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CIMdata News

Aerospace & Defense PLM Action Group Announces the Release of an AD PAG Insight on SysML 2.0

10 July 2024

The [Aerospace & Defense PLM Action Group](#) (AD PAG) announces the publication of a new **AD PAG Insight** that presents the members' position on the soon-to-be-released SysML 2.0 standard.

SysML 2.0, a long-anticipated major expansion of the current systems modeling language standard, represents a significant advancement in systems architecture representation, supporting model-based systems engineering (MBSE) collaboration. For industry to benefit, this new standard must be supported within enterprise software solutions such as PLM platform solutions and simulation and analysis software tools.

However, industry consensus on implementation priorities is essential for these benefits to be fully realized. Without this consensus, software providers might pursue disjointed and incompatible paths, potentially delaying or fragmenting the adoption and incorporation of SysML 2.0. Addressing this concern, the AD PAG has taken proactive steps by chartering an ad hoc team of domain experts from within its member companies to draft a statement that encapsulates the members' positions regarding this soon-to-be-released standard.

The desired outcomes are to facilitate the movement of the A&D industry towards a unified stance on SysML 2.0 implementation priorities and to secure a meaningful indication of commitment from the software provider community to support the AD PAG's position.

To learn more about the standard, those interested may download this **AD PAG Insight** at <https://www.cimdata.com/en/aerospace-and-defense/publications/mbse>

About the Aerospace & Defense PLM Action Group

Since its founding in 2014, the AD PAG, administered by CIMdata, has sponsored research and jointly staffed projects on a diverse set of prioritized PLM-related industry and technology topics. These topics include Model-Based Definition, Multiple-View Bill of Materials, PLM Technology Obsolescence Management, Global Collaboration, Model-Based Systems Engineering, and Digital Twin/Digital Thread. As an outcome of these investments, the AD PAG has released a series of direction statements, research reports, position papers, and most recently, AD PAG Insights. All are freely available for downloading from its website at <http://www.ad-pag.com/>. Making these materials available is consistent with the Group's mission to engage proactively within the PLM ecosystem and advocate for common direction and positions within the aerospace and defense industry on PLM-related topics of importance to the members.

For more information about the AD PAG, please contact CIMdata at info@cimdata.com.

From the Experience Economy to the Generative Economy - Dassault Systèmes 2024 Analyst Day – a CIMdata Commentary

8 July 2024

Key Takeaways

- Dassault Systèmes shared its vision driving the next 20 years. In this vision, the combination of Multiple Virtual Twins with Generative Knowledge and Know-How, constrained by sustainability requirements and deployed on the cloud, will drive what the company defined as the Generative Economy.
- With 2024, the company enters its new five-year strategic plan with solid growth expectations. Dassault Systèmes expects to drive a 10% CAGR from 2023 to 2028, moving revenues from €6bn in 2023 to €9.5bn in 2028 (+58%). Dassault Systèmes believes there is significant room to grow as it estimates the potential of its addressable markets to grow from \$100bn today to \$1tn in 2040.
- Dassault Systèmes plans to drive this growth by acting as a game changer in three strategic segments: Manufacturing Industries, Life Sciences & Healthcare, and Infrastructure & Cities.

CIMdata attended Dassault Systèmes' 2024 Global Industry Analyst Days on May 29th and 30th. This two-day event was held at Dassault Systèmes' headquarters located in Velizy, France, during which Dassault Systèmes' management and key technical leaders shared their long-term vision about the future of the industries it serves to a number of leading PLM industry consultants and analysts.[\[1\]](#)

The Generative Economy

Mr. Pascal Daloz, Dassault Systèmes' new CEO, kicked off the event by describing the company's vision for what it calls the Generative Economy. In this economy, scientific models and reality converge on intelligent cloud platforms into objects that provide a holistic means to drive innovation. Furthermore, the Generative Economy is an economy in which companies leverage connected virtual twins, real world data and learning from reality, generative technologies, and cloud-based operations to reinvent what they do and how they do it. Following Mr. Daloz, Ms. Elisa Prisner, Executive Vice President in charge of Corporate Strategy further detailed the concept.

As described by Dassault Systèmes, the Generative Economy is the result of the convergence of four distinct forces:

- *The connection of multiple science-based virtual twins.* These connected Virtual Twins enable product innovation, production and maintenance modeling, and end-of-life management. They are expected to enable companies to explore a wide range of possibilities for their product offerings and activities.
- *The connection of these virtual twins with the real world.* Nurturing Virtual Twins with learning from the real world (i.e., know-how) and with real data collected from a vast

variety of sources (i.e., knowledge), which will create what Dassault Systèmes calls “universes” in which knowledge and know-how are added to science-based models to provide a more holistic and sustainable approach to product innovation.

- *Sustainability constraints.* Climate change constraints, energy costs, natural resources scarcity, and biodiversity are circular economy requirements that are new limitations that companies must consider in their innovation cycle to cope with market expectations.
- *The growing adoption of cloud technologies and Software-as-a-Service.* These are expected to facilitate the distribution and the adoption of universes by Dassault Systèmes clients.

Dassault Systèmes illustrated this vision with the example of mobility services, which require the connection of several virtual twins (e.g., car, city, infrastructure, and drivers), nurtured with real-time information from the real-world environment and constrained by sustainability requirements. For example, virtual twins and real-time information could be used to optimize the ride, considering the driver’s agenda, real-time traffic conditions in the city and outside the city, if relevant, and real-time gasoline needs as reported by the car, and gas station availability along the way.

To ensure a holistic approach, Dassault Systèmes is extending the scope of its solutions in these universes to include end users, consumers, patients, or citizens of its customers to integrate appropriate and relevant usages in the framework.

Mr. Daloz insisted strongly on the sovereignty constraints that have recently emerged as critical components of sustainable operations. According to Dassault Systèmes, data must be protected by cyber security inside a certain territory to be safe and valid. In this perspective, Dassault Systèmes claims that it can provide sovereign data services anywhere and everywhere, no matter where its customers are located. Dassault Systèmes has also heavily invested in core technologies in support of their vision (including AI and platform enablement), to minimize the dependency of core technologies on external and geopolitical factors. Dassault Systèmes considers these investments as critical as they enable the company to serve different industries in different places of the world without the constraints of geopolitics. With this strategy, Dassault Systèmes seeks to remain independent from key or critical technologies that could be impacted by political decisions and will therefore not depend on external factors outside of their control.

This vision is reshaping the entire foundation of what Dassault Systèmes does, which is no longer focusing on their Product Innovation Platform, but rather on the connection of several virtual twins nurtured with real world data and learnings, called Universes. Mr. Daloz noted that Dassault Systèmes has moved from focusing on things to focusing on life and how to enrich it. Of course, all of this requires their **3DEXPERIENCE** platform for enablement. Dassault Systèmes believes that making this holistic approach a reality will allow societies to generate the innovations that will address the challenges of the future, and it has defined this approach as its strategic framework for the next 20 years.

In total, Dassault Systèmes enters its new five-year strategic plan (2024-2029) by initiating a move from being an enabler of the Experience Economy, introduced in 2012, to being an enabler of a new “Generative Economy.”

Acting as a Game Changer in Key Industries

Dassault Systèmes reported that in 2023 they added 30,000 new customers and have 350,000 customers in total.

Ms. Florence Verzelen, Dassault Systèmes Executive Vice President in charge of Industries, Marketing and Sustainable Development, explained that for their new five-year plan Dassault Systèmes defined manufacturing industries, life sciences and healthcare, and infrastructure and cities as the key industries in which it wants to act as a game changer. Globally, the company is combining more than 800 Industry Process Experiences in 132 solutions called Industry Solution Experiences.

Over the past two years, Dassault Systèmes has evolved its portfolio to cope with the world’s changes, characterized by supply chains disruptions due to COVID or geopolitical crises, the increased importance of sustainable products for consumers and investors, the impact of increased energy prices, and the disruptions brought by Artificial Intelligence. In particular, Dassault Systèmes has addressed its customer needs to be net zero CO₂ by helping them in their sustainable transformation journey with the creation of a sustainable portfolio. This is particularly important because companies are more sensitive to Environmental, Social, and Governance (ESG) criteria, while customers pay increased attention to the environmental aspects of the economy, and investors want to ensure that the companies in which they invest are ready to cope with environmental political constraints.

Manufacturing Industries

In the manufacturing sector, Dassault Systèmes claims significant win-backs in 2023 and highlights its dominance. For example, 85% of the existing electric vehicles on Earth were designed and/or manufactured using its solutions. The company will focus its efforts on the aerospace and defense, transportation and mobility, and high-tech industries, with a specific emphasis on the software-defined vehicle experiences segment and semiconductor industry, where it sees important and sizable opportunities.

Dassault Systèmes invited on stage the ASICS Institute of Sport Science, which is partnering with Dassault Systèmes to design, test, and manufacture personalized athletic shoes, combining biometrics, simulation, and 3D printing solutions. Dassault Systèmes’ solutions enable ASICS to design shoes that are personalized to the athlete’s foot and sporting needs, where the digital twin of the shoe matches the digital twin of the foot. The virtual product is then simulated in various contexts and the product is improved until the simulation provides satisfactory results. The virtual product is then 3D-printed and shipped. With Dassault Systèmes’ solutions, ASICS can provide athletes with personalized shoes that match their individual biometrics particularities.

Life Sciences and Healthcare

In Life Sciences and Healthcare, Dassault Systèmes already supports creating and/or manufacturing of 70% of new drugs approved by the U.S. Food and Drug Administration (FDA). In this industry, Dassault Systèmes describes universes as the combination of Patient, Product, Processes, and Factory Virtual Twins. Dassault Systèmes highlighted innovative offerings based on testing medical solutions on a virtual population gathering digital twins of real patients, simulating new molecules and support for personalized medicine, and manufacturing process simulation and its impact on manufacturing lines. The Sanofi use case was presented where modular manufacturing has been enabled by Dassault Systèmes solutions. This implementation is improving the flexibility and the agility of Sanofi's manufacturing process.

Infrastructure and Cities

In the Infrastructure and Cities segment, Dassault Systèmes recognizes that it is not a current leader. It nevertheless declared this industry as one of the three key industries in which it believes it can act as a game changer. The company will focus on Wind Energy, Solar Energy, and Nuclear Energy. They are placing a particular focus on nuclear Small and Medium Reactors (SMRs) where a partnership with Assystem will help accelerate the development of Advanced Modular Reactors. In this case, one of the goals is to accelerate the go-to-market of SMRs by executing all the compliance tests on the **3DEXPERIENCE** platform.

In each of these three key industries, Dassault Systèmes wants to bring disruptive solutions to accelerate the innovation cycle of its customers—increasing customers' speed to market and improving overall capabilities to deliver the right product at the right moment.

Virtual Twin as a Service

According to Dassault Systèmes, customers understand that the Universe concept is a foundational element of their transformation. However, not all of them are able to afford the necessary upfront investments. This has led Dassault Systèmes to introduce a new Virtual-Twin-as-a-Service offering. In this model, Dassault Systèmes builds and maintains the universes needed by its customer, which the customer can use and exploit by paying a subscription fee, hence avoiding the capital expenditures normally required. With Virtual-Twins-as-a-Service, customers can access and benefit from Virtual Twin technologies without having to hire and maintain specialized technology teams and without making large capital investments.

Go-To-Market

Mr. Daloz explained that it is not selling only software, on-premises or as-a-service. Dassault Systèmes explains that it is also incorporating into its offering all its accumulated knowledge in its Industry Solution Experiences and its Industry Process Experiences. This, along with the growing adoption of cloud solutions, has serious implications on Dassault Systèmes' Go-To-Market, since it doesn't only sell the ownership of products, but subscriptions to Industry Solutions. This requires a new way to address the markets it serves.

In addition, driving such a vision and strategy on 10- to 12-geographies, with 10- to 12-brands across 10- to 12-industries with direct sales forces and more than 17,000 partners worldwide remains a significant challenge. This is made even more complex due to their 63 industry sub-segments and their total of 132 Industry Solution Experiences and 827 Industry Process

Experiences that need to be pushed. The Dassault Systèmes sales organization considers multiple dimensions (geographies, brands, and industries) with standard direct and indirect routes to market. It is also emphasizing the deployment of a solution selling approach, delivered either on-premises or as a service. This is clearly a very complex Go-To-Market model.

Dassault Systèmes is also engaging in consultative selling, leveraging an internal strategy consulting organization (named Value Engagement). These consultants, who engage with clients, seek to understand a client's strategic needs, and position the appropriate Dassault Systèmes' solutions. Value Engagement consultants assess the business value provided by the relevant Dassault Systèmes solutions and also seek to measure realizing the promises made all along the lifecycle of a transformation program. The Value Engagement teams use the 3DEXPERIENCE platform as a single source of truth to define, plan, measure, and report for each transformation program a set of Key Value Indicators (KVIs) and Key Performance Indicators (KPIs), which provide customers with a real-time assessment of the value realized by the transformation programs they have embarked on. This provides customers with a modern way to manage and govern their transformation programs, in which data, reports, results, and necessary escalations can be accessed in real-time to improve governance and decision-making processes.

Dassault Systèmes understands its indirect channel will need to transform to adapt to its new vision and cope with the changes that cloud offerings demand. The ubiquity of cloud solutions reduces the geographical advantage that resellers leveraged in the past and requires them to specialize by industry and/or domain, which in turn serves Dassault Systèmes strategy to deliver transformative solutions for industries instead of products. This process is taking time as partners need to transform their business model and skills. Finally, Dassault Systèmes is supporting its partners in their transformation by granting them access to a system of learning experiences (Industry Learning Experiences and Brand Learning Experiences), and by customizing its Value Engagement Process for them. This helps partners adopt a more strategic approach in their sales efforts, in which value selling methodologies help position the business value of Dassault Systèmes solutions rather than their technology features.

Mr. Daloz further explained to the audience that 65% of its large engagements leverage business consultants and system integrators and its target is to move this to 90% in the future. Consultants and system integrators will be critical to provide the capacity to upgrade their large customer base to their new offerings but, given the nature of their offering (accumulated industry knowledge in the solutions and SaaS delivery), the relationship between Dassault Systèmes and its consultants and system integrators ecosystem will have to evolve. First, Dassault Systèmes will need to transfer knowledge to its customers not only through its solutions, but also through its services. According to Dassault Systèmes, the vast majority of presales activities on large deals have already evolved from showcases and demonstrations to industry consulting services, where process redesign, roles and skills adjustments, and change management programs are framed. Second, cloud solutions require less traditional system integration and custom development, and their share of total sales is expected to grow significantly. As a result, in the future Dassault Systèmes expects its relationship with consultants and system integrators to focus more on consulting activities (e.g., process,

organization, change management, and program and project management) rather than on traditional system integration activities. This will help customers adopt industry best practices and reap the economic value locked-in by Dassault Systèmes solutions rather than on low value specific requirements, leveraging out-of-the-box (OOTB) solutions for faster and cheaper deployments, industry best practices benefits, and simpler maintenance and upgrades.

Financials

Mr. Rouven Bergmann, Dassault Systèmes' CFO, reported that Dassault Systèmes has demonstrated solid growth (+10.7% CAGR 2010-2023) over the last few years. It increased its operating margin to 32.4% in 2023, while expanding from M&A, increasing its headcount from 9,000 employees in 2010 to 25,600 in 2023, and transitioning to a cloud model. This last point is worth noting as the vast majority of software providers suffer when moving from a traditional perpetual license model to a subscription model.

Dassault Systèmes enters its new five-year strategic plan (2024-2029) with solid growth expectations as it plans to drive a 10% CAGR from 2023 to 2028, from €6bn in 2023 to €9.5bn in 2028 (+58%). Over this period, its Earning Per Share is expected to double, replicating the performance observed from 2018 to 2023. Dassault Systèmes believes that there is significant room to grow as it estimates the potential of its addressed markets to grow from \$100bn today to \$1tn in 2040.

Conclusion

This CIMdata Commentary covers but a sample of the topics, industries, and solutions presented in the 30+ sessions held during the two-day event. Dassault Systèmes is a PLM market leader but sees its historical PLM business as just one part of their enterprise going forward. Manufacturing industries, life sciences and infrastructure/smart cities will provide engines of future growth, some of which are greenfield opportunities, particularly in comparison to discrete PLM.

The company has defined a new vision, emphasizing its contribution to a Generative Economy, that will drive its strategy and operations for the next 20 years.

Based on the sessions at their Analyst Days, Dassault Systèmes' vision necessitated substantial investments in AI and cloud solutions, and the organization continues to build out its Industry Solution Experiences (ISEs) in their industry segments and, as stated at the meeting, have brought data science to bear across their portfolio. Since 2012, their strategy has diverged from their two main competitors, Siemens Digital Industries Software and PTC. Over the last decade each company made investments that made this divergence more pronounced. Dassault Systèmes has made some wise large investments, like those in Centric Software and Medidata, that have given them leadership positions in their target markets. The move to Virtual Twins as a Service is another major change, one without precedent in the PLM market space. The company has work to do to build out these experiences and learn how to best monetize them for the benefit of their customers and Dassault Systèmes. CIMdata looks forward to the next Analyst Days for an update.

[1] Research for this commentary was partially supported by Dassault Systèmes.

Unlock Your PLM Potential: CIMdata's PLM Certificate Program Returns to Ann Arbor, MI

9 July 2024

CIMdata, Inc., the leading global strategic consulting and research firm focused on PLM (Product Lifecycle Management) and its digital transformation, announces the offering of its industry-standard PLM Certificate Program in Ann Arbor, MI, USA, from October 14-18, 2024.

This unique program equips PLM professionals with the knowledge and skills needed to tackle the common challenges of PLM strategy formulation and execution. This assessment-based program delivers a personalized classroom experience, individual and team-based exercises, and comprehensive achievement evaluations. CIMdata experts with decades of hands-on expertise guide participants through the program collaboratively. Participants will receive a Certificate of PLM Leadership upon completing the program and assessments.

What sets CIMdata education offerings apart?

With over four decades of industry leadership, CIMdata has a proven track record guiding industrial companies in defining and implementing best-in-class PLM strategies and tactics. Whether you are embarking on a new PLM journey or already in the process of implementing PLM, this program caters to all levels of expertise.

Cheryl Peck, CIMdata's Chief Marketing Officer, emphasizes the persistent demand for PLM education, stating, "The complexity and urgency of transformation projects are escalating, underscoring the necessity for education that addresses critical success factors. In 2023, we witnessed a robust return to in-person education, highlighting the importance of networking between our faculty and attendees. This trend has continued into 2024." She adds, "CIMdata is uniquely placed to understand the requirements of PLM professionals and to provide the comprehensive training they need to succeed."

In addition to the 5-day Standard PLM Certificate program, CIMdata offers a one-day Executive Short Course, a two-day PLM Fundamentals for Solution Providers Short Course, and a three-day Core PLM Certificate program.

For detailed information on CIMdata's Leadership Programs, including the various PLM Certificate Programs and short courses available, visit our website at <https://www.cimdata.com/en/education/plm-certificate-program>

Acquisitions

Accenture Acquires Cienra to Expand Silicon Design Capabilities

10 July 2024

Accenture has acquired Cienra, a silicon design and engineering services company, offering custom silicon solutions for global clients. The terms of the acquisition were not disclosed.

Founded in 2015, Cientra is headquartered in New Jersey, U.S. and has offices in Frankfurt, Germany as well as in Bangalore, Hyderabad and New Delhi, India. The company brings consulting expertise in embedded IoT and application-specific integrated circuit design and verification capabilities, which augments Accenture's silicon design experience and further enhances its ability to help clients accelerate semiconductor innovation required to support growing data computing needs.

"Everything from data center expansion to cloud computing, wireless technologies, edge computing and the proliferation of AI, are driving demand for next-generation silicon products," said Karthik Narain, group chief executive—Technology at Accenture. "Our acquisition of Cientra is our latest move to expand our silicon design and engineering capabilities and it underscores our commitment to helping our clients maximize value and reinvent themselves in this space."

Cientra has deep experience in engineering, development and testing across hardware, software and networks, in the automotive, telecommunications and high-tech industries. The company brings approximately 530 experienced engineers and practitioners to Accenture's Advanced Technology Centers in India.

"Since inception, Cientra has been dedicated to building top talent and fostering continuous innovation, developing product solutions that drive value for our clients," said Anil Kempanna, CEO, Cientra. "Joining Accenture provides exciting opportunities to expand globally and scale our capabilities to create new avenues of growth for our clients as well as our people."

This acquisition follows the addition of Excelmax Technologies, a Bangalore, India-based semiconductor design services provider, earlier this week, and XtremeEDA, an Ottawa, Canada-based silicon design services company, in 2022.

Accenture Acquires Excelmax Technologies to Expand Silicon Design and Engineering Capabilities

8 July 2024

Accenture has acquired Excelmax Technologies, a Bangalore, India-based semiconductor design services provider. The acquisition further enhances Accenture's growing silicon design and engineering capabilities. Terms of the transaction were not disclosed.

Excelmax provides custom silicon solutions used in consumer devices, data centers, artificial intelligence (AI) and computational platforms that enable edge AI deployments, to clients in the automotive, telecommunications and high-tech industries.

The semiconductor market is experiencing a surge in demand for silicon design engineering, driven by the proliferation of data centers and the increasing use of AI and edge computing. This is further propelled by the growing consumer appetite for electronics, which is driving new investments in the chip design space.

"With the rapid evolution of new technologies like generative AI and the growth of connected products, more intricate, specialized chips with enhanced performance and efficiency are required," said Karthik Narain, group chief executive—Technology at Accenture. "Our

acquisition of Excelmax enhances our expertise across every aspect of silicon design and development—from concept to production—so we can help our clients fuel innovation and drive growth.”

Founded in 2019, Excelmax brings comprehensive semiconductor solutions from high level design to detailed physical layout ready for manufacturing, and full turnkey execution. The company adds approximately 450 professionals to Accenture in key areas such as emulation, automotive, physical design, analog, logic design and verification, expanding Accenture’s ability to help global clients accelerate edge computing innovation.

“Our focus has always been on developing the best talent to deliver tailor-made solutions for our global clients that help them build and maintain competitive advantage,” said Shekhar Patil, founder & CEO, Excelmax Technologies. “Joining Accenture enables us to remain at the forefront of innovation, providing new and exciting opportunities for both our clients and our people.”

This acquisition follows the addition of XtremeEDA, an Ottawa, Canada-based silicon design services company, in 2022.

Accenture Acquires True North Solutions to Help Clients Produce Energy More Safely and Efficiently

9 July 2024

Accenture has acquired True North Solutions, a provider of industrial engineering solutions headquartered in Calgary, Alberta, to help clients produce and transport energy more safely and efficiently.

True North Solutions expands Accenture’s expertise in operational technology (OT) for clients in the oil and gas and mining industries. OT is the hardware and software systems with which companies run and control physical equipment and facilities, such as pipelines, refineries, plants and mines. Accenture will help clients better connect their OT to their enterprise IT systems, for example, to optimize the output and safety of existing equipment and facilities through real-time data analytics. Accenture will also work with the True North Solutions team to engineer and commission new field operations and facilities where OT and IT are seamlessly integrated and processes are digitized from the start.

“True North Solutions brings boots-on-the-ground understanding of how to design, build and commission our clients’ critical assets and infrastructure,” said Adam Foster, Accenture Canada’s Energy Portfolio leader. “We are combining True North Solutions’ unique expertise with our advanced digital capabilities, such as digital thread, predictive maintenance and intelligent asset management, to improve the performance and safety of our clients’ field operations.”

David Morgenstern, president of Accenture in Canada, said: “In welcoming True North Solutions to our Industry X and Resources team at Accenture, we will help our clients benefit from transformative technologies such as generative and predictive AI through digitally enabled field operations. Smart operations means greater productivity and predictability, helping clients

operate with increased efficiency and safety, and we're pleased to be advancing these capabilities in the industry and in Canada."

Blair Hanel, CEO of True North Solutions, commented: "By joining Accenture, we're giving our clients in North America access to Accenture's digital leadership in areas such as cloud, data and AI, and global scale, which will help them advance their businesses. Our teams will benefit from the opportunity to grow and deepen their careers in one of the world's most innovative, inclusive and global organizations."

True North Solutions' services encompass engineering and commissioning, industrial automation solutions, enterprise asset management, OT cybersecurity, and digital infrastructure for industrial telecommunications. They bring a team of 95 experts in automation, instrumentation and electrical engineering to Accenture, who will join the company's digital engineering and manufacturing service, Industry X.

Other acquisitions Accenture has made in Canada to build capabilities for asset-intensive companies include Comtech Group, a consulting and program management company for infrastructure projects, and Eclipse Automation, a provider of customized manufacturing automation and robotics solutions.

Terms of the transaction were not disclosed.

Accenture Completes Acquisition of Arņs Group

8 July 2024

Accenture has completed the acquisition of Arņs (pronounced Aris) Group, a technology services provider focused on supporting both public and private sector transformation across Europe.

The acquisition, previously announced on March 18, 2024, adds more than 2,330 people to Accenture that specialize in software development, business intelligence, data science and AI, security management, cloud, and mobile development.

Based in Luxembourg and privately held, Arņs Group was founded in 2003 and has grown into one of Europe's largest independent service providers. In addition to its work with enterprise clients, Arņs Group has a large focus on the European Union, the EU Commission, its various institutions and member state organizations.

The terms of the agreement have not been disclosed.

IFS Acquires EmpowerMX

10 July 2024

IFS, the leading technology innovator in cloud and Industrial AI software, announces the acquisition of EmpowerMX. EmpowerMX is an AI-powered aviation maintenance software provider specializing in Airframe Maintenance Repair and Overhaul (MRO) solutions, which are trusted by the largest aviation organizations in the world, including Embraer, MRO Holdings, Delta and American Airlines.

The acquisition reinforces IFS's commitment to Industrial AI and underpins the importance of industry-specific capabilities that enable customers to rapidly derive value and improve the way they serve their customers at the moment of service. For aerospace & defense customers, this translates to improving efficiencies, enhancing production control, minimizing turn-around times, and reducing maintenance costs.

Together, EmpowerMX and IFS will provide aerospace & defense customers with the most comprehensive and capable maintenance management system that can support multiple users in multiple roles, as well as provide well-documented, paperless governance in the form of electronic task cards and logbooks.

The acquisition will deliver more value and Industrial AI innovation to customers at a time when aviation MROs and the airline industry are experiencing multiple challenges that negatively impact profitability and operational efficiency, including supply chain disruption, labor and skills shortages, capacity shortfall, compliance, and ESG reporting.

EmpowerMX's customers will now be able to leverage IFS's capabilities and global scale to benefit from embedded IFS.ai innovation that enables them to maximize asset availability, deliver best practices, and ensure compliant delivery.

Scott Helmer, President of IFS's Aerospace & Defense Business Unit, commented: "Combining EmpowerMX with IFS is a perfect opportunity to proactively advance our leadership position in the aviation MRO software space due to the many synergies we have: an aligned technology vision, deep sector expertise and a shared commitment to customer value. Together, we not only expand our reach and foothold into the burgeoning MRO space, but we can also better serve a wider base of global A&D customers with the Industrial AI-fueled MRO innovation that enhances security, safety and efficiency."

Helmer added: "EmpowerMX's world-class and established customer base of leading aviation brands complements our own roster of industry leaders including Southwest Airlines, Air France KLM, Lockheed Martin and BAE Systems."

Dinakara Nagalla, Founder & CEO, EmpowerMX, commented: "EmpowerMX has been at the forefront of technology innovation in the MRO space, and I am incredibly proud of what our team has achieved with the EMX platform, products, and services. We are excited to join the IFS team that will enable us to accelerate innovation and extend the value we create for MRO customers. With IFS's global presence, EmpowerMX can help our MRO clients deliver faster turnaround, drive bottom line growth, and leverage the AI capabilities we are infusing into our products."

IFS is independently recognized as a leader in EAM, ERP, and FSM solutions for asset and service-centric industries. Within A&D, more than 310 million passengers fly safely thanks to aircraft maintained by IFS.ai.

Aly Pinder, Research Vice President, Aftermarket Services Strategies, IDC, commented: "For the aviation MRO and airline industry, digital transformation initiatives are critical to addressing operational challenges, including long turnaround times, out-of-service aircraft, and compliance adherence," said IDC analyst Aly Pinder. "As a notable company in the aviation MRO software

market, IFS has helped some of the world's largest air carriers address these challenges by modernizing their enterprise intelligence systems. The acquisition of EmpowerMX will complement IFS's existing cloud-based aviation maintenance solution and present IFS with an opportunity to strengthen its market position in the MRO sector."

TriMech Group Acquires Product Development Specialists MAKO Design + Invent to Expand Design and Engineering Services for Clients

9 July 2024

The TriMech Group has acquired MAKO Design + Invent, which provides tailored, end-to-end product design and development services across all physical consumer product categories to clients in the United States and Canada.

With this latest acquisition, the TriMech Group continues to deliver on its plan to expand and diversify its service offerings and build the best-in-class solution partner to the global advanced design, engineering, and manufacturing sectors.

Chip Hogge, Chief Strategy Officer for the TriMech Group, and President of TriMech's Advanced Manufacturing business, said that adding MAKO's expertise sets the stage for TriMech to offer enhanced, comprehensive product development support for clients of all sizes.

"Over its 20-year history, MAKO's award-winning team has perfected their product development process, which creates high-caliber products to be sold in North American and international markets. Their expertise will form a solid foundation for a new product development line of business for the TriMech Group."

Support throughout the product design and development lifecycle

MAKO's unique platform supports inventors, designers, manufacturers and e-commerce brands through planning, strategy development, designing, prototyping, manufacturing, and scaling to production volume, all to efficiently transform a concept into a fully functional, market-ready product.

At the heart of this process is MAKO's talented team of industrial designers and mechanical and electrical engineers. TriMech's Project Engineering Group (PEG) provides additional design capabilities and capacity in the key engineering stages of the product development lifecycle. And TriMech's global teams of advanced simulation specialists can support additional simulation and analysis needs clients have during those stages.

Hogge explained that the TriMech Group is focused on steadily expanding the depth of its expertise in critical service areas to meet evolving client needs.

"Clients in all industry verticals are seeking professional, reliable services and support. We stand out because we offer much more than software and hardware. We can serve as that single technology and business partner who can help clients accelerate their product development lifecycles while improving quality and reducing risk."

Meeting needs in prototyping and manufacturing

The MAKO team's experience across the product development lifecycle can also bring new manufacturing connections and projects to the TriMech Group, already well known for its 3D printer sales and services, as well as its expertise in other advanced manufacturing methods, from traditional to emerging.

"Collaboration across production stages will really benefit clients," Hogge said. "With advanced prototyping and short-run manufacturing capabilities in house, our Advanced Manufacturing Services business in North America and 3DPRINTUK in the UK are perfectly positioned to step in. Access to their knowledge will move client projects efficiently through creating physical models and finished parts."

Opportunities for MAKO's team and clients

MAKO's founder, Kevin Mako, will remain in the business to provide leadership in the TriMech Group's expanded product development services team.

"My team and I will continue to serve clients the way we always have – with personal, customized service that gets their product to the finish line quickly, efficiently and at a world-class standard," he said. "At the same time, we are extremely excited to collaborate with one of our favorites in the industry – the TriMech Group. Tapping into their team of design-for-manufacturing experts, prototyping and manufacturing facilities, and advanced software will help us ensure the best solutions for our clients."

Company News

Altair Named Samsung Advanced Foundry Ecosystem Partner

9 July 2024

Altair, a global leader in computational intelligence, has been selected as an electronic design automation (EDA) partner for the Samsung Advanced Foundry Ecosystem (SAFE™).

Through this collaboration, Altair and Samsung Electronics will combine Altair's comprehensive EDA technology with Samsung Foundry's manufacturing capabilities to establish a more innovative, more efficient semiconductor design and production process.

"Integrated design and verification solutions are a key element in the semiconductor industry, which demands fast, high-quality production," said Doha Kim, country manager, Altair Korea. "By providing various design and verification solutions, Altair supports collaboration within the ecosystem, including with Samsung Foundry, design houses, and fabless companies, to enhance productivity and quality."

Altair was selected as a SAFE EDA partner for its diverse technological capabilities in providing various solutions needed for semiconductor design and verification, including silicon debugging tools. These solutions are used to meet and verify various design requirements for foundry customers by providing chip design, analog circuit verification, production process simulation, and rapid debugging technology.

Among these solutions is Altair® FlowTracer™, a visualization platform for digital circuit design flow that facilitates problem identification and resolution for library and process design kit (PDK) users through visualization. Additionally, it standardizes complex multi-structure design flows, enabling efficient management of semiconductor design and verification processes.

Within the partnership, Altair also plans to offer integrated solutions including high-performance computing (HPC) resource management, AI-based meta-scheduling technology, and data analytics solutions. Together, both companies aim to enhance market responsiveness and product development competitiveness to quickly handle large amounts of data.

Ansys Launches STK Availability in AWS Marketplace

9 July 2024

Ansys announced that Ansys System Tool Kit (STK), an industry-leading software for digital mission engineering and systems analysis, is now available in AWS Marketplace, a digital catalog with thousands of software listings from independent software vendors that make it easy to find, test, buy, and deploy software that runs on Amazon Web Services (AWS).

With the availability of Ansys STK in AWS Marketplace for use in the AWS GovCloud (US) Region, US-based customers can procure necessary software and automate machine provisioning without the stress and expense of managing on-premises resources. Engineers can model complex systems inside a realistic 3D simulation that includes high-resolution terrain, imagery, radio frequency environments, and more. The model-based systems engineering framework of Ansys STK also enables engineers to optimize and refine their models much earlier in the design process.

AWS customers will now have access to Ansys STK's modeling, analyzing, visualizing, and simulating capabilities for satellites, spacecraft, and other critical aerospace and defense systems directly within AWS Marketplace. AWS provides customers with the ability to streamline the purchase and management of STK within their AWS Marketplace account.

"Making Ansys STK available in AWS Marketplace will help critical customers test and optimize new technologies, stay aligned with new guidelines, and efficiently deliver on key programs within the AWS GovCloud (US) Region," said Kevin Flood, vice president of digital mission engineering at Ansys. "By accessing Ansys STK in AWS Marketplace, customers can now take their first step in achieving streamlined collaboration across distributed teams and on-demand scalability."

Ansys Listed in AWS "ICMP" for the US Federal Government

9 July 2024

Ansys a global leader in engineering simulation software solutions, announced that it is listing Ansys STK™ in the AWS Marketplace for the US Intelligence Community (ICMP). ICMP is a curated digital catalog from Amazon Web Services (AWS) that makes it easy to discover, purchase, and deploy software packages and applications from vendors that specialize in supporting government customers.

Ansys' offerings include a broad array of common software infrastructure, developer tools, and business software products, with the categories of products and vendors growing over time. Ansys STK is designed to empower customers to model, analyze, visualize, and simulate high-fidelity satellites, spacecraft, and other critical aerospace and defense systems within their operational environments.

"Our customers face incredible challenges completing projects on time and within budget — one substantial hurdle is ensuring a distributed team can seamlessly access the same resources," said Kevin Flood, vice president of digital mission engineering at Ansys. "Ansys now offers the gold standard in digital mission engineering simulation solutions on ICMP. This seamless accessibility eases pain points around navigating approval processes and file sharing, allowing users to harness the power of STK from any device, anywhere."

With STK, engineers can model complex systems inside a realistic, simulated 3D environment that includes high-resolution terrain, imagery, radio frequency, and more. It enables users to simulate entire system-of-systems in action and gain a clear understanding of behavior and mission performance.

Bechtle founds a charitable nonprofit entity

10 July 2024

Bechtle AG has founded a charitable organisation with the aim of widening the scope of its social commitment activities, in particular relating to education and equality, which have been anchored in the new entity's Articles of Association. The organisation will focus on projects in two areas—education, life-long learning, vocational training and student support on the one hand, and promoting gender equality in the workplace on the other. Furthermore, Bechtle Stiftung gGmbH also provides the legal groundwork for structured collaboration with the Gerhard and Ilse Schick Foundation. Gerhard Schick is one of Bechtle's founders and the Schick family have been anchor shareholders since the company's initial public offering. The Bechtle foundations' first project aims to promote and develop women in the IT industry.

Dubbed Female Upgreat, or FEAT for short, the initial campaign seeks to increase the percentage of women working in IT by providing support from school age and throughout their careers with specific development measures. "With systematic measures that align with our target groups during each phase of their lives, we can support women from a young age all the way to top management positions," explains Julia Loza Roger, Managing Director of the newly founded Bechtle Stiftung gGmbH. The 36-year-old organisational psychologist has worked in Bechtle's People Development department for the last two years and, among other things, oversaw the Bechtle Career Jumpers programme.

The FEAT programme will support participating women for up to 15 years subject to regular review. However, they will become life-long members of the organisation's alumni network to share their experiences with the next generation and engage with a growing community even after their own support programme has concluded. To ensure continuity, the programme will begin every 12 to 36 months depending on the individual target group.

Dr Thomas Olemotz, CEO, Bechtle AG: “The Bechtle Stiftung gGmbH is a fantastic foundation to promote greater corporate social responsibility. FEAT is the first step towards effectively advancing women with the ultimate aim of creating equality on a management level, which is of great importance in the IT industry.”

Karin Schick, Programme Patron and responsible for the Gerhard and Ilse Schick Foundation: “We are confident in FEAT’s long-term and holistic approach. Our aim is to cultivate positive change that will inspire across the generations. Supporting young female talent throughout their lives on their path to top management positions is a challenging and worthwhile goal we are happy to contribute to.” The daughter of Bechtle’s co-founder, Karin Schick worked many years in the company’s finance department before sitting on Bechtle AG Supervisory Board for 14 years. She has dedicated her time to social projects since 2014 and set up the foundation named after her parents in 2022.

FEAT is scheduled to launch in winter 2024.

Canvas GFX Announces Commercial Partnership with Aras

10 July 2024

Canvas GFX announced a commercial partnership with Aras, a leading provider of product lifecycle management (PLM) and digital thread solutions. Through this partnership, Aras will collaborate with Canvas to offer the Canvas Envision connected knowledge platform to its global customer base as an integrated solution with Aras Innovator®.

The partnership opens a new commercial channel for the Envision platform and brings powerful Connected Worker functionality to the Aras ecosystem. Envision integrates with Aras Innovator to enable the creation and usage of fully interactive, model-based work instructions, animations, and graphics which maintain associative links with CAD data stored on the Aras platform.

With a unified digital thread as the ‘single source of truth’ for product data, the integration of Aras Innovator and Envision empowers teams across the enterprise to create and consume interactive digital instructional documents that leverage up-to-the minute design data. Product data that is accurate, up to date, and in context enables organizations to streamline collaboration and information sharing throughout the product lifecycle.

“It has always been our intention to partner with best-in-class platform providers in the manufacturing industry to deliver uniquely powerful solutions for the transfer of critical knowledge,” said Patricia Hume, CEO of Canvas GFX. “Aras Innovator is the source of truth for some of the most respected manufacturing brands in the world and we are delighted to be combining our strengths to bring yet more digital innovation to these organizations.”

“Canvas GFX creates powerful software solutions for manufacturing organizations who prioritize innovation,” said Roque Martin, CEO of Aras. “The integration of Canvas Envision with Aras Innovator transforms the development and utilization of visual instructional content to ensure operational excellence for manufacturers in an increasingly competitive environment.”

CAPGEMINI GOVERNMENT SOLUTIONS APPOINTS DAN FORD AS CEO

3 July 2024

Capgemini Government Solutions LLC, an independent Capgemini subsidiary working with U.S. Government Agencies, named Dan Ford as Chief Executive Officer, effective immediately. He succeeds Bill Webner who has stepped down to pursue a new opportunity.

With nearly two decades at Capgemini Government Solutions, Ford has been instrumental in partnering with government agencies to transform and manage their business by unlocking the value of technology. He's held leadership roles at Capgemini Government Solutions including National Security Sector Leader and, most recently, as Head of U.S. Federal Sectors.

Ford's team has been dedicated to helping U.S. Federal clients grow, collaborate, and align their strategies to deliver critical outcomes across civilian, health, national security, and defense sectors. Ford holds a Master of Engineering in Logistics from Massachusetts Institute of Technology and a Bachelor of Arts in Economics from Davidson College.

"Dan has been a key driver behind the growth in the Capgemini Government Solutions business and we have every confidence that he will successfully continue strengthening and deepening the company's long-term value," said Jim Bailey, CEO of Capgemini in the Americas and Group Executive Board Member. *"His leadership will bring a new perspective while we continue to be innovative with our clients and competitive in the federal marketplace."*

Cyncly wins Best CAD Solution at 2024 BKU Awards

4 July 2024

Cyncly, the leading global provider of software and content solutions that help make amazing spaces for living, is proud to have won Best CAD Solution at the 2024 BKU Awards, for its market-leading bathroom design software Virtual Worlds.

Virtual Worlds enables designers to create stunning 3D designs with manufacturer endorsed products and present them in realistic virtual reality with 4D Theatre. Virtual Worlds retailers are regularly seeing an increase in their average sales value by 20% compared to the old way of presenting.

The award was presented to the Cyncly team during a glittering ceremony on Friday, June 21st, at the Grand Connaught Rooms in London. Cyncly was also proud to be the social media sponsor for this special event, celebrating the 10th anniversary of the BKU Awards.

"We are thrilled and honoured to receive the BKU Award for Best CAD Solution for Virtual Worlds," said Alex Ainge, Cyncly Senior Director – Head of KBF Retail Sales EMEA. *"This recognition is a testament to our team's hard work and dedication to delivering innovative solutions that meet the needs of our customers. Thanks to everyone who supported us and look forward to continuing to lead in software excellence."*

Overcoming strong competition in a category where its kitchen software, Winner Flex, was also a finalist, Cyncly's Virtual Worlds was nominated for the top award by the bathroom retailers and designers who regularly use the software.

HCLTech and IBM Announce Generative AI Center of Excellence to Support Clients with Customized AI Solutions

2 July 2024

HCLTech, a leading global technology company, and IBM announced a new collaboration to establish a Generative AI Center of Excellence (CoE) based on the IBM watsonx™ AI and data platform.

The CoE, which will be available through HCLTech's AI and Cloud Native Labs in London and Austin, TX., will be designed to help global enterprises build custom AI applications, expand data capabilities and accelerate responsible AI workflows.

Leveraging HCLTech's Cloud Native Labs and generative AI solutions and IBM's watsonx™ AI and data platform, the CoE will help enterprises modernize legacy applications, develop IT service management (ITSM) use cases, reduce coding complexity, improve skill development on the watsonx platform and enable continuous innovation. In addition, HCLTech clients will be able to access the IBM teams' watsonx expertise via HCLTech when building, scaling and customizing their AI solutions for customers.

"This expansion of our work with IBM will facilitate rapid exploration of AI's potential as we create highly differentiated HCLTech offerings using the latest IBM technology. We plan to embed watsonx in HCLTech AI Force with generative AI powered solutions to support code modernization," said Vijay Guntur, Chief Technology Officer and Head of Ecosystems, HCLTech. "Additionally, we plan to help our clients accelerate generative AI adoption through AI facilitated by watsonx while enhancing digital skills for enterprise productivity through the implementation of watsonx Orchestrate."

Together with IBM, HCLTech aims to train 10,000 of its engineers and architects in IBM's cutting-edge AI technologies, specifically watsonx. The adaptive portfolio, CloudSMART for IBM, assists businesses in continuous innovation through advanced technologies, utilizing the latest business and technology insights.

"Driving adoption of responsible generative AI solutions is an important component of our collaboration with Service Partners like HCLTech. Through this Center of Excellence, we plan to empower our joint clients to rapidly explore, experiment and engineer generative AI solutions with watsonx that are designed to meet their current business challenges," said Stephen Smith, General Manager, Service Partners, IBM Ecosystem.

The CoE will offer clients access to education and training resources covering diverse AI technologies, including watsonx.ai, watsonx.data, watsonx.governance, the watsonx Code Assistants, watsonx Orchestrate, and watsonx Assistant to help skill their resources and provide a platform for building use cases.

iBase-t Appoints Charlie Luke Velasquez as Chief Financial Officer

9 July 2024

iBase-t, the company that simplifies how complex products are built and maintained, is proud to announce the appointment of Charlie Luke Velasquez, a distinguished strategic finance and operations executive, to its leadership team as Chief Financial Officer.

Velasquez is a Certified Public Accountant with a track record of executing high-profile deals, including an IPO, an acquisition by a Fortune 100 company, and acquisitions from both strategic and Private Equity firms. His leadership has driven profitable growth across diverse industries including Software, Hardware, Retail, Healthcare, and Services, utilizing both organic and inorganic growth strategies.

“With a robust background spanning finance, accounting, operations, sales, business development, and product management, Charlie brings unparalleled expertise and strategic vision to our organization,” said Naveen Poonian, CEO of iBase-t. “We’re excited to leverage Charlie’s strategic vision and proven abilities to deliver results in our complex and dynamic business environment. His extensive background and leadership make him a pivotal addition to our team in support of our growth strategy.”

Throughout his career, Velasquez has held key executive roles at leading firms such as Syntellis Performance Solutions, Centrifify Security Software, Arxan Technologies, CollabNet Inc., and Cisco Systems Inc. He has managed large teams and owned comprehensive P&L responsibilities, leading financial and operational strategies that culminated in significant company exits and acquisitions.

Charlie holds a Bachelor of Science in Business from San Francisco State University and is a Certified Public Accountant (California State Board of Accountancy, Certificate No. 64902). His foundational experience in auditing and consulting at KPMG Peat Marwick, LLP, has equipped him with a profound understanding of financial practices and compliance.

Infosys BPM opens second office in Aguadilla; Brings new jobs to the Island

27 June 2024

Infosys BPM, the business process management arm of Infosys, is pleased to announce the inauguration of its second facility at the Montana Industrial Park in Aguadilla, Puerto Rico. This new facility benefits from an investment of US\$200,000 and support from the Puerto Rico Economic Incentive Fund, allocated by the Department of Economic Development and Commerce (DDEC). The expansion will generate 325 new jobs that will be added to the current workforce of 300 workers.

The new office will enable Infosys BPM to expand its capacity to serve more clients in the aerospace, healthcare, insurance, financial services, and telecommunications industries. This will create employment opportunities for local talent skilled in knowledge-based data processing and customer service, contributing significantly to the economy of the northwest region of the Island.

The **Hon. Secretary of the DDEC, Manuel Cidre**, highlighting the growth potential of the company expanding in Puerto Rico, said, "This second Infosys center will continue to provide services to local and global clients in the United States, Europe, the Middle East, and Africa, with highly qualified professionals who work at the forefront of innovation and technology. It is another step forward towards accelerating growth across industries in Puerto Rico, which will strengthen its position in the global market."

Hon. Julio Roldan Concepcion, Mayor of Aguadilla, added, "We are delighted to continue to host Infosys BPM and are confident that this new facility will contribute significantly to the local economy. Infosys BPM has always added value to Aguadilla's economic landscape."

Reaffirming the company's commitment to enhancing operational efficiencies, driving greater productivity, and providing exceptional value to its clients, **Anantha Radhakrishnan, CEO & Managing Director, Infosys BPM**, said, "Our expanded new facility in Puerto Rico is another significant step towards accelerating innovation for global companies, as Infosys BPM continues to be laser-focused on providing value from great processes and compelling experiences. We appreciate the immense support given to us by local policy makers to accelerate our vision for shared progress."

KORE Announces Appointment of Bruce Gordon as Executive Vice President and Chief Operating Officer

8 July 2024

KORE Group Holdings, Inc. ("KORE," the "Company," "we" or "our"), a global leader in Internet of Things ("IoT") Solutions and pioneering IoT hyperscaler, announced that Bruce Gordon has joined as Executive Vice President and Chief Operating Officer (COO), effective July 2, 2024.

Gordon brings over three decades of technology sector experience, having held multiple significant leadership roles. Most recently, he served as Chief Executive Officer and Executive Chairman of GeoDigital, a provider of 3D services and geospatial intelligence software. Previously, at ABB Ventyx (formerly Mincom), Gordon served as Senior Vice President, Business Solutions. Prior to this Gordon held roles of Chief Technology Officer at Infor, a leading enterprise software company, overseeing technology strategy through a significant period of growth which included the acquisition and integration of 27 companies, and Chief Operating Officer at Descartes where he was responsible for a significant business transformation.

"I am thrilled to join KORE and lead our operational strategies during this exciting period of expected growth. With a focus on innovation and customer-centered solutions, I look forward to working with the talented team at KORE to drive operational excellence and deliver unparalleled value to our customers," said Gordon.

In his new role as Executive Vice President and COO of KORE, Gordon will focus on enhancing operational efficiencies, fostering innovation and driving sustainable growth. His leadership will help optimize KORE's internal processes, leverage human talent and maximize market opportunities to solidify the Company's position as a leader in IoT.

"We are delighted to welcome Bruce to the KORE executive team," said Ron Totton, Interim President and CEO of KORE. "Bruce's extensive experience and proven track record in transforming organizations and driving growth will be invaluable as we continue to innovate and expand our offerings to meet the evolving needs of our customers."

In connection with his employment, the Company made a grant to Gordon of an aggregate of 100,000 restricted stock units ("RSUs"), where each RSU represents the right to receive one share of the Company's common stock upon the terms and conditions of the related RSU award agreements (the "Award Agreements"). The grant of RSUs was offered as a material inducement to Gordon's hiring.

The RSUs were granted by the Compensation Committee of KORE's Board of Directors, in reliance on the employment inducement exemption under the NYSE's Listed Company Manual Rule 303A.08, which requires public announcement of inducement awards. The Company is issuing this press release pursuant to Rule 303A.08. The RSUs were granted outside the KORE Group Holdings, Inc. 2021 Long-Term Stock Incentive Plan (the "Plan") but will be governed by the terms of the Plan as if they were issued under the Plan.

Subject to the terms and conditions of the Award Agreements, 10,000 RSUs shall vest in the first anniversary of the grant date, 27,500 RSUs shall vest on the second anniversary of the grant date, 27,500 RSUs shall vest on the third anniversary of the grant date, and 35,000 RSUs shall vest on the fourth anniversary of the grant date, subject to Gordon's continuous employment or service to the Company through the applicable vesting date.

Schneider Electric Sustainability Impact Awards Return, Underscoring a Commitment to Partners' Sustainability Efforts

1 July 2024

Schneider Electric, the leader in the digital transformation of energy management and automation, announced a global call for entries for its third annual Schneider Electric Sustainability Impact Awards to celebrate its partner ecosystem in creating a more sustainable and electric world. This year, the application has been revamped and submissions are open until Oct. 15, 2024. Global winners will be announced in early 2025.

Named last week by Time Magazine and Statista as the world's most sustainable company, Schneider Electric's Impact Awards selection criteria reflect the company's integrated approach to sustainability. Entrants are assessed based on their decarbonization efforts to Electrify, Reduce, and Replace, while also looking more broadly at their endeavors to create an Electricity 4.0 future through actions to Strategize, Digitize, and Decarbonize. In addition to receiving valuable recognition, award winners benefit from global visibility that could lead to new business opportunities.

"As we open applications for the third Schneider Electric Sustainability Impact Awards, we celebrate the pivotal role our partners have in advancing an electric and digital future," said Aamir Paul, President of North America Operations at Schneider Electric. "The award criteria reflect our dedication to empowering our network to drive decarbonization through innovative

automation and energy management solutions and services, fostering more sustainable communities in North America and worldwide.”

How to enter

Applications will be accepted from now until Oct. 15, 2024 ([apply here](#)). All nominations and submissions will be shortlisted for country awards. Country winners will then be entered into the regional finals before being considered for the global award. Global winners will be announced in early 2025.

Last year’s program received more than 400 entries from 60 countries. Twelve companies were selected for the global Sustainability Impact Awards and announced at the Schneider Electric Innovation Summit in Paris in April. U.S. companies recognized included BlackRock, NYU Langone Health, Enterprise Automation, C&C Group, and Stark Tech.

The 2024 Sustainability Impact Awards continue the momentum of Schneider’s Partnering for Sustainability initiative, which aims to empower its extensive partner ecosystem to deliver a more sustainable future. The latest milestone of this was the launch of the Schneider Electric Sustainability School, a free educational resource available for companies worldwide to accelerate their decarbonization journey.

Financial News

Addnode Group - Interim Report 1 January – 30 June 2024

12 July 2024

Growth and robust earnings improvement

»The second quarter of 2024 was strong for Addnode Group, with organic and acquired growth and a robust improvement in earnings. Net sales increased by 29 percent and earnings per share improved by 64 percent. Strong growth for Symetri, the acquisition of Team D3 and cost efficiencies in the Product Lifecycle Management division contributed to this positive development.«

Johan Andersson

President and CEO

Second quarter April 1–June 30, 2024

- Net sales increased by 29 percent to SEK 2,005 m (1,554), of which 12 percent was organic. Currency-adjusted organic growth was 11 percent.
- Gross profit increased to SEK 1,003 m (859), and the gross margin was 50.0 percent (55.3).
- EBITA increased to SEK 162 m (110), and the EBITA margin was 8.1 percent (7.1).
- Operating profit increased to SEK 96 m (56), and the operating margin amounted to 4.8 percent (3.6).
- Net profit for the period increased to SEK 54 m (34).

- Earnings per share increased to SEK 0.41 (0.25).
- Cash flow from operating activities increased to SEK 178 m (127).
- Acquisition of GPS Timber software.
- Jonas Gejer, VP of Business Development, stepped down from his position.

Events after the end of the reporting period

- Acquisition of Addoceo AB.
- Acquisition of Prime Aerostructures in Austria.

Cadence Announces Second Quarter 2024 Financial Results Webcast

5 July 2024

Cadence Design Systems, Inc. will hold its second quarter 2024 financial results webcast on Monday, July 22, 2024.

Participating in the webcast will be Dr. Anirudh Devgan, president and chief executive officer, and John Wall, senior vice president and chief financial officer.

The webcast will begin Monday, July 22, 2024 at 2:00 p.m. Pacific Time. An archive of the webcast will be available online from 5:00 p.m. Pacific Time on July 22, 2024 until 5:00 p.m. Pacific Time on Friday, September 13, 2024 at cadence.com/cadence/investor_relations.

Dassault Systèmes Provides Preliminary Second Quarter 2024 Results and Full Year Outlook

9 July 2024

Dassault Systèmes announces preliminary non-IFRS unaudited financial results for the second quarter ended June 30th, 2024 with total revenue below the Company's financial objectives while earnings per share (EPS) are in line with second quarter objectives. The Company will release its second quarter results on July 25th, 2024 as previously disclosed. In addition, Dassault Systèmes will hold a conference call today to discuss preliminary results at 1:00 PM London time/ 2:00 PM Paris time/ 8:00 AM New York time as stated below.

Preliminary financial results for the second quarter are presented on a non-IFRS basis to facilitate comparison to the Company's financial objectives which are given on a non-IFRS basis. The preliminary and unaudited non-IFRS financial information which follows is based upon initial closing information and is subject to further review. Non-IFRS figures for revenue, operating income, operating margin, net income and diluted earnings per share, exclude the effect of adjusting the carrying value of acquired companies' deferred revenue, share-based compensation expense and related social charges, the amortization of acquired intangible assets and of tangibles reevaluation, certain other operating income and expense, net, including impairment of goodwill and acquired intangibles, the effect of adjusting lease incentives of acquired companies, certain one-off items included in financial revenue and other, net, and the income tax effect of the non-IFRS adjustments and certain one-time tax effects.

Preliminary 2024 Second Quarter Versus 2023 Financial Comparisons¹

(unaudited, non-IFRS and all growth rates in constant currencies unless otherwise noted)

- Total revenue estimated at €1.495 billion in the second quarter, or y/y growth of approximately 4%, versus Company guidance in the range of €1.525 to €1.555 billion;
- Revenue shortfall estimated at €30 million, mainly due to large transaction delays;
- Diluted EPS estimated at €0.30, in line with objective of €0.30 to €0.31;
- Updating FY 2024 objectives to integrate volatility factors with total revenue growth now expected in the range of 6% to 8% and diluted EPS growth now expected in the range of 8% to 11% y/y.

Pascal Daloz, Dassault Systèmes' Chief Executive Officer, commented:

“Our preliminary second quarter revenue came in below the guidance by about €30 million, or 2%, due to large transaction delays. While we apologize for this shortfall, I want to confirm my commitment to Dassault Systèmes' long track record of delivering results in accordance with our guidance.

Although second quarter pipeline permitted to deliver on our initial guide and the need for our solutions remains strong, we have observed cautiousness in customer signings in a complex geopolitical environment.

Importantly, all deals that have been delayed are still in our roadmap for future quarters. However, we anticipate that a certain volatility in customers' decision-making will continue and consequently believe it is prudent to reflect this in our full year outlook.”

Rouven Bergmann, Dassault Systèmes' Chief Financial Officer, commented:

“As we want to continue our long-lasting track record of delivering results according to plan, we have decided to reduce the risk of our back-end loaded year by adjusting our 2024 total revenue guidance growth to now 6% to 8%, versus 8% to 10% previously, and diluted EPS in the range of 8% to 11%, versus 10% to 12% prior.

We will be taking the necessary actions to balance between operating efficiency and investments in long term growth, while preserving EPS.

We will conduct a conference call today at 2 PM CEST / 8 AM EST to discuss this update. At the same time, we confirm our Earnings Call on July 25th, 2024, as planned, where we will present and discuss the financial results of second quarter in more detail.”

Today's Conference Call Information

Today, July 9th, 2024, Dassault Systèmes will host a conference call at 1:00 PM London time / 2:00 PM Paris time / 8:00 AM New York time. The conference call will be available online by accessing <http://www.3ds.com/investors/>.

The Company will return to its pre-release quiet period beginning this evening, July 9th, 2024 and will have no further comments on its financial results until it releases its second quarter and year-to-date 2024 financial results on July 25th, 2024.

DXC Technology to Report Fiscal First Quarter 2025 Results

10 July 2024

DXC Technology, a leading Fortune 500 global technology services provider, announced that it will release financial results for the first quarter of fiscal year 2025 on Thursday, August 8, 2024, at approximately 4:15 p.m. ET

Following the release, DXC Technology's management will host a conference call at 5:00 p.m. ET to discuss the company's results. 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#. A live webcast of this event will also be available on DXC Technology's [Investor Relations website](#).

A replay of the conference call will be available until 11:59 PM ET on August 15, 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](#).

Informatica To Report Second Quarter 2024 Financial Results on July 30, 2024

11 July 2024

Informatica, a leader in enterprise cloud data management, announced it will report financial results for the second quarter 2024, which ended June 30, 2024, following the close of the U.S. markets on Tuesday, July 30, 2024. Informatica will hold a conference call on the same day at 2:00 p.m. Pacific Time (5:00 p.m. Eastern Time) to discuss its quarterly financial results.

The conference call can be accessed by dialing (833) 470-1428 from the United States or (404) 975-4839 internationally with access code 653349.

A live webcast and replay of the conference call and earnings presentation materials will be available on the investor relations page of Informatica's company website at <https://investors.informatica.com>.

Invitation to presentation of Hexagon's Interim Report on 26 July

9 July 2024

Hexagon will release its Interim Report for the second quarter 2024 on Friday, 26 July, at approximately 08:00 CET. President and CEO Paolo Guglielmini will host a live webcast and telephone conference at 10:00 CET.

Webcast:

The webcast will be streamed [here](#).

Telephone conference:

Anyone interested in participating in the Q&A session following the first quarter Interim Report presentation must register [here](#).

1. Upon registering, each participant will be provided with a personal PIN and dial in information via email.
2. Access to the telephone conference will be available 10 minutes prior to call start time.

All presentation material will also be available for on-demand viewing on the Company's website.

Procore Announces Timing of Second Quarter Fiscal Year 2024 Earnings Call

11 July 2024

Procore Technologies, Inc., the leading global provider of construction management software, announced that it will report its second quarter fiscal year 2024 financial results after the U.S. financial markets close on Thursday, August 1, 2024.

In conjunction with this announcement, Procore will host a conference call on Thursday, August 1, 2024 at 2:00 p.m. Pacific Time to discuss Procore's financial results and financial guidance. To access this call, dial +1 833 470 1428 (domestic) or +1 404 975 4839 (international). The conference ID number is 126476. A live webcast of this conference call will be available on the Investor Relations page of Procore's website, <http://investors.procore.com>, and a replay will be archived on the website as well.

PROS Holdings, Inc. Announces Date of Second Quarter 2024 Financial Results Release, Conference Call, and Webcast

9 July 2024

PROS®, a leading provider of AI-powered SaaS pricing, CPQ, revenue management, and digital offer marketing solutions, will release its financial results for the second quarter 2024 ended June 30, 2024, after the U.S. financial markets close on Tuesday, July 30, 2024.

PROS Holdings, Inc. will host a conference call on Tuesday, July 30, 2024, at 4:45 p.m. ET to discuss the company's financial results and business outlook. To access this call, dial 1-877-407-9039 (toll-free) or 1-201-689-8470.

The live and archived webcasts of this call can be accessed under the "Investor Relations" section of the Company's website at www.pros.com. A telephone replay will be available until Tuesday, August 6, 2024, at 11:59 PM ET at 1-844-512-2921 (toll-free) or 1-412-317-6671 using the pass code 13747137.

PTC to Announce Fiscal Q3'24 Results on Wednesday, July 31st, 2024

11 July 2024

PTC will release its fiscal 2024 third quarter results on Wednesday, July 31st after the stock market closes. Senior management will host a live webcast and conference call to review the results on Wednesday, July 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 Q3'24 Conference Call and Webcast

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

Webcast: Register [Here](#)

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

TCS Starts FY2025 on a Strong Note with Broad-Based Growth

11 July 2024

Tata Consultancy Services reported its consolidated financial results according to Ind AS and IFRS, for the quarter ending June 30, 2024.

Highlights of the Quarter Ended June 30, 2024

- Revenue at **US\$7.51 billion**, +3.9% YoY, +4.4% YoY in Constant Currency
- Operating Margin at **24.7%**; an expansion of **1.5%** YoY
- Net Income at **US\$1.44 billion**, +8.7% YoY | Net Margin at **19.2%**
- Net Cash from Operations at **US\$1.34 billion** i.e. **92.8%** of Net Income
- Workforce strength: **606,998** | Net Headcount addition of **5,452**
- Diverse and inclusive workplace: Women in the workforce: **35.5%** | **151** Nationalities
- LTM IT Services attrition rate at **12.1%**
- Dividend per share: **₹10.00** | Record date 20/07/2024 | Payment date 05/08/2024

K Krithivasan, Chief Executive Officer and Managing Director, said: *“I am pleased to report a strong start to the new fiscal year with all-round growth across industries and markets. We are continuing to expand our client relationships, create new capabilities in emerging technologies and invest in innovation, including a new AI-focused TCS PacePort™ in France, IoT lab in the US and expanding our delivery centers in Latin America, Canada and Europe.”*

Samir Seksaria, Chief Financial Officer, said: *“In spite of the usual impact of the annual wage increments in this quarter, we have delivered strong operating margin performance, validating our efforts towards operational excellence. We remain focused on making the right investments in R&I and talent, strengthening our superior return ratios and creating long term value for our stakeholders.”*

Milind Lakkad, Chief HR Officer, said: *“I am delighted to announce the successful completion of our annual increment process. Our continued focus on employee engagement and development led to industry-leading retention and strong business performance, with the net headcount addition being a matter of immense satisfaction.”*

Q1 FY25 Segment Highlights

Growth by Domain

Industry	Composition (%)		Y-o-Y CC Growth (%)
	Q1 FY24	Q1 FY25	
BFSI	32.5	30.9	(0.9)
Consumer Business	16.1	15.4	(0.3)
Life Sciences & Healthcare	11.0	11.0	4.0
Manufacturing	8.4	8.8	9.4
Technology & Services	8.7	8.1	(3.9)
Communication & Media	7.0	6.2	(7.4)
Energy, Resources and Utilities	5.5	5.6	5.7
Regional Markets & Others	10.8	14.0	37.7
Total	100.0	100.0	4.4

Growth by Markets

Geography	Composition (%)		Y-o-Y CC Growth (%)
	Q1 FY24	Q1 FY25	
Americas			
North America	52.0	49.5	(1.1)
Latin America	2.0	1.9	6.3
Europe			
UK	16.4	16.9	6.0
Continental Europe	14.9	14.4	0.9

Asia Pacific	7.8	7.8	7.6
India	4.9	7.5	61.8
MEA	2.0	2.0	8.5
Total	100.0	100.0	4.4

Services: Clients prioritized initiatives that are making their products and services smarter, uplifting productivity while transcending the next Gen technology levers like GenAI, IoT and others.

Win themes across key deals involved operating model transformation, vendor consolidation, legacy modernization, M&A, customer experience, digital workplace services, ER&D, Identity & access management and AI/GenAI initiatives.

AI.Cloud, Cyber Security and Enterprise Solutions led the growth this quarter.

We launched new labs, Centers of Excellence and Delivery Centers focused on AI, IoT (Internet of Things) and Digital Engineering. We have also further expanded our partnership and alliances ecosystem by onboarding new partners in the areas of E&RD (utilities, Process industry and Consumer Products industry segments), Cyber Security (cloud workload and endpoint security, threat intelligence, and cyberattack response services), AI/Gen AI, e-commerce platforms, business consulting for Public Sector and Enterprise Integration Services. We continue to see significant global recognition across all our service offerings.

- AI.Cloud:** We continued to have strong growth momentum with clients continuing to prioritize AI infused Cloud adoption journeys. In this quarter, over 270 AI/GenAI engagements have been deployed or are in various stages of progress. Engagements that have successfully gone live include those enabling dynamic pricing strategies, improved product quality, transformed customer experience and significant productivity uplift in business operations, software development & IT Operations amongst others. We launched the TCS AI WisdomNext™, a platform that aggregates multiple GenAI services into a single interface and enables organizations to rapidly adopt next-gen technologies at scale, efficiently and within regulatory frameworks. We are now a launch partner for the Google Cloud Generative AI Services Specialization. We also won multiple awards from Google and Microsoft at their flagship events.
- Cyber Security:** Cyber Security Services continued to see strong growth this quarter. Our clients prioritized Network security, Identity and Access Management modernization, Risk & Compliance and Cloud Security. We are also seeing good traction for Security Operations transformation, Ransomware resiliency, Secure Gen AI and Attack Surface Management across geographies. This quarter we also expanded our offerings and partnerships significantly.

- **Enterprise Solutions:** Clients continue to invest in their digital core ERP modernization. They are partnering with TCS in their business and CX transformation journey for solutions in supply chain optimization, claim modernization, sustainability and reimagining sales & service channels. GenAI is an area of interest across industries. Our transformation approach, along with our contextual knowledge and industry pre-configured solutions including TCS Crystallus™ are enabling customers to accelerate their growth and transformation journeys. We will continue to invest and strengthen our joint go-to-market approach with our partners.
- **IoT & Digital Engineering:** Clients are focusing on IoT-led digital transformation and ER&D. The growth continues to be driven by demand for digital transformation across connected plants, connected services and industrial product engineering. Key services leading the growth included Manufacturing Execution Systems (MES), Smart Manufacturing, Connected Platform Services (IoT), Electric Vehicles & Software Defined Vehicles, Sustainability including Energy Management. IoT driven transformation across connected devices and manufacturing is seeing higher adoption, along with Industrial AI.
- **Cognitive Business Operations:** This quarter we saw strong bookings led by large deals, reflecting a robust demand for our Business Process and Infrastructure services. The key demand themes were M&A, operating model transformation, digitization of business processes and vendor consolidation. TCS saw significant deal wins in digital workplace services, automation, network transformation, Shrink Analytics and CX transformation. Our approach led by modern tech-led transformation & assets such as ignio™, Cognix™ & MFDM™ is gaining good traction.
- **TCS Interactive:** Our interactive services saw good growth this quarter across multiple offerings. This quarter marked significant recognition of our capabilities across various channels. AdAge ranked TCS among the world's 30 largest agencies (#13), and we are now ranked among the top 4 Digital Agencies. We showcased our capabilities at POSSIBLE and launched the first ever CMO-CIO collaboration study in partnership with IRG at Cannes Lions.

Key Highlights

- Expanded partnership with **Xerox** to develop a new agile, cloud-first operating model in an end-to-end transformation program designed to fast track the evolution of the company to a simplified, services-led, software-enabled organization. TCS will consolidate Xerox's technology services to improve business outcomes, migrate complex legacy data centers to the Azure public cloud, deploy a cloud-based Digital ERP platform to transform business processes and incorporate GenAI into operations to help drive sustainable growth
- Collaborated with **IIT-Bombay** to develop India's first **Quantum Diamond Microchip Imager**. This advanced sensing tool will hold the potential to unlock new levels of precision in the examination of semiconductor chips, reduce chip failures and improve the energy efficiency of electronic devices. The project is aligned with the Government

of India's National Quantum Mission – an initiative to position the nation as a global quantum technology leader.

- Launched the **Bringing Life to Things™ Lab in Cincinnati, Ohio**, to support the rapid prototyping, experimentation, and large-scale implementation of AI, GenAI, and IoT engineering solutions, assisting clients in bringing innovative solutions to life faster and more efficiently. This lab will advance the deployment of comprehensive suite of IoT solutions, including TCS Clever Energy™, TCS Digital Manufacturing Platform™ (DMP) and Digifleet™, among others.
- Selected by a **leading American provider** of higher educational services and products for Infrastructure Managed Services. TCS will transform their current operating model with a Machine First™ approach and automation capabilities and platforms leveraging Cloud Exponence™ and Cognix™, coupled with strong contextual knowledge to establish NextGen IT operations with continued focus on service improvements and advanced automation. This will enable value maximization and agility, improve user experience, and drive operational excellence.
- Selected by **Burgan Bank**, a leading commercial bank in Kuwait, to redefine customer experience and create a modern core banking solution that strengthens its position as a pioneer of progressive banking in the region. The bank will deploy [TCS BaNCS™](#) to consolidate multiple standalone legacy applications into a contemporary universal banking solution that drives innovation and strengthens customer relationships. The solution will come pre-integrated with TCS BaNCS' digital and core banking, payments and wealth management, and partner solutions for CRM, finance and risk reporting, including compliance.
- Set up a **Global Artificial Intelligence (AI) Center of Excellence in Paris**, which will focus on the brain-machine interface, developing empathy in machines and unleashing the creativity of AI. The center will leverage TCS' global ecosystem of startups, academia, and research organizations to bring the best of global capabilities to French companies. The impact areas shall include some of the key priorities listed in France's National Strategy for AI, as part of the France 2030 plan.
- Chosen as a strategic partner by a **leading American home improvement retailer**, to establish a Next-Gen technology and data architecture landscape to transform to an AI ready enterprise. TCS will leverage its contextual knowledge, thought leadership, technology capabilities and a cloud first approach to enable the complex transformation of customer experiences, interconnected retail, stores modernization, merchandizing & supply chain, finance and data & insights. This will create a clear differentiation against their competitors, drive efficiency and improve resilience.

Customer Speak

"This digital transformation initiative is an important enabler for reinventing our operating model to simplify our geographical, offering, and operational footprint while transforming our

clients' experience. We believe TCS is the right partner to deliver such a complex program given their proven experience both within Xerox and across the industry."

Tino Lancellotti, Chief Information Officer, Xerox

"We have embarked on a very broad technology and digital transformation journey that will create an integrated banking ecosystem; one that not only meets the current market expectations but also exceeds them. Modernizing our core systems will support our ongoing focus on innovation and delivering value to our customers through defining personalized offerings and intuitive, streamlined experiences. This will pave the way for sustainable growth. We have selected TCS BaNCS, which is widely used by banks in the region, to create a complete solution that will address our twin objectives of leading innovation and delivering excellent customer experience."

Tony Daher, Group Chief Executive Officer, Burgan Bank

"PostNord and TCS share a strong partnership that spans many years. TCS's ability to combine research and modern technology to create innovation is something I value highly in our collaboration. The fact that some of our joint innovations and ground-breaking projects have received attention and won innovation awards is further proof of this."

Christian Oestergaard, Lead Visionary, PostNord

"Banking made simple leading to seamless customer experience is our priority at ING. Therefore, we embarked on a journey to modernize our technology landscape, provide users with enhanced digital experiences, and partnered with TCS to future-proof and simplify our technologies and business applications. This modernization initiative enables us to minimize operational and licensing costs, simplify technology stack and lower our carbon footprint."

Bahadir Samli, CIO, ING Belgium

Research and Innovation

As on **June 30, 2024**, the company has applied for **8,194** patents, including **154** applied during the quarter, and has been granted **4,146** patents including **227** granted during the quarter.

Human Resources

TCS' workforce stood at **606,998** as on June 30th. The employee base is very diverse, with **35.5%** women and with **151** nationalities.

TCSers have clocked **11 million** learning hours and acquired **1.2 million** competencies. IT services' attrition was at **12.1%** for the last twelve months.

Awards and Recognition

- Named among **Top 50** brands in **Kantar BrandZ Most Valuable Global Brands** report, showcasing a brand value growth of 7% in the past year, touching \$44.79 B.
- Ranked **#1** in **Top Companies to Work for in India 2024** by **LinkedIn**; Featured in LinkedIn Top Companies to Work for List in UK and Switzerland.
- Named as one of the **100 Best Companies to Work for in Spain in 2024** by **Forbes Spain**, for the second consecutive year.
- Recognized as one of the **50 Most Community-Minded Companies** in the **United States**.
- TCS North America won the **Golden Bridge Awards 2024** in two categories—**Gold** in **Outstanding Employee Engagement Strategy** and **Silver** in Diversity achievement and capability enhancement through mindset shifts.
- **TCS CodeVita** won the **Business World Merit Award 2024** from **Business World** under the **Persistent Long Running Campaign** category.
- Won the **Global System Integrator Award** at the **FICO Partner Awards 2024** for deep domain expertise.
- Won the “**BPO Service Provider of the Year Award**” at **Shared Services and Outsourcing Networking SSON's 24th Annual European Impact Awards** in Lisbon, Portugal.
- Ranked **#6** in **North America's Top 100 Inspiring Workplaces** by **The Inspiring Workplaces Group Ltd** for TCS' 'people-first' approach.
- Ranked **#2** in **CRN Magazine's Annual Solution Provider 500 List** in North America.
- Awarded the **Social Impact Partner of the Year Award** by **Automation Anywhere** for exemplified brilliance and responsibility towards customer success.
- Won **Gold** in **Most Committed to ESG** and **Most Committed to DEI** categories at the **Finance Asia's Best Companies Poll 2024**.
- Awarded **Platinum** in **Best Country Excellence – Thailand and Philippines** at the **16th Annual Global CSR & ESG Summit and Awards** by **TPGI**.
- Won the **Energy Efficiency Initiative Award** at the **Business & Finance ESG Awards** by **Climeaction** in Ireland, for delivering energy-efficient excellence at the TCS Global Delivery Centre in Letterkenny.
- Ranked **#1** in the **DCH Annual Ranking** for **companies committed to promoting young talent** in **Latin America**.
- Recognized with three **2024 Google Cloud Partner of the Year Awards**, one each in **Global Expansion, Data Management** and **Talent Development for APAC**.

- Awarded the Global System Integrator (GSI) **Microsoft Partner of the Year Award** in Denmark and Canada.
- **TCS Ultimatix DevOps Center of Excellence (CoE)** won the **DASA DevOps Awards 2024** in the Best Transformation Team category.
- Awarded the **Regional Winner for APAC** at the **IBM AI for Business 2024 Partner Awards** for scaling and accelerating the impact of AI through applications, automating workflows, and driving business value.

Implementation Investments

Hexagon digital twin helping town of Hofbieber meet climate goals

11 July 2024

The German municipality of Hofbieber is working with Hexagon's Safety, Infrastructure & Geospatial division to create an urban digital twin that will monitor the town's progress toward reaching carbon neutrality by 2030.

The digital twin uses environmental data to replicate the physical municipality, with 3D simulations ranging from CO2 emissions to heat disbursement and flooding risks.

Mainly larger cities use digital twins for environmental modelling and planning, but the leadership of 6,300-resident Hofbieber -- about 100 kilometers northeast of Frankfurt -- hopes to set an example for small towns working against climate change.

In addition to reaching climate goals, Hofbieber could see higher property values, lower insurance rates and increased economic development and tourism because of environmental and urban management made possible by digital twin modelling.

"The aim of the municipality of Hofbieber is to achieve climate neutrality by 2030, and the digital twin is an integral part of making the municipality ready for the future," said Mayor Markus Röder.

By tracking its CO2 emissions with a digital twin, Hofbieber can monitor and compare its progress to other municipalities. The digital twin can also be programmed going forward to simulate flooding risks, heat islands, wind pathways, traffic and more for the municipality.

Other larger cities where Hexagon has created digital twins include Klagenfurt and Villach in Austria and Kanton Zug in Switzerland. The smaller footprint of Hofbieber -- 87 square kilometers -- allowed Hexagon to create a digital twin for the first time using aerial images obtained using drone flights rather than traditional aerial photography.

"It's not only large cities that can take advantage of digital twin technology," said Maximilian Weber, senior vice president, EMEA, for Hexagon's Safety, Infrastructure & Geospatial division. "Hexagon is proud to help cities of all sizes create a more sustainable environment and meet their climate change goals with our groundbreaking solutions."

The digital twin work is being done in cooperation with KC Becker, one of Hexagon's local partners for municipality work. Hofbieber is a longtime user of Hexagon's GeoMedia Smart Client solution for mapping and geographic information systems workflows.

Infosys Collaborates with Sector Alarm to Fuel Growth through Cloud-based Microsoft Dynamics ERP

9 July 2024

Infosys, a global leader in next-generation digital services and consulting, announced a strategic five-year collaboration with Sector Alarm, one of Europe's leading providers in security, who are partially owned by global investment firm KKR, to transform their core enterprise business systems on the cloud. Through this collaboration, Infosys will work closely with Sector Alarm to migrate their disparate, on-premises Enterprise Resource Planning (ERP) platform onto Microsoft Dynamics 365 Finance and Operations (F&O), helping them modernize their financial and business operating models. Capitalizing on Infosys' digital transformation capabilities, the Microsoft platform will enable Sector Alarm to streamline finances, gain business insights, and help seamlessly integrate with their existing CRM platform.

Infosys was chosen by Sector Alarm for its proven track record in the Nordics region, experience with PE customers, deep domain expertise in cloud-powered ERP transformation, and next-gen Application Management Services (AMS). By leveraging the power of Infosys Cobalt, a set of services, solutions and platforms for enterprises to accelerate their cloud journey, the Microsoft Dynamics 365 F&O will also help Sector Alarm to streamline business processes, enable higher customer retention and acquisition, improve customer experience, protect employee experience, and reduce Total Cost of Ownership of new systems. The Microsoft Dynamics 365 F&O implementation will take place in a phased manner across eight European countries, including Norway, Sweden, Finland, Italy, and France.

Lorenzo Bianchi, Chief Digital Transformation Officer, Sector Alarm, said, "At Sector Alarm, we are committed to continuous growth and to providing exceptional security solutions to our customers. Partnering with Infosys on implementing cloud-based ERP solutions, coupled with their strong collaboration with Microsoft, is a strategic step towards achieving this goal. Infosys' expertise will give us the scalability and operational efficiency needed to seamlessly scale our business and reach new heights."

Jasmeet Singh, EVP and Global Head of Manufacturing, Infosys, said, "This collaboration with Sector Alarm is a testament to Infosys' expertise in driving digital transformation for high-growth organizations. By leveraging cloud-based ERP and CRM solutions and our long-term partnership with Microsoft, we are looking forward to empowering Sector Alarm with a robust IT platform to achieve their ambitious growth. With this key win, we are well poised to establish ourselves as a trusted partner in the European security systems market."

Jaanuu Scrubs Up Data Management and Collaboration with Centric PLM

9 July 2024

Centric Software® is pleased to announce that premium scrubs brand Jaanuu has reported impressive results with Centric PLM™ and is releasing a success story to celebrate. 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.

Co-founded in 2013 by Dr. Neela Sethi Young, a pediatrician and her brother Shaan Sethi, Jaanuu sells premium scrubs, scrub jackets and underscrubs for medical professionals. Jaanuu is based in California and primarily retails direct-to-consumer through their e-commerce site to the North American market. Jaanuu expanded into wholesale sales in 2023, and also has a B2B business.

Jaanuu has grown rapidly, and the brand needed to digitalize and centralize their product design and development processes in order to continue evolving.

“When new team members came on board in 2022, it really was the land of Excel, and it wasn’t manageable,” says Stephanie Jane Scott, SVP Creative Director at Jaanuu. “It was difficult for us to know the history of Jaanuu when everything was in folders and shared drives. We needed a centralized location for data.”

Since implementing Centric PLM in 2022, Jaanuu has developed a central platform for product data and communication, streamlined tech pack creation, reduced spreadsheets by over 40% and built accountability and traceability into the product development and design process.

“In terms of communicating cross-functionally and externally, it’s a vast improvement from where we used to be. Having a centralized location for all product-related information means that tasks such as updating sketches and creating data sheets are much more efficient now. Creating and sending out tech packs is streamlined and centralized. We save about 50% of the time we usually spend creating BOMs, since we carry forward and reuse templates instead of starting from scratch for each style.”

“It has definitely helped us with accountability and knowing where things are, who owns what and what stage it is at. That makes the business much more secure, as we are able to see what needs to be done instantly and information is not lost as the team evolves over time, for instance.”

With plans to integrate Centric PLM with their ERP and e-commerce solutions in the future, Jaanuu is saving time, tracking data more effectively and building a foundation to ramp up omnichannel sales while maintaining their position as a disruptive, style-conscious, high-quality scrubs brand.

“We are very pleased that Jaanuu is experiencing such great results with Centric PLM,” says Chris Groves, CEO of Centric Software. “Jaanuu is an exciting and innovative brand in the

medical apparel space, and we look forward to deepening our collaboration in the years to come.”

Plex, by Rockwell Automation Chosen as Partner by Somic America, Inc. to Modernize Technology Systems

9 July 2024

Early in the process, Somic tapped outside consulting to assess several key initiatives. This exercise led to a strong recommendation to replace and modernize their existing, disconnected and antiquated systems. Somic dug deep into its processes and detailed the many areas of improvement which are possible with modern, integrated ERP and MES platforms. Three major pillars came to light in the process. First, disconnected systems produced disconnected data, which was difficult to collect and analyze. Secondly, technology for production control was not optimized. And finally, an actionable, fully integrated quality management solution was missing.

After discovering that its data was not trustworthy, Somic went even deeper to realize that data aggregation was both burdensome and labor intensive. This led to inefficient planning and scheduling, and a lack of visibility to work-in-progress inventory. These factors, among others, gave way to selecting Plex, by Rockwell Automation, to realize benefits across multiple workstreams: order to cash, procure to pay, production scheduling, asset management & maintenance, automated data collection, quality management, inbound and outbound electronic data interchange (EDI), and accurate deliveries to customers.

With its established presence in the automotive supply chain, and its ability to offer world-class application solutions in the cloud, Plex is providing Somic with a connected plant floor, digital production tracking, and real-time dashboards which will support Somic’s initiatives for growth and efficiency.

“The choice to select Plex, by Rockwell Automation came at the perfect time in our modernization journey,” said Frank Alley, vice president, finance & administration, Somic America, Inc. “We are so pleased that we decided to audit and understand our existing systems first. This gave us the best information on what we need for our future state. Then, the real drivers for selection are the anticipated benefits of utilizing Plex’s end-to-end ERP and manufacturing solutions, across a single, connected database and a common user experience for our associates. We are looking forward to partnering with Plex, as we embark on our digital transformation journey.”

“From the Plex side, my team was given unfettered access across several functional departments at Somic; to delve deep into current processes and future needs,” said Jim Webster, account manager, Plex, by Rockwell Automation. “When we spoke with Somic and found out where we could move the needle, the benefits of our smart manufacturing suite took center stage as we demonstrated a strong case for change through efficiency gains and access to real-time information.”

While establishing a platform for growth at Somic America, Plex, by Rockwell Automation provides the following benefits to its manufacturing customers:

- Single, modern enterprise resource planning (ERP), manufacturing execution systems (MES), quality management systems (QMS) and electronic data interchange (EDI) platforms
- Connectivity to machines on the plant floor, producing real-time data
- Streamlined production planning and scheduling
- Robust inventory planning and visibility
- End-to-end product traceability and genealogy
- Clear visuals from dashboards providing instant and accurate feedback
- Automating tasks, preventing errors, enforcing discipline
- Full program and project accounting
- Supplier performance, order management and chargebacks in a single system
- Centralized and flexible labeling system
- Digital platform to plan and execute operator training

Siemens and Boson Energy enter agreement to accelerate the green energy transition through waste-to-hydrogen (to-X) technology

3 July 2024

Boson Energy and Siemens AG have signed a Memorandum of Understanding (MoU) to facilitate collaboration on technology that converts non-recyclable waste into clean energy. The collaboration aims to advance sustainable, local energy security, enabling hydrogen-powered electric vehicle charging infrastructure without compromising grid stability or impacting consumer prices.

"We are excited to join forces with Siemens in our ambition to make a difference in society and support global decarbonization with our Waste-to-X solution," said Jan Grimbrandt, CEO of Boson Energy. "Siemens, with its unique capabilities of people and technology, gives Boson Energy 'unlimited' capacity to scale and reach markets from Berlin to Delhi and beyond – from day one."

Siemens offers technology for every step of sector coupling, from initial chemical processes to the final charging stations. Its portfolio covers all required products, solutions, and services in automation, electrification, and instrumentation. As a technology partner, Siemens will assist Boson Energy in building a blueprint to create a scalable and repeatable solution, by applying the latest technology within digital services and software for optimization, standardization, and simulation during both the manufacturing and operational phases.

"We look forward to supporting Boson Energy with our portfolio to contribute to a more sustainable circular economy," said Axel Lorenz, CEO of Process Automation at Siemens Digital

Industries. "Digitalization and automation are crucial for building and scaling production capacities - even more so for complex processes such as thermochemical recycling."

Combating climate change is one of the biggest challenges of our time. Addressing the challenge, Boson Energy contributes toward decarbonization with its distributed production of local energy and chemicals – turning non-recyclable waste into a sustainable hydrogen that is cost-competitive to fossil fuels at point of use. It does this by integrating its Hydrogen by Plasma Assisted Gasification (HPAG) technology into an 'energy hub' solution that realizes the important circular hydrogen potential of waste in a uniquely sustainable way. The hydrogen produced can support off-grid applications such as fast charging and facilitates more reliable grid operations.

"The collaboration with Boson Energy represents a significant step forward in our commitment to advancing technologies toward CO₂ reduction," said Stephan May, CEO of Electrification and Automation at Siemens Smart Infrastructure. "By leveraging the breadth of our comprehensive portfolio, we aim to create a scalable and efficient model for converting waste into clean hydrogen. This collaboration not only addresses the urgent need for local energy security but also contributes to reducing the global carbon footprint, paving the way for a more sustainable future."

Boson Energy is targeting more than 300 plants in order to produce 1 million tons of circular hydrogen from waste by 2030 – avoiding up to 30 million tons of CO₂ emissions per year. Starting in Sweden, Poland, and Germany, then continuing throughout Europe, Boson Energy is aiming for a global presence.

The Memorandum of Understanding was signed during theACHEMA Fair in Frankfurt by Axel Lorenz, CEO for Process Automation, and in advance by Stephan May, CEO for Electrification and Automation at Siemens.

Simulations Plus Announces New Research Project with the International Collaboration on Cosmetics Safety

11 July 2024

Simulations Plus, Inc. ("Simulations Plus"), a leading provider of biosimulation, simulation-enabled performance and intelligence solutions, and medical communications to the biopharma industry, announced a newly funded research project with the International Collaboration on Cosmetics Safety (ICCS) to evaluate the use of physiologically-based kinetic (PBK) modeling approaches to advance animal-free science for cosmetics and other non-pharmaceutical ingredients.

In a competitive bidding process, Simulations Plus was selected for its proposal to establish workflows for probabilistic PBK modeling of new chemicals based on pharmacokinetic (PK) analogs. Simulations Plus will review ICCS-provided data, select target-source pairs based on similarity criteria, build PBK models for source chemicals, and apply these in virtual populations to predict exposure for target chemicals. The results and best practices will be published.

“We are excited to partner with ICCS and its membership, which includes major cosmetics and consumer product companies, ingredient suppliers, trade and research organizations, and animal welfare NGOs. Our mutual goal is to expand the use of PBK models for the safety assessment of new chemicals developed in an animal-free paradigm,” said Dr. Priyata Kalra , Senior Scientist at Simulations Plus and principal investigator for this collaboration. “Using data from ICCS, we will collaboratively develop a PBK-based read-across concept for various chemicals and exposure routes (intravenous, oral, dermal) across virtual populations of different species (humans and rodents). This partnership is expected to result in general workflows and guidance for implementing this approach in animal-free safety assessments.”

“We have pioneered the integration of machine learning with PBK models, coupled with limited *in vitro* data, to accurately predict safety exposure levels in animals and humans,” added Dr. Maxime Le Merdy, Director of PBPK Research & Collaborations at Simulations Plus. “We believe our expertise in this space, combined with ICCS’s commitment to advancing animal-free research and development, will help drive innovation in the non-pharmaceutical markets we serve. As a recognized global leader in modeling and simulation, we look forward to collaborating on this important research project that will help establish best practices and a comprehensive framework as valuable guidance tools for companies and regulatory agencies.”

State of Baden-Württemberg to source data analytics and AI services from Bechtle

9 July 2024

Bechtle has been awarded a contract by the state of Baden-Württemberg to deliver data analytics and artificial intelligence (AI) services for its e-government projects. The objective is to drive the ongoing digital transformation of public services and the government administration as a whole through the ability to harvest, validate, analyse and interpret data from a variety of sources paired with AI capabilities. The lot includes a framework agreement for data analytics and AI services with a volume amounting to up to six million euros.

Through various e-government initiatives, the state’s Ministry of the Interior, Digitalisation and Local Government is focused on streamlining internal administrative processes, enhancing communication across administrative levels, modernising registries, and aligning with federal standards. Bechtle’s experts for data analytics and AI will be closely involved in related e-government projects.

Germany’s largest IT system house will assist the state in analysing large volumes of data, ideally through automation, to identify trends and patterns. Insights derived from data analytics will then inform other e-government projects aimed at advancing the government’s digital transformation overall.

In addition, Bechtle experts will consult the government on ways to integrate AI capabilities into a specific software application and unlock further added value. Both generative AI and machine learning may be used in related assessments, prototyping and solution designs, with a particular focus on IT security and data protection.

“Data analytics and artificial intelligence are becoming increasingly pivotal in digitalisation projects, driving innovation and developments with immense potential for the public sector,”

says Jochen Rummel, Managing Director, Bechtle IT System House Neckarsulm. “We are excited to support Baden-Württemberg in the ongoing implementation of the state’s e-government strategy. With our expertise and extensive experience, we aim to play an active role in creating future-ready services and processes for all stakeholders, including citizens, local businesses and government employees.”

Product News

12d Synergy streamlines CAD drawing management in BricsCAD®

11 July 2024

Bricsys®, global provider of computer-aided design (CAD) and collaboration solutions, in partnership with 12d Synergy, announced an integrated plugin for BricsCAD® that streamlines CAD drawing and data management on horizontal and civil infrastructure projects.

Developed with Bricsys’ same commitment to open standards, the 12d Synergy plugin integrates into a centralized common data environment to edit and update project files, documents, and drawings. 12d Synergy is ISO 19650 compliant for the civil engineering and construction sectors, and the plugin solves the principal challenges when multiple teams collaborate across the AEC and Civil trades - drawing management, data integrity, and file size.

With fast integration to files from the BricsCAD ribbon, the bi-directional tools simplify version control and maintain data integrity across tasks, such as checking drawings in and out, connecting to a centralized data storage designed for heavy geospatial data. Joel Gregory, Chief Executive Officer at 12d Synergy, spoke about the capabilities saying:

12d Synergy is excited to deepen our long-standing partnership with Bricsys. We look forward to seeing more BricsCAD customers using the bi-directional integration, which will help seamlessly share and reduce the time spent on CAD Management.

To remove design repetition, drafters and designers can update blocks and drawing registers on 12d Synergy without leaving the BricsCAD interface. Commenting on workflow productivity gains, Patrick Williams, Vice President of Global Sales at Bricsys, said:

The ribbon integration speeds up CAD updates and safeguards drawing integrity for our AEC customers. We look forward to welcoming more 12d Synergy customers to accelerate their workflows on BricsCAD.

Altair Releases Altair® HyperWorks® 2024

10 July 2024

Altair, a global leader in computational intelligence, announced the release of Altair® HyperWorks® 2024, the market’s leading platform for design and simulation. The latest release delivers significant advancements in artificial intelligence (AI)-powered engineering and business, mechanical and electronics systems design, and simulation-driven design and optimization.

“Altair HyperWorks 2024 is the only platform offering a unified, modern user experience across any geometry, physics, and complexity and at every stage of the product development life cycle from design to in-service,” said James R. Scapa, founder and chief executive officer, Altair. “With AI-embedded workflows, game-changing photorealistic graphics, and a unified back-end data system, Altair HyperWorks is the foundation upon which many of the world’s most innovative digital engineering practices are being built.”

AI-Powered Engineering and Business

Providing the data backbone essential for AI enterprises, Altair HyperWorks 2024 unleashes AI across every step of the product life cycle. Seamlessly embedded AI in design and simulation tools accelerates exploration, while engineer-friendly, HPC-fueled workflows augment the human-AI relationship. Altair HyperWorks 2024 deepens these capabilities, enhancing processes from design to in-service operations, giving users the ability to:

- Accelerate design exploration and iteration with generative design capabilities in Altair® HyperMesh®.
- Conduct effortless thermal analysis in Altair® SimLab® through 'what-if' studies using real-world data from Altair® physicsAI™ models to make design of experiments (DOE) more efficient.
- Rapidly predict behavior with generative design in Altair® Inspire™ to maximize efficiency in both design and manufacturing while ensuring top performance.
- Focus more on innovation, benefiting from dramatically faster training times and enhanced AI-powered capabilities. Engineers can train physicsAI models with a single click on Altair Drive utilizing the scalable HPC and cloud resources of Altair One®. This eliminates infrastructure barriers and accelerates design exploration with advances in AI accessibility.

Leading the Engineering User Experience

Altair HyperWorks 2024 brings forth a paradigm shift in engineering. Through an AI-powered, modern experience, productivity is enhanced by intuitive workflows, efficient design environments, game-changing photorealistic graphics for better visualization, and a unified back-end data model. With support for Python and C++, Altair HyperWorks ensures seamless integration with more than 250 CAD systems, solvers, and file formats, removing interoperability bottlenecks while empowering engineers with extensive scripting capabilities to customize the platform and automate repetitive tasks.

One Source of Truth: Digital Engineering

Altair integrates digital twins and digital threads to create a digital engineering ecosystem, providing one source of truth that ensures engineers have access to the most accurate real-time data and models. The latest updates to Altair® Twin Activate® enhance models’ accuracy and clarity and include customization and integration improvements that expedite the transition from concept to reality.

Additionally, Altair® Material Data Center™ augments the design process by offering more than 72,000 high-fidelity, CAE-ready material datasets, empowering alternative material exploration throughout the product development life cycle with one traceable digital thread.

Mechanical and Electronic System Design

Altair HyperWorks 2024 focuses on elevating design fidelity and streamlining engineering workflows with robust integration and automation capabilities. It includes:

- Enhanced productivity with Python API in HyperMesh, empowering engineers to automate routine tasks, tailor their CAE environment with custom plugins, integrate with other tools, and access a vast support network through the Python community.
- Accelerated electronics system design perfection from the start with SimLab. Through the Ultra Librarian integration, users get faster, more accurate 3D printed circuit board (PCB) modeling. Users can predict and enhance PCB lifespan with fatigue life simulations, analyze electric motors using advanced multiphysics analysis, and simulate diverse materials to understand fluid flow dynamics.
- Meshless ECAD simulation with Altair SimSolid®, transforming mechanical and electronics systems into smart, connected realities, from requirements to embedded systems, with new solver capabilities for multi-disciplinary electronics. It empowers users to seamlessly transition from ECAD to simulation, optimizing the analysis of complex PCB and integrated circuit (IC) models without the need for traditional meshing or design simplifications.

Simulation-Driven Design and Optimization

As the most comprehensive simulation-driven design solution for design, performance analysis, and manufacturability, Inspire reinforces its market-leading position. Starting with a sketch, users can build or edit geometries with parametric B-Rep solids, polyNURBS, facets, and implicit modeling. It features analysis tools for structural, fluid dynamics, and motion studies, complemented by designer-friendly computational physics for detailed analysis across various manufacturing processes. Inspire also integrates powerful technologies like generative design, meshless simulation, and physicsAI for rapid behavior prediction, maximizing design and manufacturing efficiency while ensuring top performance.

Breaking news: 3Dfindit revolutionizes engineering with brand new browser extension CAD SCOUT 3Dfindit

9 July 2024

CAD SCOUT 3Dfindit simplifies web component search for engineers, designers and planners

The new **CAD SCOUT 3Dfindit** browser extension offers its users a new feature. The latest development from the CADENAS Innovation Lab takes component search for engineers, designers and planners to a new level.

The early birds among you can already use the full functionality in Google Chrome and Microsoft Edge, other browsers will follow soon. Best of all, it's free for you.

Finding the right part can be a headache for even the most experienced engineers. CAD SCOUT 3Dfindit makes your daily work easier by saving you valuable time and increasing your efficiency at the same time.

When you find a part on a website, CAD SCOUT displays the matching parts in 3Dfindit. You can easily download the parts in over 100 CAD, CAE and BIM formats. No more tedious web searches for design data on different manufacturers' websites. It also eliminates the need to create new components.

How to use CAD SCOUT 3Dfindit?

1. Install the extension from your browser's web store: Google Chrome or Microsoft Edge.
2. When you are on a website that displays the part you are looking for, launch the tool via the extension button.
3. Select one of the CAD SCOUT search results and download it directly in over 100 CAD, CAE and BIM formats.

Extension from Google or Bing

CAD SCOUT can also complement your search in Google or Bing. Just enter your search term in the search bar and open the new browser extension at the same time. You will immediately receive comprehensive and detailed results for matching 3D models on 3Dfindit.

Pro tip: Great addition to ENTERPRISE 3Dfindit

The extension is free and quick to install. It is also easy for all ENTERPRISE 3Dfindit customers to use. Designers can use the free web access, but the tool takes them back to the company's internal parts world.

CONTACT Elements' new Workflow Designer

10 July 2024

CONTACT Software has fundamentally optimized an essential IT tool in the day-to-day work of many companies. The new version of the Workflow Designer is significantly faster and easier to use in the web browser than before.

The CONTACT Elements platform offers an ISO 26262-certified workflow management tailored to collaborative processes in development and manufacturing. With the Workflow Designer, users can visually map sequential or parallel operations, easily involve responsible persons, and provide them with all necessary documents and contextual information. This allows them to quickly initiate tasks such as technical changes, approval or authorization procedures across departments, transparently track their status and results, and document each step in the central database in an audit-proof manner.

The next CONTACT Elements release will be launched in September. As part of further developing the technology platform and its specialist applications, the Workflow Designer has undergone a comprehensive redesign. "Its new version now matches the look and feel of our

other web applications,” says Christian Sorgatz, Principal Software Engineer and one of the project members.

Modelling processes faster

CONTACT's team has retained the basic structure of the application: the workflow structure including tasks is displayed as a graph on the left, while the detail area with additional information is shown on the right – both featuring noticeable improvements in terms of usability. In addition, the increased performance of the new Workflow Designer has a positive overall impact on the user experience.

The graph offers new assistance functions, including the minimap (top left) for quick orientation and navigation or a continuous zoom function. It now displays the constraints directly before each task to make their effects visible immediately.

In addition, process managers can now create tasks simply by clicking a plus button at the appropriate place. The familiar Workflow Designer selection box remains as a supplement. CONTACT has also revamped the cards representing tasks. Their color-coded information indicating the current task status now offers higher contrast and includes various icons, which help visualize the status for persons with red-green color deficiency.

Simplified use

The improved detail area is consistent with CONTACT's other web applications by now providing all workflow data in dedicated tabs. This makes the position of specific content clearer and the user interface more organized. Process managers find all interaction options for assigning constraints and other operations on the task cards in this area. They can also use the context menu as an alternative to select one or more tasks and assign responsibility for them to a role or person.

Other improvements include the fact that the CONTACT Elements platform now fully supports all administrative functions in the Web UI and system tasks can be integrated directly into dialogs such as “Change” via its Universal Classification. The functionally and technically optimized Workflow Designer will be presented in detail at CONTACT Open World 2024 in November. Customers can use the new version earlier, as the next Elements release will be published in September.

EON Reality Revolutionizes Personalized Learning with New Adaptive Learning Paths

4 July 2024

EON Reality, the world leader in AI-assisted Virtual Reality and Augmented Reality-based knowledge transfer for industry and education, today announced a groundbreaking enhancement to its EON-XR platform, Adaptive Learning Paths. It is a revolutionary feature that personalizes the educational journey for each user, marking a significant leap forward in experiential learning technology.

This new functionality builds upon EON Reality's existing suite of products, which includes EON-XR for creating extended reality experiences and EON-AI for generating comprehensive learning content. The Adaptive Learning Paths feature takes personalized education to the next level by tailoring the learning experience to each individual's knowledge, goals, and progress.

Key features of the Adaptive Learning Paths include:

- **Personalized Learning Progression:** Automatically generates a customized series of lessons based on the user's profile and initial knowledge assessment.
- **Multi-Level Content:** Offers lessons across various difficulty levels, from beginner to expert, ensuring learners are always appropriately challenged.
- **Dynamic Path Adjustment:** Continuously calibrates the learning path based on user performance and feedback, ensuring optimal knowledge acquisition.
- **Comprehensive Topic Coverage:** Utilizes advanced knowledge mapping to ensure thorough understanding of chosen subjects.
- **Flexible Learning Options:** Allows users to focus on specific skills or follow recommended sequences, catering to diverse learning preferences.

"With Adaptive Learning Paths, we're not just creating lessons; we're crafting personalized educational journeys," said Dan Lejerskar, Founder of EON Reality. "This technology represents a paradigm shift in how knowledge is transferred, making learning more efficient, engaging, and tailored to individual needs."

The new feature integrates seamlessly with EON Reality's existing XR and AI technologies, leveraging immersive environments, 3D models, and interactive simulations to enhance the learning experience. It's designed to benefit a wide range of users, from K-12 students to corporate trainees and higher education learners.

EON Reality's Adaptive Learning Paths are set to transform various sectors, including education, corporate training, and professional development. The technology is now available as part of the EON-XR platform, with ongoing updates planned to further refine and expand its capabilities.

EON-XR 10.2 Update Launches with Revolutionary SoftSkills Module and Spatial AI Features

8 July 2024

EON Reality, the world leader in Augmented and Virtual Reality-based knowledge and skills transfer for industry and education, is excited to announce the release of EON-XR 10.2. This latest update delivers groundbreaking enhancements and features that significantly elevate the capability and interactivity of immersive learning experiences.

EON-XR 10.2 introduces a series of transformative features that are already revolutionizing how instructors and students engage with material in XR:

- **EON SoftSkills**

The EON SoftSkills module just became even more powerful with the integration of the sophisticated GPT-4o (Omni) language model, providing:

- A marked increase in response times—now 2-5x faster.
- Highly engaging AI Roleplay Avatars for lifelike training scenarios.
- Advanced and accurate assessment capabilities to measure soft skill proficiency.

- **EON-XR Portal**

This new portal serves as your springboard into the world of custom AI Assistants. Create and edit AI entities that can interact naturally within both physical and virtual spaces.

- **Express Creation**

Turn any static image into a complete, interactive lesson in moments with our innovative Express Creation feature. It's never been this easy or fast to build an XR lesson from just an image!

- **EON AI Ready**

EON Reality listened to user feedback and improved the editing features in EON AI Ready. Now you can easily swap out AI-generated 3D objects or 360° environments without losing your annotations, making the editing process faster and more efficient.

- **AI-Generated 360 Environments**

Experience our breathtakingly realistic new 360 environments, with superior realism, higher quality, better control, and native 6K resolution, courtesy of Blockade Labs' Model 3. Your educational and training simulations will reach new heights of immersion.

- **Automatic Collision Detection**

Our latest feature ensures that 3D simulations adhere to real-world physics, preventing unrealistic walkthroughs and interactions within virtual settings.

“These features showcase EON Reality’s dedication to not only meet the current demands of XR technology but to anticipate and shape the future of immersive education,” said Dan Lejerskar, Chairman of EON Reality. “With EON-XR 10.2, we are bringing the power of advanced AI and immersive environments to the fingertips of educators and learners across the globe.”

Complete with numerous bug fixes and user experience improvements, the EON-XR 10.2 release is setting a new standard in the industry. Educators, trainers, and XR enthusiasts now have new tools at their disposal to create deeply engaging and effective teaching and learning environments.

EPLAN Data Portal Update 01 July 2024

10 July 2024

492 manufacturers and more than 1,779,000 data sets are available with the update July 09, 2024.

Updates and new data

- ABB LTD – 180 new data sets with signal devices, sensors, switches and pushbuttons
- Balluff GmbH – 2 new data sets with sensors, switches and pushbuttons
- Banner Engineering Corporation – 70 new data sets with lights, sensors, switches and pushbuttons
- Baumer MDS GmbH – 116 new and 2 updated data sets with sensors
- Delta Electronics, Inc. – 174 updated data sets with converters
- FRABA GmbH – 19,130 new data sets with sensors, switches and pushbuttons
- Festo SE & Co. KG – 485 updated data sets with cables, cylinders, measuring instruments, PLC and valves
- KALEJA GmbH – 2 new and 2 updated data sets with amplifiers, contactors, controllers and relays
- KEYENCE CORPORATION – 35 new data sets with amplifiers, cables, controllers, PLC, sensors, switches and pushbuttons
- Klaus Faber AG – 913 new data sets with cables
- Murrelektronik GmbH – 50 new and 1 updated data sets with cables
- Omron Europe B.V. – 11 new data sets with amplifiers, controllers, sensors, switches and pushbuttons
- PHOENIX CONTACT GmbH & Co. KG – 139 new and 1,092 updated data sets with cables, PLC, plugs, protection devices, terminals, voltage sources and generators
- Pepperl + Fuchs AG – 24 new data sets with PLC
- Pilz GmbH & Co. KG – 62 new and 12 updated data sets with amplifiers, controllers, cables and terminals
- Rockwell Automation – 19 new data sets with housings, PLC, plugs, protection devices, terminals, voltage sources and generators
- Rockwell Automation (NFPA Data) – 19 new data sets with housings, PLC, plugs, protection devices, terminals, voltage sources and generators
- Schneider Electric SA – 19 new and 472 updated data sets with cables, protection devices and power switchgears
- Siemens AG – 5 new and 116 updated data sets with contactors, converters, PLC, relays, voltage sources and generators
- Rockwell Automation – 27 new and 54 updated data sets with contactors, PLC, relays and terminals
- TE Connectivity – 921 new data sets with generals and resistors

- Wago GmbH & Co. KG – 50 new and 1,890 updated data sets with busbars, converters, contactors, measuring instruments, plugs, power switchgears, relays, sensors, switches and pushbuttons, terminals, test devices and transmission paths
- Weidmueller Group – 56 new and 335 updated data sets with contactors, housing accessories internal extensions, housing, plugs, protection devices, relays and terminals

Summary

- 0 new manufacturer
- 21 updated manufacturer
- 21,843 new data sets
- 4,581 updated data sets
- 0 deleted data sets
- 21,599 new parts with EDS
- In total 1,192,843 parts with EDS
- In total 341 manufacturers with EDS parts
- In total 1,779,601 data sets live in EDP

GT-SUITE v2024.2 Released!

9 July 2024

Gamma Technologies is pleased to announce that the release candidate of **GT-SUITE v2024.2** is ready for download.

This build includes security updates to libraries used by GT-SUITE, as well as numerous robustness improvements across the software. This version contains developments that will keep you innovating regardless of your industry or focus area.

Here are a few key pieces of information regarding v2024 Build 2 and future builds:

- GT-SUITE's Release Schedule is being adjusted following this release to offer improved security for our clients. Details can be found in the "Release Schedule for GT-SUITE" and "Life Cycle of GT-SUITE" sections
- GT-SUITE's supported operating systems have been adjusted for v2024 Build 2. Please see details in the "Supported Platforms" section

Additionally, there are many updates specific to this build. Some feature enhancements and updates include:

- GEM3D can now generate surface meshes for GT-TAITHerm, often used for cabin and human comfort
- A new example that demonstrates modeling of the stop-start of an engine in a vehicle model

- The Hiroyasu soot model is available in GT-POWER-xRT for DIPulse
- Multiple “via points” are now allowed for route construction in GT-RealDrive
- dSPACE DS6001 boards are now supported on SCALEXIO HiL systems
- GT models exported as “mex” can now be compiled as executables from Simulink

To see a complete list, please view the “ChangeLog” from our download page or install GT and click the File -> Help -> View Changelog.

IMSI Design Releases TurboCAD® Mac 15

2 July 2024

IMSI® Design, a leading developer of CAD software solutions, announced the release of the TurboCAD® Mac 15 family of products. This latest release encompasses a range of editions for the Macintosh platform: Designer, Deluxe, Pro, and Platinum. TurboCAD® Mac continues to provide innovative tools for mechanical, 3D printing, hobbyist, makers, and architectural design communities.

TurboCAD® Mac 15 comes with more than 100 new features and improvements.

AI-Powered TurboCAD® Mac Copilot Technology

The TurboCAD® Mac Copilot feature introduces an AI-driven companion engineered to elevate the design journey. It serves four primary purposes:

1. Responding to help related queries how to use the software.
2. Delivering data-driven insights about CAD files.
3. Utilizing an extensive AI knowledge base for a wide range of questions.
4. Using Text to Image AI to create textures and backgrounds for photo rendering.

This integrated AI tool streamlines navigation, expedites the project's progress, and enhances design endeavors with insightful analysis. TurboCAD® Mac Copilot supports two levels: TurboCAD® Mac Copilot Help (free 1-year-subscription for all TurboCAD® variants) and TurboCAD® Mac Copilot Professional (available as 1-year-subscription service).

TurboCAD® Mac Copilot Professional includes “Talk to your CAD Data”, general AI access, and Text to Image. TurboCAD® Mac Copilot Professional is adept at handling diverse multilingual requests, from guiding through the initial steps of using TurboCAD® Mac to sharing intriguing details about a file or providing insights on design trends and principles.

“TurboCAD® Mac Copilot supports queries not only into documentation but also into the mathematical properties and attributes unique to CAD objects in a file. TurboCAD® Mac Copilot can find problems, locate unusual values, or create custom tables of any property.

TurboCAD® Mac Copilot enables a full interrogation of the design to a specific query, moving beyond the limitations of user interface buttons and menus,” said Tim Olson, Vice President of IMSI Design.

“With the launch of TurboCAD® Mac and the new TurboCAD® Mac Copilot feature, we’re not just participating in the technological revolution; we’re leading it. Artificial Intelligence represents a seismic shift in how we interact with technology, a leap forward that will transform every aspect of our lives. Our mission is to empower our users with the most sophisticated and user-friendly design tools available. By weaving AI into the fabric of our products, we’re not merely adapting to a new era—we’re crafting it. Our passion for innovation is relentless, and through AI, we’re unlocking a realm of potential that was previously beyond reach,” outlines Rita Buschmann, Senior Product Manager, CAD and Home Design.

Introducing TurboCAD® Mac Platinum

TurboCAD® Mac 15 introduces Platinum as an enhanced option for mechanical design, catering to those needing more sophisticated surface and solid modeling tools. The Platinum edition includes additional blending options such as curvature, three-face, and thumb weights. Enhanced edge treatments are available with features like flange, lips, and grooves. Surface modeling now includes commands such as tangent n-sided covers, pressure deform a surface/face, curvature blends, curvature edge matching, rebuild, insert know, and elevate. TurboCAD® Mac Platinum also offers more file support options including import options for CATIA v4, Pro-E, and VDA.

Precision Tools and Enhanced Modeling Capabilities

TurboCAD® Mac 15 includes numerous new and improved features to enhance precision and efficiency:

- **Split at Discontinuity:** Intelligently splits curves at points of discontinuity to ensure smooth modeling operations.
- **Blend Version Control:** Revert to previous blend settings for more control over design processes.
- **Convert Text to Surface:** Easily transform text into ACIS surface faces, expanding creative possibilities.
- **Shear Transform:** Apply shear transformations to curves, surfaces, and solids with precision.
- **Verify Clearance:** Accurately calculate the spatial clearance between solids for perfect component fits.

Advanced Layer Management

New to TurboCAD® Mac 15, Layer Sets allow for seamless management of layers, view orientations, and zoom levels, enhancing project transitions.

Fastener Library

The Fastener Library, now integrated within the Symbol tab, simplifies the insertion of ANSI-standard nuts, bolts, and washers into designs.

Enhanced User Experience and Interoperability

The in-app help system has been significantly updated. Clicking on a tool now displays associated help context in a dedicated help palette. The new startup screen and default-enabled Gripper enhance accessibility and user-friendliness, streamlining the design process. Additionally, new filters were added to support CATIA v4, PRO-E, and VDA.

Availability and Pricing

TurboCAD® Mac 15 is now available, offering a diverse array of design tools to meet the needs of various users and budgets. Our product lineup includes:

- **TurboCAD® Mac Platinum:** Our premier package, priced at **\$1,299.99**.
- **TurboCAD® Mac Pro:** Comes with a robust set of tools for intricate design work, available for **\$799.99**.
- **TurboCAD® Mac Deluxe:** Provides a comprehensive toolkit for a multitude of design projects, for **\$279.99**.
- **TurboCAD® Mac Designer:** Dedicated to 2D design, this is an ideal choice for those starting out, at an affordable **\$99.99**.

For those seeking a more dynamic design experience, **TurboCAD® Mac Copilot Professional** is offered with a **1-year-subscription** for **\$199.99**.

Additionally, our **Training and PowerPack bundles** are specially designed to complement and expand capabilities when working with TurboCAD® Mac 15.

Newforma Konekt OpenBIM Email Integration Introduces New Era of Collaborative Project Delivery

9 July 2024

Newforma, the leader in information management software, announces the world's first integration of email communication directly with the buildingSMART International openBIM format, an open international process supporting accessible, sustainable collaboration for all project participants. This breakthrough for the global architecture, engineering, construction, and owner-operator (AECO) industry allows a seamless transition of project discussion and decision-making from a single siloed inbox to the collaborative BIM environment.

The groundbreaking update to Newforma Konekt ushers in a new era of integrated project delivery by empowering users to convert email threads into actionable BCF issues; ensure all project stakeholders are on the same page with real-time updates; and streamline workflows by connecting discussions to 3D models and project plans.

"We're thrilled to announce Newforma's groundbreaking integration of the AECO industry's number one communication method, email, with the BuildingSMART BCF standard," said Carl Veillette, chief product officer for Newforma. "This is an achievement that sets a new benchmark in our industry. Our innovative solution Newforma Konekt has the unique ability to turn emails into actionable tasks, issues, and action items and locate them in BIM. This not only enhances productivity but also brings a new level of clarity and organization to project management. Furthermore, our Outlook add-in facilitates the creation of comprehensive

project records, a crucial feature that significantly mitigates risks and improves project knowledge transfer between team members. We believe these advancements will revolutionize the way our industry communicates and collaborates, and we're excited to lead the way."

Enhanced features of the Newforma Konekt openBIM integration allow users to:

- Transform email communications into actionable BCF issues that can be tracked and managed within the BIM environment.
- Provide all project stakeholders with the most up-to-date information so that everyone is on the same page at any point in the project life cycle.
- Connect discussions to 3D models and project plans, bringing communication into the same workflows as the rest of the project

The Newforma Konekt integration of email into openBIM supports a wide range of authoring software, including Revit, Archicad, Civil3d, AutoCAD and Tekla Structures, making it easier than ever to raise, track, and resolve issues from the design phase to onsite execution.

Founded in 2004, Newforma has been dedicated to empowering AECO companies with the means for connecting their people to the information they need. As a leader in information management, the company has made accessing information and generating an easily searchable complete project record simple. Over the past two decades, Newforma has grown to help over 1,200 AECO firms in 40 countries manage data on 4.6 million projects.

Plataine's AI Achieves Record Scale & Performance in Scheduling & Planning of Complex Manufacturing

9 July 2024

Plataine, a leading provider of AI-based optimization solutions for advanced manufacturing, proudly announces a groundbreaking achievement in exceptional scale of scheduling operations with its Practimum-Optimum™ algorithm. The AI-based Production Scheduler sets new records for fully automatic, optimized manufacturing scheduling in large scale and complex real-life scenarios.

Plataine's Practimum-Optimum™ Scheduler routinely handles demand sets with over 10,000 tasks, generating optimal schedules completely automatically. This scale and performance specifically stand out with complex operations involving multiple production lines, special machines such as autoclaves, multiple tool types and variable raw materials, as well as human capacity considerations and shift structures for the various resources. All these elements are connected by a complex set of operational requirements and constraints.

Compared to the majority of currently available scheduling products that max out at hundreds of tasks in fully automatic mode, Plataine's Scheduler offers a unique value proposition, allowing Plataine customers to meet both short term and long term goals. By supporting long terms scenarios, we enable our customers to make strategic decisions on staffing, equipment procurement, and supply chain management, resulting in on-time delivery while resolving potential capacity issues.

Plataine’s breakthrough in large scale scheduling was enabled by innovative machine-self-learning mechanisms that are integrated into the Practimum-Optimum™ algorithm. By learning patterns in the scheduling space, they enable focusing on the most promising areas of high-quality schedules, thus significantly accelerating the convergence to the optimal schedule presented to the user.

Recognizing that mathematically optimal schedules are not always practically optimal, Plataine’s Scheduler allows users to request changes to ‘practicalize’ the schedule. Leveraging unsupervised machine learning algorithms, these micro changes are integrated into the holistic optimal schedule in a way that minimizes the degradation of the macro-goal scores.

“The daily, weekly, and monthly schedules are the pivot of any manufacturing organization,” says Avner Ben-Bassat, President and CEO of Plataine. “With our innovative AI-based Practimum-Optimum™ Scheduler, we offer the most advanced, high-scale software for creating optimal and practical schedules that ultimately affect both the top and bottom lines, as well as on-time delivery. We are proud our customers are leveraging this breakthrough technology for both short-term tactical scheduling and long-term strategic planning”.

With this latest innovation, Plataine continues to lead the way in delivering cutting-edge solutions that drive efficiency, productivity, and profitability in advanced manufacturing. The combination of AI-driven optimization and practical adaptability results in optimal schedules that are valid for production, setting a new standard in manufacturing scheduling.

Release Announcement of Elysium 3DxSUITE EX10.0.4

4 July 2024

Elysium has released Elysium 3DxSUITE EX10.0.4.

Key Enhancement

Changed support of CAD versions

Product	Versions added in EX10.0.4	Supported Versions
CATIA V5 (Standalone) Importer	R34(V5-6R2024)	R10 – R34(V5-6R2024)
Creo Parametric (Plug-in) Importer / Exporter	11.0	4.0 – 11.0
Creo Parametric (Plug-in) Importer Drawing Option	10.0	4.0 – 10.0
Creo Elements/Direct (Plug-in) Importer / Exporter	20.7	20.0 – 20.7

Solid Edge (Plug-in) Importer	2024	2020 – 2024
JT (Standalone) Importer	v10.10	v6.4 – v10.10

Sage Introduces Streamlined Inventory Planning Tool for Small Merchants Exclusively on Shopify

10 July 2024

Sage, a global leader in accounting, financial, HR, retail and payroll technology for small and mid-sized businesses, announces the launch of Inventory Planner Essentials, a new tool from Inventory Planner by Sage designed specifically to meet the needs of small merchants.

Inventory Planner Essentials, initially available exclusively on the Shopify App Store, tackles a major pain point for small merchants: excess, unsold inventory. According to a recent Inventory Planner by Sage survey, the typical small merchant in the U.S. has around \$48,000 in unsold inventory on hand at any given time. This ties up valuable capital, hindering cash flow and limiting investment in new products and critical business needs. With entry-level demand forecasting and inventory purchasing capabilities, Inventory Planner Essentials makes accurate forecasting and reliable buying recommendations accessible to smaller businesses.

"Inventory Planner Essentials is crafted with the smaller merchant in mind, especially those using Shopify and operating from a single location," **says Rob Sinfield, SVP of ERP at Sage.**

"Rising inflation and interest rates are putting a strain on cash flow, and small merchants can't afford to tie up capital in unsold inventory. Whether you are a multitasking CEO or the first-ever inventory manager at your company, Essentials takes the guesswork out of inventory management, providing accurate forecasts and data-driven buying recommendations."

Inventory Planner Essentials addresses significant challenges for small merchants, such as overstocking and stockouts, which can lead to substantial financial losses. With actionable buying recommendations, small business owners can optimize their inventory levels and grow their operations confidently.

Key features include:

- **Transparent demand forecasting:** This allows small merchants to predict future sales trends with confidence and ensure they have the right amount of stock on hand.
- **Clear, actionable buying recommendations:** With data-driven buying recommendations, merchants are equipped with actionable insights that ensure they order the right quantity of products and avoid costly overstocking.
- **Simplified inventory management:** A simple, user-friendly interface makes planning inventory accessible to all users, even first-time inventory managers.

Siemens advances integrated circuit test and analysis at 5nm and below

9 July 2024

Siemens Digital Industries Software introduced Tessent™ Hi-Res Chain software, a new tool designed to address the critical challenges faced by integrated circuit (IC) design and manufacturing teams in advanced technology nodes, where even minor process variations can significantly impact yield and time-to-market.

As IC designs progress to more advanced nodes at 5nm and below, they become increasingly susceptible to manufacturing variations that can create defects and slow yield ramp. At these geometries, traditional failure analysis (FA) methods can require weeks or months of laboratory effort to investigate. Siemens' new Tessent Hi-Res Chain tool addresses this problem by rapidly providing transistor-level isolation for scan chain defects. For advanced process nodes where yield ramp heavily relies on chain diagnosis, the new software can boost diagnosis resolution by more than 1.5x, reducing the need for costly extensive failure analysis cycles.

"Tessent Hi-Res Chain represents a major leap forward in our ability to rapidly identify and address yield-limiting factors in advanced IC designs," said Ankur Gupta, vice president and general manager of the Digital Design Creation Platform division, Siemens Digital Industries Software. "By providing unprecedented accuracy and resolution in defect isolation, we're empowering our customers to accelerate their yield ramp and improve time-to-market for cutting-edge semiconductor products."

By correlating design information and failure data from manufacturing tests with patterns from Tessent automatic test pattern generation (ATPG), Tessent Hi-Res Chain transforms failing test cycles into actionable insights. The solution employs layout-aware and cell-aware technology to pinpoint a defect's most probable failure mechanism, logic location, and physical location.

Tessent Hi-Res Chain builds on Siemens' market-leading chain diagnosis capabilities, offering precise defect isolation, even for point defects deep within design control signal networks.

The new solution maintains Tessent industry-leading accuracy rate, with over 80 percent of its generated reports consistently confirmed through FA processes using Tessent technology. This high level of reliability has made Tessent the go-to solution for yield ramping across multiple technology nodes.

Tessent Hi-Res Chain is part of Siemens' comprehensive Tessent product family, which offers best-in-class solutions for IC test, functional monitoring, and silicon lifecycle management. These tools work in concert to provide the highest test coverage, accelerate yield ramp, and improve quality and reliability throughout the silicon lifecycle.

Siemens brings new immersive collaboration, electro-mechanical workflows and new AI-enabled design capabilities to NX

11 July 2024

Siemens Digital Industries Software announced the latest updates to its NX™ software from the Siemens Xcelerator portfolio bringing new and enhanced capabilities to Siemens' flagship

product engineering software that aim to help designers and manufacturers across all industries deliver better, optimized products to market faster.

Introducing NX X

NX™ X software is the same NX that industry leaders and pioneers have relied on for many years, now offered on the cloud and enhanced with built in data management based on the Teamcenter® portfolio for Product Lifecycle Management (PLM). With information being stored on Siemens' secure cloud software-as-a-service infrastructure, customers can unlock a new level of NX offering more flexibility, scalability and collaboration.

David Doral, CEO of startup Dovetail Electric Aviation shares his experience with NX X saying, "As a startup pushing the boundaries of innovation, we require capabilities to explore all options to ensure product performance. After reviewing market offerings, NX X has been implemented, providing next generation product engineering capabilities future proofed with value-based licensing, enabling us to replace Dassault's offerings for the more scalable and flexible Siemens Xcelerator. Together with Siemens we have an exciting future with our new platform built for the future."

NX X is an enhanced cloud-based product engineering allowing desktop installation or browser streaming via Amazon Web Services (AWS), along with secure data management for seamless collaboration, enhancing PLM capabilities with Teamcenter® X software, providing users with more flexibility, greater native collaboration capabilities and less time wasted on IT administration. NX X also offers flexible and scalable licensing, an adaptable and cost-effective way for customers to access NX add-on modules and advanced NX capabilities. With over 110 products and capability extensions available, organizations can explore what add-ons best suit their workflows, allowing flexibility and customization based on their projects' demands. NX X also works alongside Siemens' newly announced Zel X™ software. Based on the same architecture as NX, Zel X is Siemens' next generation browser-based engineering app that integrates with other Siemens Xcelerator solutions like NX, for streamlining manufacturing and shop-floor operations.

Immersing engineers and designers in the future of design

With NX™ Immersive Explorer software, a gaming-level experience is being brought to design review, virtual commissioning and stakeholder sign-off in stunning realism on both the desktop and in virtual reality. Launching in December 2024, NX Immersive Explorer supports all major HMD hardware options and enables users to gain valuable insights earlier in the design process in immersive and interactive photorealism, cutting costs for physical prototypes. With the ability to focus on specific parts of the assembly, examine individual components, and add mark-ups and notes to document design review outcomes – the design process can be done in a whole new perspective.

Bring new AI capabilities to NX

AI is everywhere, including in NX, helping to improve and accelerate processes with NX's artificial intelligence-enabled design tools. New AI-enabled tools including topology

optimization, Performance Predictor and gyroid modeling join existing tools such as command prediction and selection prediction to boost efficiency.

Performance Predictor is an AI-enabled design simulation tool that focuses on validating material choices and mechanical performance of individual parts - enabling designers to validate test and reiterate design iterations in real-time - speeding up the innovation process and helping to eliminate costly errors.

When combined with the AI-enabled topology optimization and new gyroid lattice and infill design capabilities and the Design Space Explorer capability introduced in 2023, this enables designers to create optimal parts that not only perform as needed, but also allows them to conduct light weighting studies and take advantage of additive manufacturing where appropriate.

Maximizing speed and control for part manufacturing

This update also brings greater levels of user control and workflow productivity to NX CAM and NX Additive Manufacturing (AM) that empowers users to go from part designs to high quality components faster and with greater confidence. Enhanced 3D Adaptive Roughing, a high-speed machining strategy, now helps programmers to automatically specify start locations, resulting in more efficient machining and longer tool life. Similarly, the hole-making operation has been improved to provide finer control over tool moves that ensures safe machining and enhanced surface quality. Additionally, Cloud Connect Tool Manager has been upgraded to streamline CNC programming. This feature for tool data management with direct access to tool vendor catalogs now enables association of machining settings with cutting tools, resulting in faster programming.

Workflows for preparing additive manufacturing build jobs for metal and polymer parts have been streamlined with new capabilities and enhancements. New facet selection methods simplify the creation of support structures for parts modeled with facet geometry. Additionally, new capabilities for subnesting, sinterbox creation, slice area distribution calculation and 3D packing optimization greatly simplify and accelerate the workflow for preparing of polymer builds jobs. Furthermore, new Siemens build processors simplify the generation and output of print job files from NX to SLM Solutions and Trumpf metal 3D printers. Lastly, new multi-axis additive build rules enable creation and reuse of custom process parameters, often considered to be the “secret sauce” for achieving consistent high-quality builds.

Enhancements for the Electrical & Semiconductor industry

The new Managed Environment for Electronics Design is a continuous digital thread that connects data from various software from the Siemens Xcelerator platform - including NX, Capital™ software for electrical and electronics (E/E) systems development, Xpedition™ software for PCB design and Teamcenter for PLM - allowing enhanced integration between the four, enabling seamless data flow and collaboration between electronic and mechanical design teams. This unified data management platform for electrical/electronic and mechanical domains simplifies ECAD and MCAD processes.

Building Information Modeling (BIM) capabilities within NX

NX for BIM offers a comprehensive set of Building Information Modeling (BIM) tools, offering a single, multi-disciplinary platform for the Architecture, Engineering and Construction (AEC) workflows. This is especially beneficial in a field typically relying on multiple separate software products to handle different aspects of the architecture and construction design process. The new NX for BIM functionality includes an IFC data translator, a stair tool and the ability to import from a 3D BIM library, enhancing interoperability and workflow efficiency. The new NX for Concrete Design add-on module is crucial for modular construction, providing greater fidelity to the digital twin of concrete structures.

VOLTA and modeFRONTIER 2024R2 out now

8 July 2024

modeFRONTIER introduces Plan services which enables you to schedule runs for multiple plans in the same workflow. VOLTA launches a new Beta feature that facilitates seamless integration with external data sources.

Design Optimization

Service Task node: schedule multiple run configurations (Plans) from the modeFRONTIER workflow

With the new Plan services feature, you can define and sequence multiple run configurations by exposing the variables and algorithm properties that you wish to use for Design of Experiments (DOE), optimization, robust analysis, and other tasks in modeFRONTIER. These services can then be executed automatically, eliminating the need for manual intervention, batch scripts, or difficult workarounds. The introspection and execution of Plans within a modeFRONTIER project are enabled through the seamless chaining and nesting of Plan task services. This means you can focus on strategic analysis and gaining insights while modeFRONTIER automates the repetitive tasks for you.

pyFRONTIER app adds API for handling and running plan-based projects

In the previous release we launched the pyFRONTIER app which enables you to connect any Python interpreter with modeFRONTIER and interactively use Design Space and Python data in both applications. Now, we've added a brand new Plan module in pyFRONTIER which includes a comprehensive set of Python APIs for managing the entire modeFRONTIER session lifecycle. This allows you to:

- Effortlessly import and export plans between pyFRONTIER and modeFRONTIER (Interactive Data Exchange).
- Modify plans directly in your preferred Python interpreter for maximum flexibility (Pythonic Control).
- Trigger and manage modeFRONTIER sessions straight from Python (Streamlined Execution).
- Handle run errors, keeping your workflow on track (Robust Error Handling).

- Leverage a dedicated Python API for comprehensive control over the entire modeFRONTIER session lifecycle (Lifecycle Management).

Simulation Data Management

VOLTA External data sources: enabling data interoperability with other systems (beta feature)

When you have many systems in place, maintaining consistency and interoperability is essential to ensure that the right data is accessible at the right time throughout the product life cycle. With this new beta feature, users can now easily access and integrate data from various external sources, such as PLMs, Google Drive, and Microsoft OneDrive, into VOLTA. This allows you to maintain data accuracy and digital continuity by eliminating the need for manual data transfers.

What you can do:

- Access data stored in an external data source using your credentials.
- Replace input file attachments in a plan with files stored in an external data source.
- Edit and run plans that use input file attachments stored in an external data source.
- Download file attachments from the Results table.

For all other new features please refer to the release notes included in the software updates.

Wellspring Unveils Astria, Revolutionizing IP Renewal Management

10 July 2024

Wellspring, a leading provider of innovation management solutions, is thrilled to announce the launch of Astria, a cutting-edge tool designed to streamline and enhance IP renewal processes.

Introducing Astria: A Game-changer in IP Management

Astria offers a centralized and simplified approach to the renewal process, reducing the risk of missed deadlines and leveraging comprehensive management tools to maintain IP portfolios with confidence.

Key Features of Astria:

- **Eliminate Double Docketing:** The Astria-Sophia integration ensures all IP management tasks are centralized, saving time and effort.
- **Drive Robust Data Integrity:** Proactive checks ensure the highest quality and accuracy of IP renewal data.
- **Easy Renewing:** Flexibility in instructing renewals, with options for bulk renewals and customizable approaches.
- **Practical Invoicing:** Simplified invoice reconciliation with concise breakdowns, available in both PDF and LEDES formats.

“Astria is set to transform the way organizations handle their IP renewals,” said **Ronnie Georghiou, Executive Director, IP Renewals Services**. “We have designed Astria to be an all-

encompassing solution that ensures accuracy and efficiency, enabling our clients to focus on innovation.”

Why Astria?

Astria addresses the complexity of IP renewals by centralizing and simplifying the entire process. By integrating with existing IP management systems, Astria eliminates double docketing and provides robust data integrity checks. Its flexible renewal options and practical invoicing capabilities make it an indispensable tool for effective IP management.