN 3Dfindit. The successor of PARTS4CAD offers improved performance and many new features. PLUGIN 3Dfindit makes it possible to create files directly

in the CAD system, so that they are not only native and always up-to-date, but also eliminate the time-consuming search for parts on the internet.

Available for a wide range of CAD systems

The new plugin can be easily integrated into various CAD systems. After installation it can be found in the toolbar.

The following CAD systems are supported:

- ALLPLAN
- Archicad
- AutoCAD
- BricsCAD
- Creo Direct
- Creo Parametric
- Inventor
- Revit
- Solid Edge
- SOLIDWORKS
- Tekla
- Vectorworks

Easy integration in just a few steps

The new plugin is very easy to use. Only a few steps are required to load the parts library into the desired CAD system:

- Download PLUGIN3Dfindit free of charge
- Optional: Uninstall the old PARTS4CAD plugin
- Install the new plugin and select a CAD system
- Benefit from the advantages: Work more productively with the new PLUGIN 3Dfindit

ENTERPRISE 3Dfindit is required for users with a PLM system.