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CIMdata News

A long week after the PLM Roadmap / PDT Europe conference

11 November 2024

In the second of two blog posts, Jos Voskuil continued his review of CIMdata's PLM Roadmap/PDT Europe 2024 conference. Jos says, "There were several interesting sessions which I will not mention here as I want to focus on forward-looking topics with a mix of (federated) data-driven PLM environments and the applicability of AI, staying around 1500 words."

Read the full blog post here: <https://virtualdutchman.com/2024/11/11/a-long-week-after-the-plm-roadmap-pdt-europe-conference/>

CIMdata to Host Free Webinar on The State of the PLM Economy

12 November 2024

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces an upcoming free educational webinar, "The State of the PLM Economy." This eagerly awaited annual webinar will take place on Thursday, December 12, 2024, at 11:00 a.m. (EST) and last for one hour.

If there is one constant in the PLM Economy, it is never dull. In this webinar, CIMdata will review the major events of 2024 and discuss what we might look forward to in 2025 and beyond.

The webinar will help attendees:

- Develop a better understanding of the events of 2024 and how they impact the market.
- Identify key aspects of market moves that might suggest future actions.
- Better understand the PLM market and the competitive position of the leading PLM solution providers.

According to webinar host Christine Longwell, "The PLM Economy continues to grow organically and through mergers and acquisitions. It can be hard to follow, which is one reason why people have come to value CIMdata's work and opinion in this dynamic marketplace. This webinar is your "one-stop shop" for information about the PLM market in 2024."

This webinar will be useful to product planners and managers, product portfolio managers, PLM team leaders and team members, PLM users, executives interested in a quick way to update themselves on the PLM economy, product managers, IT leaders, solution providers, financial analysts, and anyone who wants to learn about how PLM has progressed in 2024 and how it might move forward in 2025 and beyond.

During the webinar, attendees will have the opportunity to ask questions about the topics discussed. To find out more, visit <https://www.cimdata.com/en/education/educational->

[webinars/webinar-the-state-of-the-plm-economy-2024-and-beyond](#). To register for this webinar, please visit <https://register.gotowebinar.com/register/3426443710827228511>.

PLM, the Key to the Industry of the Future - a CIMdata Blog Post

11 November 2024

The [Solow Paradox](#) is at the heart of the debate about the link between technological investment and business productivity.

In the United States and, for example, in France, spending on information and communication technologies (ICT) has increased from less than 1% of GNP in 1970 to more than 8% of GNP in the USA and more than 5% of GNP in France in 2023, while annual productivity growth in these countries has hovered around 1 to 2% for most years in the period 1970-2023.

Thus, and contrary to popular belief, it has not been formally proven that technological investments have led to productivity gains for companies since the start of these investments.

The Industry of the Future and the Solow Paradox

The Industry of the Future, characterized by automation and robotization, the relocation of production, and the connection of disparate systems, today presents an opportunity to break the Solow Paradox.

Indeed:

- Automation and robotization help reduce production costs and increase productivity.
- Reshoring brings production centers closer to consumer markets, reducing logistics lead times and costs and providing greater flexibility to respond to changes in consumer demand.
- Connecting disparate technologies to platforms facilitates the creation, use, management, and distribution of product-related data, enabling companies to become more agile and efficient: digital continuity, produced by connecting disconnected systems to platforms, streamlines exchanges and automates highly manual tasks, reducing costs and increasing the agility of the whole.

Thanks to platforms, the technologies of the Industry of the Future promise to generate productivity gains that the technologies of the past have not yet been able to deliver.

PLM, a Key System for the Industry of the Future

At the heart of the Industry of the Future is Product Lifecycle Management (PLM).

PLM is a strategic business approach that is supported by processes, tools and functions that enable the creation and management in an integrated and coherent manner of all intellectual assets (data and processes) related to a company's products, from their design to through their entire life. By enabling precise and reliable management of intellectual assets related to products, PLM facilitates and makes their design, production, maintenance and end-of-life management more reliable.

CIMdata's Definition of PLM

A strategic business approach that applies a consistent set of business solutions in support of the collaborative creation, management, dissemination, and use of product definition information across the extended enterprise, and spanning from product concept to end of life—integrating people, processes, business systems, and information.

By facilitating and making product design and production more reliable, PLM reduces costs, accelerates time to market, and increases business agility. By providing precise and reliable access to product data, PLM improves quality management, maintenance and end-of-life management. Thanks to PLM, companies become more effective because they adapt better to market requirements, and become more efficient because they improve the use of their resources. This is why PLM is considered a **strategic business approach** since it improves both the effectiveness and efficiency of companies.

Operated by technologies increasingly individually efficient and better and better connected by platforms, the effects of PLM solutions are powerfully amplified. By automating highly manual tasks and streamlining exchanges within PLM approaches, companies see their effectiveness and efficiency increased tenfold by appropriate use of technology. By optimizing the use of company resources on the companies' purpose (its products), the digitalization of PLM approaches has the potential to generate the productivity gains that information technologies have promised but whose invisibility Robert Solow has highlighted.

Thus, if the Solow Paradox has long raised questions about the real value of technological investment, the implementation of the Industry of the Future through PLM solutions offers prospects for resolving this Paradox. By integrating and connecting advanced technologies within end-to-end product lifecycle management approaches, companies can now achieve substantial productivity gains while meeting a growing demand for innovation. In this context, PLM appears to be the fundamental element capable of realizing the vision of the Industry of the Future. And of significantly increasing the productivity of companies.

Please let me know your thoughts on this topic by sharing them in the comments section of this blog!

Or contact me directly at l.finck@CIMdata.com

Laurent

The Power of Scalable Data Governance - a CIMdata Blog Post

30 October 2024

Written by [Janie Gurley](#)



Scalable data governance is an approach that enables an organization's data governance framework to grow right along with the organization itself. As the data ecosystem expands in terms of data volume, complexity, and various use cases, scalable data governance ensures that the governance structure remains effective. This framework is designed to handle changes and growth without losing its grip on the essentials: security, accessibility, and compliance.

Consider the policies and procedures that keep an organization's data secure and compliant. In a scalable data governance setup, these policies are adaptable; they're flexible enough to evolve along with shifting business needs, regulatory changes, and the implementation and use of new digital technologies. As the organization encounters new data sources and/or different ways to use data, the policies and governance structures must adjust to meet those changes, and using a scalable data governance approach, they do so seamlessly, without interrupting the workflow, or burdening teams with too many updates.

Automation plays a big role in this kind of governance. Governance functions like data discovery, classification, metadata management, and compliance monitoring are automated. Thereby making the whole process more efficient and less dependent on manual effort, which doesn't scale well. With automated enforcement of governance rules, teams are less bogged down by repetitive tasks, which ensures a steady and reliable governance process even as data volumes increase.

When organizations grow, it doesn't make sense to centralize all data ownership in one place. As a result, scalable data governance favors a decentralized model, where departments and/or business units maintain control of their data under a broader, distributed framework. Roles like data stewards and custodians provide accountability, ensuring that each area follows the governance guidelines while extending responsibility across multiple teams.

A scalable data governance framework relies heavily on metadata management and a well-organized data catalog. When data is cataloged effectively, it's easier for users to find what they need, understand its lineage and quality, and leverage it. This transparency helps maintain control while enabling teams to utilize data effectively without straying from defined governance standards.

Another crucial feature is role-based access control (RBAC). As governance models scale, so do their security features. RBAC ensures that only those with proper authorization can access sensitive data. When new users, teams, or even third-party applications enter the data landscape, the access controls can dynamically adjust to include them without compromising data security.

Regulatory requirements, such as the General Data Protection Regulation (GDPR) or the California Consumer Privacy Act (CCPA), aren't static, so a scalable data governance framework must also be capable of adapting to evolving compliance demands. Automated monitoring and tools that track data usage and storage allow an organization to maintain compliance even as its data environment grows and evolves.

A significant benefit of scalable governance is the support for self-service data access. Data scientists, analysts, and other users can independently access and use data within governance limits without waiting on their IT organization for permission. This setup, bolstered by accessible tools like data catalogs and dashboards, allows users to work more efficiently and avoids creating bottlenecks as teams grow. Maintaining data quality at scale is challenging, but it's essential. Scalable data governance includes automated data profiling, cleansing, and validation processes. Standardized rules for data quality management allow for the application of high standards across an ever-expanding data ecosystem.

Many scalable governance frameworks integrate cloud-based or hybrid data platforms in today's landscape. This setup allows an organization to handle data growth flexibly, with resources that can scale up or down as needed. Cloud platforms offer on-demand resources that streamline everything from data security to storage and backup, allowing organizations to scale up governance processes when necessary.

Continuous monitoring and auditing are also necessary for governance at scale. With tools to monitor data access, quality, and usage patterns in real-time, organizations can catch and address issues early, regardless of the data environment's size. These tools are like the backbone of scalable data governance, providing a watchful eye over governance practices so that compliance, security, and quality remain intact as the organization grows.



What are the benefits of this approach? First, it makes governance more efficient. Automation and standardization mean less manual work, so governance doesn't burden specific individuals or teams. It also ensures consistency (e.g., governance practices are applied uniformly across departments, data systems, and new integrations as the organization scales). Additionally, regulatory compliance remains manageable, even as the volume and diversity of data grow, ensuring a strong stance on compliance at scale.

A scalable data governance framework also promotes data democratization. By making data accessible to more users in a governed environment, an organization can maximize its data while staying compliant. In summary, scalable data governance is a future-ready

approach that allows organizations to handle growth, changing regulations, and emerging technologies without repeatedly overhauling the governance framework. In short, scalable data governance empowers an organization to manage and control its data assets as the landscape expands. It provides a solid foundation for data security, accessibility, and compliance that remains steadfast no matter how complex the organization's data ecosystem becomes.

Please feel free to [reach out to me](#) if you would like to chat more about data governance!

Warm regards.

[Janie](#)

Check out CIMdata's [Data Governance Dossier](#) for more on the topic!

The weekend after PLM Roadmap/PDT Europe 2024

28 October 2024

In the first of two blog posts, Jos Voskuil described his experience at CIMdata's PLM Roadmap/PDT Europe 2024 conference. Jos says, "The theme of the conference was: Value Drivers for Digitalization of the Product Lifecycle, a topic I have been discussing in my recent blog posts, as we need help and educate companies to understand the importance of digitalization for their business."

Read the full blog post here: <https://virtualdutchman.com/2024/10/28/the-weekend-after-plm-roadmap-pdt-europe-2024/>

Acquisitions

Addnode Group acquires CTC Software in USA

11 November 2024

Symetri, a company in Division Design Management, announces that it has acquired CTC Software. The USA based company addresses the growing demand for efficient and automated BIM workflows by creating add-ins and tools on top of the Autodesk platform. CTC Software has net sales of SEK 40 million and an EBITA margin representative for a proprietary software business.

Symetri creates and provides technology solutions and services for design, engineering, construction and manufacturing businesses. The acquisition of CTC Software strengthens Symetri's own technology portfolio, which will further improve its customers' ability to deliver high-quality projects faster and with greater accuracy.

Founded in 1997, and based in Minnesota, USA, CTC Software is known for its suite of add-ins and tools for Autodesk Revit and Autodesk Civil 3D users. Its tools have more than 40,000 users, such as architects, engineers and construction (AEC) professionals. Its flagship products, including BIM Project Suite and CIM Manager Suite, are widely used to automate repetitive tasks, ensure data consistency, and optimise model health. In addition, the Nexus Suite is a content management system for BIM data allowing teams to easily organise, search and distribute content and other project assets, enhancing collaboration across distributed teams.

“This acquisition is an important milestone for Symetri as we continue to invest in innovative technologies. We’ve been impressed by the team at CTC Software, their depth of industry knowledge and development expertise is exceptional, and their long history of working with Revit is unrivalled. With CTC Software joining the Symetri family, we will be able to empower our customers with a greater range of productivity and quality assurance tools that ultimately lead to better project outcomes”, says Jens Kollserud, CEO of Symetri, a company in Addnode Group’s Division Design Management.

Founded in 1997, CTC Software was an early Revit Solutions Provider, even before Autodesk acquired Revit in 2002. CTC Software is a member of the Autodesk Developer Network.

CTC Software will be consolidated from November 2024, as part of Addnode Group’s Design Management Division and its subsidiary Symetri.

L&T Technology Services deepens software product development, platform engineering & AI expertise

11 November 2024

L&T Technology Services Limited, a global leader in engineering and technology services, announced it has signed a definitive agreement to acquire Silicon Valley-based Intelliswift, to deepen its offerings across software product development, platform engineering, Digital Integration, Data and AI.

Intelliswift services 4 of the Top 5 Hyperscalers and caters to over 25 Fortune 500 companies including 5 of the top 10 ER&D spenders in Software and Technology. With this acquisition, LTTTS will also be able to address adjacent markets of Retail and Fintech, along with the Private Equity channel.

The acquisition will enhance LTTTS' AI and software capabilities in the Digital Engineering suite for global clients, through:

- Industry leading software product development, data & platform engineering capabilities
- Intelliswift’s AI-led automation framework which provides end-to-end automation solutions across platforms and processes.
- Digital enterprise & Integration services through agile engineering and next generation technologies

"Software and AI are becoming essential for our clients seeking to bring new products and differentiated solutions for the consumer. The acquisition of Intelliswift strengthens our digital and software product engineering capabilities, expands strategic client partnerships with major technology spenders, boosts our presence in Silicon Valley, and advances us towards our USD 2 Billion medium-term goal.

*We warmly welcome the Intelliswift team to our LTTTS family, to join us in our journey of ‘Purposeful. Agile. Innovation’ with inclusive growth,” said **Amit Chadha, CEO and Managing Director, L&T Technology Services.***

“Joining forces with a prominent Engineering & R&D services leader like LTTS is a strategic step forward for Intelliswift. Together, we aim to become the leading technology partner for major hyperscalers and companies worldwide that depend on us for business critical products and platforms, significantly enhancing our digital offerings. Our customers will benefit from innovative advancements throughout the software and digital platform lifecycle,” **said Pat Patel, Founder and Executive Chairman, Intelliswift.**

Company News

HCLTech appoints Arjun A. Sethi as Chief Growth Officer for Strategic Segments

12 November 2024

HCLTech, a leading global technology company, today announced the appointment of Arjun A. Sethi as Chief Growth Officer for Strategic Segments, focusing on government and global private equity.

Based in New York, Sethi will leverage his deep industry experience to bring HCLTech’s engineering-led technology portfolio, digital services and differentiated GenAI solutions to these high-growth segments, drawing on his expertise in digital and business transformation.

“We are pleased to bring in a dynamic leader to sharply focus on both strategy and execution. Arjun’s extensive experience in digital transformation and his outstanding global track record will play a crucial role as we tap into a wealth of new opportunities in these important segments.” said C Vijayakumar, CEO & Managing Director of HCLTech. Sethi will report directly to Vijayakumar.

Sethi joins HCLTech after a 25-year career at Kearney, where he served as Senior Partner and Vice Chair of Digital Transformation. His extensive international experience spans the Americas, Middle East and APAC across government and PE, as well as financial services.

“I’m thrilled to join HCLTech at this pivotal moment, 25 years after my initial stint with the group,” Sethi said. “I look forward to unlocking new opportunities and contributing to HCLTech’s growth.”

Sethi holds a bachelor’s degree in engineering from Motilal Nehru National Institute of Technology, India, and a post-graduate diploma in management from the Indian Institute of Management, Calcutta.

Norbert Hanke appointed interim President and CEO of Hexagon AB

11 November 2024

The Board of Directors of Hexagon AB and Paolo Guglielmini have mutually agreed that Paolo will step down from his position as Hexagon’s President and CEO. The Board sees a new leadership approach as essential to steer the company through its next phase.

The Board of Directors of Hexagon AB has appointed Norbert Hanke as interim President and Chief Executive Officer of Hexagon AB. Norbert Hanke assumes his position with immediate

effect. Norbert joined Hexagon in 2001, most recently serving as Hexagon's COO (Chief Operating Officer) and prior to that as Hexagon's Manufacturing Intelligence division president for over 10 years.

"The Board of Directors is starting the process of recruiting a new CEO to accelerate our growth and to capture the opportunities we see in the market. In the meantime, day to day operations will be overseen by Norbert, with the full support of myself and the Hexagon Board of Directors. I would like to thank Paolo for his 14-year tenure with Hexagon and his last 2 years as CEO. Paolo has made many positive contributions to the results and strategy of the company. The Board would like to thank him and wish him every success for the future." says Ola Rollén, Chairman of the Board of Hexagon AB.

Hexagon will host a live webcast and telephone conference Monday 11 November at 10:00 CET.

Hosts:

Ola Rollén, Chairman of the Board, Hexagon AB
Norbert Hanke, acting President and CEO, Hexagon AB

Webcast:

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

Telephone conference:

Anyone interested in participating in the Q&A session following the 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.

SmartDraft partners with ZenTek Consultants in a strategic distribution alliance to advance a powerful joint offering to the Civil Engineering Market

11 November 2024

SmartDraft, Inc announces its first distribution partnership with Zentek Consultants for the full suite of SmartDraft products catering to the BricsCAD Pro ecosystem. This partnership combines a powerful toolkit for the Civil Engineering market with industry leading training and customization software services.

SmartDraft, a powerful toolkit within the BricsCAD Pro ecosystem, leverages time saving commands which helps Civil Engineers, Surveyors and Drafting professionals maximize their productivity. Tasks and commands which often took hours to execute now are delivered in seconds. The toolkit which offers over 300 commands is fully integrated within BricsCAD Pro version 25 and has backward compatibility for the last 5 versions. It has helped countless firms, from the 2-person Civil consulting firm to a 50 person Survey firm deliver projects on time consistently.

As a prominent distributor in the design software domain, ZenTek Consultants' mission is to help clients build their business for the future. From preliminary planning through final

implementation, ZenTek Consultants brings years of technical experience to help firms make best use of the technology they already own and help guide them to the latest technology solutions they're going to need to stay ahead of their competitors.

This is a significant partnership with ZenTek Consultants which bolsters our growth strategy and we are confident that the team at ZenTek Consultants has the skills to bring our unique capabilities to a market that is constantly in need of innovative tools. Furthermore, this relationship offers opportunities for us by leveraging Consultants' extensive experience as a trusted training and delivery provider in addition to offering complimentary products in the Civil Engineering Ecosystem.

Mr. Rex Cooper, President and Founder of SmartDraft noted: "We believe this is a very strategic move to work with ZenTek Consultants to expand and build awareness of the SmartDraft product portfolio. Today the challenge that many firms face is finding cost effective CAD Solutions from a dependable partner. We find that ZenTek Consultants customization of BricsCAD Pro with SmartDraft addresses that need and will really be a boom to the marketplace."

James Coppinger, Principal of ZenTek Consultants explains, "We see the marriage of BricsCAD Pro and SmartDraft as a perfect union to dramatically improve surveying and infrastructure CAD workflows. People who have been using basic CAD systems, with expensive survey overlays, to generate (simple) 2D plans will see game changing efficiency gains with SmartDraft for a fraction of what they're paying today. SmartDraft and BricsCAD Pro together provide fully-functional 3D surfacing tools, contouring, labeling, and automated field-to-finish drafting. With this collaboration, what currently takes days can now be accomplished in minutes. ZenTek Consultants is thrilled to establish this partnership, which changes the way the infrastructure world works for the better."

The strategic partnership between SmartDraft and ZenTek Consultants epitomizes a shared commitment to business excellence, innovation, and enhancing customer value.

Trimble SketchUp Surpasses One Million Active Subscribers

11 November 2024

Trimble[®] announced that its SketchUp[®] 3D modeling software surpassed one million active subscribers. The growth is supported by SketchUp's transition to a subscription business model, the continuous introduction of innovative product features, and Trimble's customer-centric focus on delivering value to the architecture, engineering and construction (AEC) industry. The announcement was made at [Trimble Dimensions User Conference](#) and [3D Basecamp](#).

SketchUpDesktop

Subscription offerings, including monthly subscriptions, lower the barrier to entry, enabling a larger global audience to now access SketchUp. In addition to greater accessibility through the subscription model, Trimble has introduced a number of innovative products and features to bolster its offerings. The collaboration-centric, link-sharing feature allows users to share 3D models as easily as one can share a web URL. More than 650,000 users* have shared 1.7 million

links since its launch, and 3.8 million users have opened those links. In addition to its popular desktop application, Trimble introduced the SketchUp for iPad application to its portfolio, enabling 'on the go' users to access SketchUp in the office, at a coffee shop or on the job site while also reaching new customers via the Apple App Store.

"We've found the subscription business model allows us to consistently deliver new features, services and integrations that empower our AEC customers to communicate design ideas better and work more efficiently and collaboratively with all stakeholders on a construction project," said Christopher Cronin, VP & GM, architecture, design and education at Trimble SketchUp. "The response from our customers to the lower up-front investment, reliable budgeting and consistent delivery of visualization, collaboration, interoperability and now, AI enhancements, have been key to us surpassing this milestone."

Trimble's delivery of new AI features and workflows is also fueling this growth. This includes SketchUp Diffusion [Labs], a Stable Diffusion-based generative AI service that uses a SketchUp model, text prompts or stylistic presets to generate images. It gives architects and designers more time for creative exploration and iteration, and has had more than 200,000 users and generated more than 13 million images since its launch in December 2023. Additionally, 3D Warehouse Image Search is an image-driven search function that uses AI to quickly sift through millions of pre-built models in SketchUp's 3D Warehouse to help users easily find the right products for their designs.

As part of the Trimble ecosystem of connected construction solutions, SketchUp is a starting point for 3D design and visual storytelling that can be utilized by all stakeholders, from concept through construction. The software is used across all project phases and by a wide variety of team members and technical skill sets.

Event News

Cyncly presents complete solutions for kitchen designers and planners at EspritMeuble

7 November 2024

Cyncly, the leading global provider of software and content solutions that help make amazing spaces for living, will be presenting its Winner Flex and Ideal Spaces solutions for kitchen designers and retailers at EspritMeuble in Paris, November 16-19. Visitors can find Cyncly at Stand H54.

Retailers face challenges scaling their business while maintaining consistently high service levels, quality and margins. Cyncly software and its industry-leading content catalogs help kitchen designers and retailers grow their businesses while delivering a great customer experience, every time.

Building their businesses with easy to use, end-to-end software that consolidates every step of the consumer journey in a single system, designers and retailers using Cyncly solutions can inspire their customers, design beautiful spaces and sell more efficiently than ever. The

company's solutions are used by more than 70,000 customers worldwide, including design and retail organizations of every size.

"Cyncly helps designers and retailers put the consumer at the heart of their process and connects every step of their journey – from project inspiration, through design and sales, to successful installation," said Philippe Laziosi, Sales Director at Cyncly. "Our goal is to serve as a strategic partner to the kitchen industry, bringing together all the participants: designers, retailers and manufacturers. That's why we not only offer the leading software solutions, but also customer-related services such as professional services, training and support. This year, we are excited to be building on our Winner Flex solution, unveiled in 2023, and providing a first look at our new Spaces Flex product. These solutions offer capabilities that help every designer and retailer deliver a great consumer experience."

Highlights from Cyncly at EspritMeuble 2024:

Advances to Winner Flex, the leading kitchen design and sales tool

Cyncly's Winner Flex solution has evolved beyond Winner Design. It now offers a comprehensive cloud-based solution for the entire sales process. With Winner Flex, specialist dealers and planners can design in collaboration with their customers, and share and finalize projects and plans from anywhere. The cloud-based solution gives dealers the opportunity to be closer to their customers and present projects at any time, from any location. Users can also integrate orders for completed designs via Winner Flex, which results in faster processing and complete traceability.

Winner Flex has professional-level detailed work capabilities, including creating complex ceilings and worktops. With an optimized article browser, Winner Flex now reduces the number of clicks per plan by 40. This revised user interface enables more intuitive operation and opens up additional upselling opportunities.

Winner Flex integration with SketchUp

This year, Cyncly is excited to announce the integration of Sketchup, the popular 3D modelling software, into its cloud-based Winner Flex kitchen design software. This powerful new feature allows designers to effortlessly import their Sketchup objects into Winner designs with just a few clicks, enriching the design experience and offering even more creative potential.

Winner Flex integration with Tradeplace

The new integration between Cyncly and Tradeplace promises to streamline the way retailers interact with suppliers. By integrating Tradeplace's platform into Winner, retailers will benefit from faster order confirmations and eliminate the need for redundant data entry. This means a substantial reduction in the risk of errors and a more efficient ordering process.

Immersive virtual reality from partner Nootty

Visitors to Cyncly's booth can get a firsthand look at an immersive VR experience from Cyncly's partner Nootty. The Nootty platform, enables designers to create projects using design software, submit them for automatic processing, and then immerse clients in a VR experience

of their future interiors. This approach helps clients visualize and engage with design concepts created in Winner Flex, Design Live, Ideal Spaces and Innoplus, more concretely, enhancing the sales process.

For the first time, visitors can see the new Spaces Flex solution

Visitors to EspritMeuble will be able to see demonstrations of Spaces Flex, the evolution of Cyncly's leading Ideal Spaces solution for large retailers. Spaces Flex enhances the entire retail experience with cutting-edge space planning software, 3D design tools, and online configuration solutions. Spaces Flex drives retail success for every customer journey, whether consumers start online or in-store, by providing intuitive AI-powered inspiration, streamlined 3D design, and integrated sales accessing the industry's most complete catalogs from manufacturers.

DXC Technology to Present at J.P. Morgan 2024 Ultimate Services Conference

8 November 2024

DXC Technology, a leading Fortune 500 global technology services company, announced it will participate at the J.P. Morgan 2024 Ultimate Services Conference on November 14, 2024 in New York City. Raul Fernandez, DXC's President and CEO, is scheduled to present at 10:10 am ET. A webcast of the fire side chat will be available on the "Events and Presentations" section of DXC's investor webpage at <https://investors.dxc.com>

Innovations and Product Updates Unveiled at Deltek ProjectCon 2024

13 November 2024

Deltek, the leading global provider of software and solutions for project-based businesses, announced major user experience innovations and updates across its portfolio of products to a live audience of more than 3,700 attendees at Deltek ProjectCon. This annual conference brings together customers, product experts, employees, sponsors, partners and analysts for three days of learning opportunities, networking and inspirational keynotes.

Deltek continues to focus on innovating the future of project success and announced multiple updates aligned with this year's Deltek ProjectCon theme of Powering Transformation.

Powering Transformation of User Experience

Deltek Harmony™, the foundation for the future look and feel of Deltek solutions, reimagines the user experience to boost productivity and simplify complex functions into a cohesive, elegant interface. Designed to deliver a consistent, intuitive experience across Deltek's entire portfolio, Deltek Harmony is tailored to the unique needs of project-based businesses. This unified design will help accelerate onboarding by reducing training time and user adoption, while evolving with day-to-day business demands to prioritize productivity and user engagement.

Deltek Harmony is built on extensive user feedback, market research and design best practices to ensure that each element directly addresses customer needs and aligns naturally with their workflows. It features an updated navigation hierarchy, enhanced layout consistency, versatile

and adaptive elements and creates efficiencies for users as they move between different solutions. Deltek Harmony also harnesses the power of Dela™, its AI-powered business companion, incorporating interactive, automated insights and intelligent exploration.

“We’re thrilled to introduce Deltek Harmony and showcase how much Dela has grown since our launch earlier this year. Deltek is committed to providing a best-in-class product experience that is more streamlined, cohesive and intuitive than ever before,” said Warren Linscott, Chief Product Officer at Deltek. “By fusing an excellent user experience with AI capabilities, along with deep product functionality, Harmony and Dela will provide customers with a competitive edge. We’re proud to be a trusted technology partner to our customers and to continue adding value through innovation.”

Powering Transformation of Work

Since its launch in early 2024, Dela has continuously evolved to improve workflows and increase productivity and efficiency across Deltek’s solutions, with AI-fueled capabilities to enable users to generate content, inform decisions, and prescribe and automate actions. Dela also includes *Ask Dela*, a digital assistant, so customers can find the right information and make data-backed decisions more quickly.

New Dela Capabilities for Government Contractors

- To meet users within the tools they’re already using, the Costpoint™ MS Teams app provides access to information from *Ask Dela* within Costpoint, allowing users to access project data, ask questions, submit and approve timesheets and generate reports – without navigating away from messages – to automate tasks and streamline workflows.
- Smart Summaries™, which leverage generative AI to deliver executive briefings of companies’ historical performance and key insights, have expanded to GovWin IQ's™ Company Profiles.

New Dela Capabilities for Professional Services and Architecture and Engineering

- Smart Summaries within Deltek Vantagepoint™ enable users to leverage generative AI to pull concise project summaries and distill the essence of complex project datasets into digestible insights for review.
- Deltek Specpoint™ users can leverage the power of *Ask Dela* to accelerate research and get intelligent insights to help make the specification process quicker and easier. They can also chat with the AIA MasterSpec® library, supporting documents, and Specpoint Help.

Powering Transformation Through New Products

Deltek acquired ProPricer in early 2024 and has integrated its best-in-class estimating and pricing capabilities into Costpoint, enabling users to leverage existing data from those platforms when creating pricing proposals and maximize the chances of winning contracts.

Deltek also introduced Replicon time and PSA capabilities to the government contracting industry this year. AI-driven resource management capabilities from Dela help Costpoint

customers track resource availability and utilization, preventing cost overruns and ensuring compliance. Existing integrations with Replicon offer solutions to government contractors who need to comply with global labor regulations or complex labor union rules, no matter which ERP they're using.

Medidata Unveils Transformative Solutions and Collaborations at NEXT New York, Driving Paradigm Shift in Life Sciences and Healthcare

13 November 2024

Medidata, a Dassault Systèmes brand and leader of clinical trial solutions to the life sciences industry, is kicking off NEXT New York 2024, its premier life sciences conference. Uniting more than 1,000 healthcare customers and partners, the event will showcase AI-powered innovations that accelerate clinical trials, streamline data management, and enhance decision-making for life-saving therapies.

At the event, Medidata will unveil three experiences centered on the full ecosystem of clinical trials—data management, patient engagement, and study coordination—providing tools that streamline trial workflows and enhance patient lives. Powered by the world's largest collection of anonymized and de-identified historical clinical trial data, AI continues to be a foundational element in everything Medidata offers, allowing these experiences to be infused with machine learning and other technologies, such as Medidata Designer and Medidata Rave Lite.

"NEXT New York is our most important event of the year, and we're excited to share new insights and fresh approaches," said Anthony Costello, CEO, Medidata. "Across two days, we'll immerse our customers in clinical development, offering insights into our shift from individual products to integrated, patient-centered experiences. We'll also highlight strategies that simplify trial operations, enhance patient engagement, and prioritize effective data capture and integration from ever more complex sources."

The conference will feature over 35 customer and partner speeches, from Cogstate, Click Therapeutics, CNS Healthcare, Snowflake, and more, exploring such diverse topics such as AI's profound impact on clinical research, the extension of longitudinal relationships with patients, and more.

Conference participants will also engage in 28 breakout sessions covering topics that include AI-enabled trial design, central nervous system trials, and more. Additionally, they can join in on three immersive experiences, including the lifecycle of a site from the sponsor's perspective, a data point journey from acquisition to application, and a day-in-the-life of a clinical trial patient. These hands-on demos will provide exclusive insights into Medidata's cutting-edge solutions and site relationships.

To learn more about Medidata NEXT New York, click [here](#), and to register for virtual keynote sessions, click [here](#).

ModuleWorks Demonstrates Automation Technologies at Formnext 2024

11 November 2024

Formnext is the hotspot for Additive Manufacturing and we're there to showcase our newest solutions for next-level additive and hybrid manufacturing. A special highlight is a new 3D printer, powered by our automation technology. Visitors can drop by our booth and experience our software in action.

Where to find us:**Hall 11, Booth A29**

Here are some more highlights at our booth:

Layer-by-Layer Innovation with Polymer Printing

ModuleWorks Polymer Printing offers precise control over the printing speed together with intelligent parameterization and automatic process optimization. It simplifies workflows for complex geometries, eliminating support structures, minimizing waste and raising productivity for both filament and pellet printing.

Shaping the Future of Metal Manufacturing

ModuleWorks' metal additive technology offers advanced toolpath generation and simulation solutions that optimize accuracy, efficiency and control in 3D metal printing. It makes light work of complex geometries and customized structures while optimizing parameters for maximum deposition efficiency.

Automation Framework

Significantly speed up your programming with ModuleWorks Automation Framework. Discover automated manufacturing with minimal user interaction. The system calculates the toolpath from imported geometries and automatically creates consecutive operations to keep production moving for WAAM, DED, BAAM, Polymer Printing and Hybrid processes.

Live Technology Demonstration on a 3D Printer

Experience the ModuleWorks solutions in action on our new 3D printer. Powered by our Automation Framework, the printer's innovative design simplifies the set up for 5-axis printing. This streamlines the production of complex parts for safe, efficient and highly versatile printing.

Visitors can stop by our booth for a live demonstration to discover how this symbiosis of hardware and software unlocks the potential of additive manufacturing.

Discover More at Formnext 2024

Join us and the additive manufacturing world at [Formnext 2024](#).

We look forward to connecting with you in Frankfurt!

Simulations Plus to Participate in the Stephens Annual Investment Conference

6 November 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 that Shawn O'Connor, chief executive officer, will participate in a fireside chat at the Stephens Annual Investment Conference in Nashville, TN, on Wednesday, November 20, 2024, at 12:00 p.m. Eastern Time. In addition, Mr. O'Connor will host one-on-one meetings with investors throughout the day.

The live audio webcast of Mr. O'Connor's fireside chat can be accessed via this [link](#) and also on the [Investors](#) page of the Simulations Plus website where the replay will be available for 90 days following the event.

Trimble Showcases New Artificial Intelligence Innovations During Dimensions User Conference

11 November 2024

Trimble® gave attendees of its annual user conference, [Trimble Dimensions](#), an inside look at the company's latest initiatives to incorporate artificial intelligence (AI) into construction workflows to help automate processes, improve decision making and enhance productivity. With an extensive hardware and software portfolio, vast domain-specific datasets and deep industry expertise, Trimble is driving meaningful and transformative innovation with AI.

Across its suite of connected construction solutions, Trimble showcased real-world applications of AI that are designed to improve customer workflows, helping to create more efficient, cost-effective and safer construction projects.

SketchUp® Diffusion [Labs], a generative AI-powered tool available as part of the SketchUp Labs Program, allows architects and designers to create rendered images that inspire the creative process, communicate their vision and build alignment faster. Diffusion generates visualizations in seconds based on a natural language text prompt or a preset style to describe how the designer would like their 3D model and the surrounding environment rendered.

The [SketchUp Labs Program](#) is a public beta program that enables SketchUp subscribers to try new innovative features and provide feedback. To access the features in Labs, you must be a SketchUp subscriber. To purchase, visit the [SketchUp website](#) or the [Apple App Store](#).

ProjectSight®, Trimble's project management software for construction contractors, offers a new AI-driven capability that brings automation to project management workflows, improving efficiency and accuracy. This frees up construction professionals to spend more time on critical tasks. The new drawing import feature in ProjectSight uses AI to read and extract critical drawing information for improved project visualization.

Contractors can now access and install the software themselves by creating an account on the [ProjectSight website](#).

Trimble LiveCount uses new AI functionality to automatically detect and count thousands of symbols on construction drawings, saving contractors from hours of manual, repetitive and time-consuming tasks during takeoff. The ability to automatically detect and count different types of receptacles and switches — the most common electrical items on blueprints — helps electrical contractors create estimates faster, easier and more accurately.

Trimble LiveCount AI functionality is available exclusively in the Trimble Accubid® Anywhere (named user) and Hosted Accubid Classic Estimating Essentials subscriptions. For more information, visit mep.trimble.com/get-in-touch.

In the field, Trimble is incorporating AI into the processing of reality capture data, helping improve decision-making by assisting and automating point cloud segmentation, classification and feature extraction. AI built into **Trimble Business Center**, a field-to-finish survey CAD software, expedites tedious, repetitive activities such as point cloud classification and feature extraction. From managing assets and inspecting roads, to monitoring stockpile volumes at construction sites, the combination of hardware and AI for automated feature extraction rapidly collects high-quality data, accelerates workflows and provides access to the information needed to make knowledgeable decisions.

"Trimble has a long history of helping customers capture, share and use construction data for more productive, collaborative and profitable projects," said Aviad Almagor, vice president of technology and innovation at Trimble. "Our goal is to help customers do more with less, tackle key industry challenges and thrive in an increasingly complex industry. By incorporating AI into customer workflows, we're enhancing decision making and creativity, while also automating repetitive tasks to unlock new levels of efficiency."

Visit Mensch und Maschine and SOFiSTiK at BIM World MUNICH!

14 November 2024

Since 2016, BIM World MUNICH has been the leading network platform for digitalization in the construction, real estate and infrastructure sectors in the DACH region. With over 8,000 trade visitors, over 250 speakers and numerous innovative start-ups, this event offers a comprehensive opportunity to experience the entire BIM ecosystem and learn about current and future trends.

Mensch und Maschine (MuM) is your partner for AEC software solutions and BIM integration. As one of the leading companies in the field of CAD and BIM software and a partner of Autodesk, we offer our customers a broad portfolio of tailor-made solutions for construction planning and management. Especially in the AEC industry, we support our customers in realizing their projects more efficiently, sustainably and digitally. With innovative solutions, a strong network of partnerships and comprehensive know-how in all aspects of BIM, we are a reliable partner for digitalization in the construction industry. We also offer a wide range of training courses, advice and technical services that optimally support the application and integration of BIM systems.

Our special trade fair highlights

- **MuM booth no. 55:**
Learn more about our latest BIM and AEC solutions and get to know our comprehensive product and service portfolio.
- **SOFiSTiK at the MuM booth:**
SOFiSTiK, as part of our group and expert in structural analysis and bridge construction,

also presents its specialized BIM solutions and software products for building construction and infrastructure planning. Together we offer innovative solutions for the complex challenges of the construction industry.

- **Autodesk stand right at the entrance:**

As an Autodesk partner, we are pleased to be represented at the Autodesk stand. Use this opportunity to find out more about the latest Autodesk technologies and how they can be used in your projects.

Learn from the best with us and our partners at BIM World MUNICH and shape the future of construction with us!

The program for BIM World MUNICH 2024 can be found [here](#).

*This has been translated from German via Google Chrome Translate.

Xometry to Participate in 2024 RBC Capital Markets Global Technology, Internet, Media and Telecommunications Conference

11 November 2024

Xometry, Inc., the global AI-powered marketplace connecting enterprise buyers with suppliers of manufacturing services, announced participation including a fireside chat at the RBC Capital Markets Global Technology, Internet, Media and Telecommunications (TIMT) Conference on Wednesday November 20, 2024 at 9:20 a.m. ET.

A webcast and replay of the presentation will be accessible within the Investor Relations section of Xometry's website.

Xometry's two-sided AI-powered marketplace plays a vital role in the rapid digital transformation of the manufacturing industry. Xometry's proprietary technology shortens development cycles, drives efficiencies within corporate environments and helps companies create resilient supply chains. Xometry's product portfolio includes its industry leading digital marketplace; popular Thomasnet® industrial sourcing platform, and cloud-based tools and centralized project management software for large, mission-critical projects.

Financial News

Hewlett Packard Enterprise to present live audio webcast of fiscal 2024 fourth quarter earnings conference call

14 November 2024

Hewlett Packard Enterprise will conduct a live audio webcast of its conference call to review its fourth quarter and full year financial results for fiscal 2024, which ended October 31, 2024.

The call is scheduled for Thursday, December 5, at 4:00 p.m. CT (5:00 p.m. ET), and the webcast will be available at www.hpe.com/investor/2024Q4Webcast.

A replay of the webcast will be available at the same website shortly after the call and will remain available for approximately one year. For additional information, see investors.hpe.com.

KORE Reschedules Third Quarter 2024 Financial Results and Live Webcast

12 November 2024

KORE Group Holdings, Inc. ("KORE" or the "Company"), the global pure-play Internet of Things ("IoT") hyperscaler, and provider of IoT Connectivity, Solutions and Analytics announced that it expects to restate its second quarter 2024 financial statements and, as a result, is rescheduling the release of the Company's financial results for the third quarter of 2024 and live webcast to discuss those results from previously scheduled November 13, 2024 at 5PM ET to November 19, 2024 at the same time.

The Company's management, in consultation with the Audit Committee of the Company's Board of Directors and in consultation with BDO USA, P.C., the Company's independent registered public accounting firm, concluded that the Company's previously issued unaudited condensed consolidated financial statements contained within the Quarterly Report on Form 10-Q for the quarter ended June 30, 2024 should no longer be relied upon due to errors in computing a non-cash goodwill impairment charge. The restatement is not expected to have any impact on the Company's revenues, cash flows or Adjusted EBITDA for the period affected.

The Company intends to file a Form 10-Q/A for the quarter ended June 30, 2024, which will include restated unaudited condensed consolidated financial statements by November 19, 2024.

KORE will also now release its third quarter 2024 financial results on November 19, 2024, following the U.S. market closing. KORE will also host a live webcast, followed by a question-and-answer period the same day at 5:00 p.m. Eastern time (2:00 p.m. Pacific time) to discuss the financial results. The delay is to allow KORE additional time to complete the review of the financial statements to be included in the Company's Form 10-Q for the quarter ended September 30, 2024 and to complete the restated financial statements to be included in the Company's Form 10-Q/A for the quarter ended June 30, 2024.

Date: November 19, 2024

Time: 5:00 p.m. Eastern time (2:00 p.m. Pacific time)

Webcast Event: [Link](#)

U.S. dial-in: (877) 407-3039

International dial-in: (215) 268-9922

Conference ID: 13749781

Logility Announces Date of Second Quarter Fiscal Year 2025 Financial Results and Earnings Call

11 November 2024

Logility Supply Chain Solutions, Inc. (Logility), a leader in AI-first supply chain planning software, announced that it will release its second quarter fiscal year 2025 financial results after the U.S. financial markets close on Thursday, November 21, 2024.

In conjunction with the release, the company will host a conference call at 5:00 pm ET to discuss its results with the investment community.

Logility Second Quarter Fiscal Year 2025 Earnings Call

Date: Thursday, November 21, 2024

Time: 5:00 pm ET

Webcast: <https://events.q4inc.com/attendee/584175710>

A live webcast and replay of the call will also be accessible via the investor relations page of Logility's website at www.logility.com/company/investor-relations/financial-news.

Matterport Announces Record Third Quarter 2024 Financial Results

12 November 2024

Matterport, Inc. ("Matterport" or the "Company"), the leading spatial data company driving the digital transformation of the built world, announced financial results for the quarter ended September 30, 2024.

"I'm pleased to share our third-quarter 2024 results, highlighting our continued success driving efficient growth," said RJ Pittman, Chairman and CEO of Matterport. "Total square feet managed reached 47.3 billion, up 34% year-over-year, with annual recurring revenue hitting a record \$101.5 million, an 11% increase year-over-year," Pittman added. "Our Fall 2024 Release introduced groundbreaking AI-powered tools designed to elevate digital twin applications and real estate listings. With one-click defurnishing and automated property descriptions from a Matterport digital twin, customers save time, streamline workflows, and enhance their listings. Features like 3D model merge, field tags, and bill-back processing bring unmatched speed, efficiency, and precision to managing spaces at scale for agents, contractors, and enterprise teams alike."

"We believe our innovation pipeline is the strongest it's ever been, and with customers raving about our Fall 2024 Release, we're setting the stage for more bold, product-led growth in 2025," Pittman concluded.

"Our strong third quarter performance propelled the company to a new record for total revenue, \$43.8 million, up 8% year-over-year" said JD Fay, Chief Financial Officer of Matterport. "Further, our continued focus on operating expense discipline helped deliver near break-even results, yielding a non-GAAP loss per share of just \$0.01. These results demonstrate that customers continue to adopt Matterport while underscoring our commitment to growth and profitability."

Third Quarter 2024 Financial Highlights

- Square feet under management reached 47.3 billion, up 34% year-over-year

- Spaces under management reached 13.6 million, up 22% year-over-year
- Total subscribers reached 1.1 million, up 25% year-over-year
- Subscription revenue of \$25.4 million, up 11% year-over-year
- Annualized Recurring Revenue (ARR) was \$101.5 million
- Total revenue was \$43.8 million
- Net loss of \$0.12 per share; Non-GAAP net loss of \$0.01 per share, which is a 75% improvement year-over-year
- Cash used in operating activities was \$18.6 million for the first nine months of 2024, a 61% improvement year-over-year

Recent Business Highlights

- Announced the Fall 2024 Release, a groundbreaking suite of new tools designed to reshape the way professionals design, build, and market properties. Through the power of generative AI, Matterport users can now easily reimagine the potential of any space, transforming digital twins from static replicas into dynamic canvases for creativity.
- Announced that Matterport is contributing to the promotion of digital twin use by Tokyu Construction Co., Ltd., an advanced digital utilization company in civil engineering and infrastructure construction. Matterport's digital twin solutions are used in a wide range of phases of construction projects, including current status surveys, completed form management, streamlining and enhancing the scanning of point cloud data, and facilitating consensus building and communication among construction-related parties.
- In August, Matterport released its third Environmental, Social, and Governance Report which sets ambitious targets for the Company's top ESG priorities, including reducing emissions and fostering gender equality in the workplace. The new Report also showcases the Company's success helping its more than one million subscribers reduce their own carbon emissions by using Matterport's digital twins to reduce travel to the more than 13 million spaces that are on the Matterport digital twin platform.

Transaction with CoStar Group, Inc.

Given the pending acquisition of Matterport by CoStar Group, Inc. that was announced on April 22, 2024, Matterport will not be holding a conference call or live webcast to discuss quarterly financial results. Also, in light of the pending transaction, the Company had previously suspended its financial guidance for the full fiscal year 2024 and will not be providing financial guidance for the upcoming fiscal quarter. At a special meeting of stockholders held on July 26, 2024, Matterport stockholders approved the transaction with CoStar Group, Inc. The completion of the transaction remains subject to the expiration or termination of the waiting period imposed by the Hart-Scott Rodino Antitrust Improvements Act of 1976, as amended, and the satisfaction or waiver of the other closing conditions specified in Matterport's agreement with CoStar Group, Inc. The transaction is expected to close in the fourth quarter of 2024 or the first quarter of 2025.

Roadzen Reports Fiscal Second Quarter and First Half FY2025 Financial Results

13 November 2024

Roadzen Inc. ("Roadzen" or the "Company"), a global leader in AI at the convergence of insurance and mobility, announced its second quarter and six-month financial results for the period ended September 30, 2024.

Rohan Malhotra, Founder and CEO of Roadzen, stated, "This quarter marked substantial progress in revenue acceleration, product development, and cost reduction. With 33% sequential revenue growth and a 25% improvement in Adjusted EBITDA loss from the prior quarter, we are advancing our long-term strategy. We expect revenue momentum to continue in the second half of FY25 as we aim to resume U.K. sales and pursue growth in the U.S. and India."

Malhotra continued, "The verticalization of AI for legacy industries like insurance presents a generational opportunity, and our pioneering work at the convergence of AI, insurance and mobility delivers a better auto insurance experience to clients across the world. Our technology enables precise risk assessments, personalized pricing, real-time claims management, and accident prevention. The launch of MixtapeAI is one of our most significant product unveilings in recent years, and we are leveraging it to drive internal improvements, reduce operating costs, and transform customer interactions. Our shareholders have shown immense confidence in our vision to build one of the leading AI companies in the public markets, and we are committed to repaying that confidence through our execution."

Roadzen's Chief Financial Officer, Jean-Noël Gallardo, added, "Our efforts on improving the Company's balance sheet yielded significant progress during the second quarter. Total accounts payable and accrued expenses were reduced by \$4.0 million, an 11% decrease over the first quarter. We also continued to increase global operational efficiencies powered by our own AI models, enabling us to reduce headcount, consuming fewer resources while achieving results. Going forward, we expect to reap additional benefits from the continued optimization of our operations, which will be reflected in the second half of the year."

Second Quarter and First Half Financial Highlights:

Revenue and Key Performance Indicators

- Revenue for the second quarter totaled \$11.9 million, an increase of 33% over the first quarter as the Company achieved organic growth across U.S. and India. Year-over-year, revenue for the quarter decreased by \$3.6 million, or 23%, over the prior year quarter. Revenue for the six months ended September 30, 2024, was \$20.8 million, a decrease of \$0.3 million, or 1.3%, when compared to the same period last year. The revenue decrease for both periods was primarily due to the temporary countrywide suspension of GAP insurance sales by the U.K. Financial Conduct Authority for all insurance carriers. The Company is currently making plans to resume GAP product sales by the fourth quarter of this fiscal year.

- As of September 30, 2024, Roadzen had 34 insurance customer agreements (including carriers, self-insureds and other entities processing insurance claims), 74 automotive customer agreements, and approximately 3,550 agents and fleet customer agreements.
- Roadzen sold 70,618 policies during the second quarter generating \$10.1 million of Gross Written Premium (“GWP”), compared to 78,009 policies in the prior fiscal year second quarter, producing \$20.6 million of GWP, with the difference entirely coming from the U.K. market. In addition, 607,577 claims, roadside assistance and vehicle inspections were conducted during the three months ending September 30, 2024, compared to 406,897 for the same period in the prior year.

Expenses and Net Results

- Operating expenses for the second quarter, excluding Cost of Services and Depreciation and Amortization, totaled approximately \$30.0 million, an increase of \$13.8 million compared to the prior year quarter due primarily to \$20.7 million of non-cash equity compensation expense related to RSUs granted to employees a year ago, partially offset by a decrease in Sales & Marketing expenses in the U.K. while GAP product sales were temporarily halted.
- Operating expenses for the six-month period, excluding Cost of services and Depreciation and Amortization increased \$40.5 million over the prior year six-month period to \$63.4 million, reflecting \$42.1 million in non-cash RSU employee compensation expense. The 9.9 million RSUs granted in September 2023 have been fully accounted for and will have no further impact on the Company’s quarterly results; we will continue to incur expenses for newly issued RSUs.
- The Company reported Other Income of \$1.5 million for the quarter, compared to Other Expense of \$23.6 million the same quarter last year. The Company reported Other Expenses of \$16.4 million and \$23.7 million for the six-month periods ending September 30, 2024 and 2023, respectively. The \$7.3 million decrease reflects lower non-cash fair market valuation adjustment in the current year period of \$5.3 million partially offset by an increase of \$613,000 in interest expense, primarily due to an increase in borrowings from banks.
- In total, the net loss for the second quarter of \$21.8 million or \$(0.32) per share includes \$19.7 million of non-cash, non-recurring and other extraordinary items that, when excluded, result in an Adjusted EBITDA loss of \$2.1 million, or \$(0.03) per share. This compares to an Adjusted EBITDA loss of \$3.6 million or \$(0.16) per share in the second quarter of the prior year and \$2.9 million or \$(0.04) per share in the first quarter.
- The Company’s average monthly cash used in operating activities during the second quarter totaled approximately \$1.9 million, an \$82,000 decrease from the first quarter and a \$3.2 million decrease over the same quarter last year, during which Roadzen had only just established operations in the U.S. and U.K.

Balance Sheet

- Cash and equivalents at September 30, 2024 totaled \$6.0 million, a decrease of \$1.8 million as compared to the June 30, 2024 balance of \$7.8 million.
- Assets totaled \$29.1 million at September 30, 2024, compared to \$34.1 million as of June 30, 2024, a decrease of approximately 14.7% predominately due to a reduction in cash and a \$2.5 million reduction in the prepayment balance resulting from a fair value adjustment of a forward purchase agreement.
- Total liabilities were \$63.4 million at September 30, 2024, a decrease of \$3.7 million from June 30, 2024 and \$5.2 million less than March 31, 2024, predominately reflecting a \$4.3 million reduction in payables and accrued expenses during the quarter. The Company's current liabilities totaled \$61.0 million at September 30, 2024, which includes approximately \$15.7 million in Accrued Expenses assumed by Roadzen in connection with the September 2023 Business Combination, and \$13.2 million in liabilities to Mizuho Securities USA LLC ("Mizuho") that includes short-term borrowings of \$11.5 million and a \$1.7 million fair valuation of warrants granted as part of the Mizuho debt agreement.
- Long-Term debt totaled approximately \$1.3 million at September 30, 2024, roughly in line with both year end and first quarter figures.

Second Quarter Financial Developments

- The Company announced in a press release that it is focused on strengthening and right sizing the balance sheet while addressing the accrued expenses and stock considerations it inherited through its September 2023 business combination with Vahanna Tech Edge Acquisition I Corp. As previously announced, during the second quarter, Roadzen entered into definitive agreements with certain related parties including Avacara Pte Ltd, and Pi Capital International Inc. and its affiliate Marco Polo Securities, Inc., entities controlled by the CEO and the Chairman of Roadzen, respectively, to swap \$3.5 million in debt for equity at \$2.80 per share; Mizuho agreed to extend its \$7.5 million senior secured 15% note and provided an additional \$4.0 million in cash under the same terms, bringing the total principal to \$11.5 million; and at the end of the second quarter, shareholders holding approximately 56 million shares of the Company agreed - with no additional considerations - to extend their lock-up agreements for another twelve months to September 20, 2025.

Second Quarter FY2025 Operational Highlights

New Product Launch – Subsequent Development

October 30, 2024, Roadzen's AI Lab unveiled MixtapeAI, a platform designed to power AI agents and transform customer interactions in the insurance and mobility sectors. With MixtapeAI, insurers, brokers, agents, carmakers, and fleets can deliver natural, intelligent, personalized, quick, and secure customer responses, while automating complex workflows across multiple touchpoints.

Roadzen intends to initially deploy MixtapeAI internally by leveraging the technology to make internal administration functions more efficient and cost-effective. Roadzen has received strong, positive feedback on early demonstrations with select longstanding Roadzen customers.

Siemens - Strong fourth quarter completes successful fiscal 2024

14 November 2024

In fiscal 2024 (ended September 30, 2024), Siemens successfully continued its profitable growth trajectory, made important strategic progress and achieved record highs as a leading technology company.

“In another successful fiscal year, we delivered record profit and stringently executed our strategy. In particular, we benefited from continuing strong demand for electrification, transportation and our industrial software offerings while our automation business remained challenging,” said Roland Busch, President and CEO of Siemens AG. “Starting in fiscal 2025, we will take Siemens to the next level of value creation. We will continue to invest in R&D and M&A to secure faster growth based on our technological strengths and ability to scale across industries. Our planned acquisition of Altair reinforces our leadership in industrial software and AI. Our ability to combine the real and digital worlds is unmatched.”

“At €9.5 billion, we again achieved excellent free cash flow in fiscal 2024,” said Ralf P. Thomas, Chief Financial Officer of Siemens AG. “In addition, we are sticking to our path of stringent capital allocation by using our strong balance sheet as the basis for continuing our focused investments in profitable growth while generating attractive returns for the owners of our company. Our shareholders will benefit from the proposed increase of our dividend to €5.20 and from a corresponding dividend yield of 2.9 percent.”

Net income at historic high – Outstanding free cash flow

In fiscal 2024, Siemens increased revenue 3 percent on a comparable basis to €75.9 billion (fiscal 2023: €74.9 billion). Orders declined 4 percent on a comparable basis to €84.1 billion (fiscal 2023: €89.4 billion). At 1.11, the book-to-bill ratio was at a strong level (fiscal 2023: 1.19).

Profit Industrial Business rose 1 percent to €11.4 billion (fiscal 2023: €11.3 billion). At 15.5 percent, the profit margin of the Industrial Business reached the very strong level of fiscal 2023.

At €9.0 billion, net income reached a historic high (fiscal 2023: €8.5 billion). Corresponding basic earnings per share before purchase price allocation accounting (EPS pre PPA) rose to €11.15 (fiscal 2023: €10.77). Excluding Siemens Energy Investment, which contributed €0.61 to EPS pre PPA, EPS pre PPA totaled €10.54 and achieved the guidance (€10.40 to €11.00). At €9.5 billion, free cash flow all-in at Group level from continuing and discontinued operations was again at an outstanding level (fiscal 2023: €10.0 billion).

The sale of Innomatics, which was completed after the close of fiscal 2024, resulted in a preliminary gain after tax of €2.0 billion in fiscal 2025. This gain will be disclosed in income from discontinued operations, net of income taxes.

Strong finish in Q4

In Q4, orders rose 10 percent on a comparable basis to €22.9 billion (Q4 2023: €21.2 billion). This rise is to be attributed to very strong growth at Mobility and a considerable increase at Smart Infrastructure. Revenue also rose 2 percent on a comparable basis to €20.8 billion (Q4 2023: €20.6 billion) with growth at Smart Infrastructure, Mobility and Siemens Healthineers, which was mostly offset by a decline in the automation business at Digital Industries.

Profit Industrial Business decreased to €3.1 billion. This result is attributable to a sharp decline at Digital Industries due predominantly to the automation business. The other industrial businesses – led by Smart Infrastructure, which achieved its highest-ever quarterly result – increased their profit levels. The profit margin of the Industrial Business reached 15.5 percent.

Net income rose to €2.1 billion, a significant increase compared to Q4 2023, in which net income of €1.9 billion had been burdened by a loss of €0.2 billion in connection with Siemens Energy Investment and a higher tax rate.

At €5.0 billion, free cash flow all-in at Group level from continuing and discontinued operations reached an outstanding level.

“ONE Tech Company” program to drive next level value creation

Building on its position of strength as a leading technology company, Siemens has launched the ONE Tech Company program to achieve the next level of performance and value creation. The program aims to ensure that the company leverages the opportunities arising from the historic market shifts that mark a turning point and from technological disruptions. The goal is to achieve stronger customer focus, faster innovation and higher profitable growth. Siemens will implement the ONE Tech Company program to accelerate the execution of the existing strategy, which is summarized as “to combine the real and digital worlds.” Elements of the program include the planned inorganic investment in Altair Engineering to strengthen Siemens’ leadership position in industrial software and the creation of Foundational Technologies as the unit to scale core technologies across the company.

Outlook for fiscal 2025

This outlook for the Siemens Group is based on the assumption of moderate macroeconomic growth in fiscal 2025, due in part to continuing geopolitical uncertainty including trade conflicts, and also to ongoing challenges for the manufacturing sector due to overcapacity and weak consumer demand. At the same time, infrastructure markets, particularly in electrification and mobility, remain strong.

For the Siemens Group, comparable revenue growth (net of currency translation and portfolio effects) in the range of 3 percent to 7 percent and a book-to-bill ratio above 1 are expected.

Digital Industries expects for fiscal 2025 a change in comparable revenue, net of currency translation and portfolio effects, in a range of (6) percent to 1 percent and a profit margin of 15 percent to 19 percent.

Smart Infrastructure expects for fiscal 2025 comparable revenue growth of 6 percent to 9 percent and a profit margin of 17 percent to 18 percent.

Mobility expects for fiscal 2025 comparable revenue growth of 8 percent to 10 percent and a profit margin of 8 percent to 10 percent.

Siemens expects basic EPS from net income before purchase price allocation accounting (EPS pre PPA) for fiscal 2025 in a range of €10.40 to €11.00, excluding the gain from the sale of Innomotics; the preliminary gain of €2.0 billion after tax will be recorded in the first quarter of fiscal 2025. For comparison, EPS pre PPA in fiscal 2024 was €10.54 excluding a positive €0.61 per share from Siemens Energy Investment.

This outlook excludes burdens from legal and regulatory matters.

Stratasys Releases Third Quarter 2024 Financial Results

13 November 2024

Stratasys Ltd. (Nasdaq: SSYS) (“Stratasys” or the “Company”), a leader in polymer 3D printing solutions, today announced financial results for the third quarter of 2024.

Third Quarter 2024 Financial Results Compared to Third Quarter 2023:

- Revenue of \$140.0 million, compared to \$162.1 million, reflects ongoing impacts from current macroeconomic environment on customer capital equipment spending.
- GAAP gross margin of 44.8%, compared to 40.5% and non-GAAP gross margin of 49.6%, compared to 48.3%.
- GAAP operating loss of \$25.5 million, compared to an operating loss of \$42.8 million.
- Non-GAAP operating loss of \$0.1 million, compared to non-GAAP operating income of \$4.1 million.
- GAAP net loss of \$26.6 million, or \$0.37 per diluted share, compared to a net loss of \$47.3 million, or \$0.68 per diluted share.
- Non-GAAP net income of \$0.4 million, or \$0.01 per diluted share, compared to non-GAAP net income of \$2.4 million, or \$0.04 per diluted share.
- Adjusted EBITDA of \$5.1 million, compared to \$9.8 million.
- Cash used in operating activities of \$4.5 million, compared to \$12.7 million.

Dr. Yoav Zeif, Stratasys’ Chief Executive Officer, stated, "Our decisive actions to realign our business with current market realities are starting to yield results. We have successfully begun to transform the company through cost optimization and by focusing on higher-growth opportunities. Our flagship F3300 platform is gaining significant traction in the marketplace, while our expansion into our key target industries of Aerospace, Automotive and Healthcare continues to expand. Most importantly, we returned to non-GAAP profitability in the third quarter, overcoming ongoing revenue pressures, further demonstrating the effective execution of our business plan by our entire team."

Dr. Zeif continued, "The fundamental strength of our business is evident in our improved margins and continued robust balance sheet. Our recurring revenue from Consumables continues to grow, particularly in FDM technology utilization for manufacturing purposes, partially offsetting hardware sales that remain impacted by macro conditions. This validates both our recurring revenue model and our customers' accelerating shift from prototyping to manufacturing applications. With our restructuring plan ahead of schedule and on track to deliver \$40 million in annual cost savings starting in the first quarter of next year, we are well-positioned to deliver increased revenue growth, profitability and cash flow in 2025, to address the pent-up demand once market conditions improve."

2024 Financial Outlook:

Based on current market conditions and assuming that the impacts of global inflationary pressures, relatively high interest rates and supply chain costs do not impede economic activity further, the Company is maintaining its revenue outlook and raising its margins and profitability outlook for 2024 as follows:

- Revenue of \$570 million to \$580 million.
- Non-GAAP gross margins between 49.0% to 49.2%.
- Operating expenses in the range of \$276 million to \$278 million.
- Non-GAAP operating margins to range between 0.6% to 1.3%.
- GAAP net loss of \$105 million to \$90 million, or (\$1.48) to (\$1.27) per diluted share.
 - Includes one-time extraordinary costs associated with Stratasys' strategic alternatives process.
- Non-GAAP net income of \$2.1 to \$5.0 million, or \$0.03 to \$0.07.
- Adjusted EBITDA of \$25 million to \$28 million.
- Capital expenditures of \$15 million to \$20 million.

Non-GAAP earnings guidance excludes \$30 million to \$32 million of share-based compensation expense, \$25 million to \$27 million of projected amortization of intangible assets, and reorganization and other expenses of \$39 million to \$45 million. Non-GAAP guidance includes tax adjustments of \$2 million to \$3 million on the above non-GAAP items.

Appropriate reconciliations between GAAP and non-GAAP financial measures are provided in a table at the end of our press release and slide presentation, with itemized detail concerning the non-GAAP financial measures.

Stratasys Ltd. Third Quarter 2024 Webcast and Conference Call Details

The Company plans to webcast its conference call to discuss its third quarter 2024 financial results on Wednesday, November 13, 2024, at 8:30 a.m. (ET).

The investor conference call will be available via live webcast on the Stratasys Web site at investors.stratasys.com, or directly at the following web address:

<https://event.choruscall.com/mediaframe/webcast.html?webcastid=xEC56y1o>

To participate by telephone, the U.S. toll-free number is 877-407-0619 and the international dial-in is +1-412-902-1012. Investors are advised to dial into the call at least ten minutes prior to the call to register. The webcast will be available for six months at investors.stratasys.com, or by accessing the above-provided web address.

Implementation Investments

Accenture and PUMA India Collaborate to Build Next Gen Supply Chain Network

13 November 2024

Sports brand PUMA India and Accenture have teamed up to further strengthen PUMA's supply chain and distribution network in the country. By leveraging Accenture's expertise in digital twin technology, the collaboration aims to drive faster fulfillment and reduce operational costs for the company.

Accenture's advanced analytics-led solution has redesigned PUMA India's supply chain and distribution model, spanning large hubs and regional warehouses, to meet consumer demand across all states and union territories with enhanced efficiency. With this, the sports brand is further redefining its fulfillment centre layouts, improving material flow, and enabling faster dispatches — ensuring it stays ahead of evolving consumer expectations with quicker deliveries and reduced shipping costs.

Accenture's solution, set to be implemented across PUMA India's eCommerce and offline channels, aims to increase order speed of delivery by up to 70% and reduce supply chain costs by up to 10%. It is also expected to help the company double its express-delivery capabilities for online orders.

Commenting on the collaboration, Karthik Balagopalan, managing director of PUMA India, said, "As the leading sports brand in a competitive and growing digital commerce market, speed and efficiency are key to providing an excellent brand experience and building customer loyalty. To keep up our growth momentum and serve our customers better, we are constantly looking at ways to improve our processes and the quality of distribution. Working with Accenture as our consultant to design a mature, analytics-powered future ready supply chain and distribution network will allow us the flexibility to adapt and scale our operations as per the evolving needs of our huge customer base across tiers."

Saurabh Kumar Sahu, who leads Accenture's India business, added, "Consumers have an array of choices in products, channels, prices, and delivery options. Brands wanting to successfully compete for share of mind and wallet need to reinvent their supply chains to improve speed to market, scale their operations, and become more agile, relevant, and sustainable. Using advanced analytics, this collaboration builds a solid foundation to drive profitability, operational efficiency, and sustainability for PUMA in India."

The collaboration is expected to help PUMA India achieve its sustainability goals faster, through reduction in carbon emissions by being closer to both consumers and suppliers. Accenture has

also worked with third-party logistics partners to equip PUMA India's fulfillment centers with sustainable infrastructure such as solar power, reusable assets, and electric vehicle (EV) charging stations.

Altair Collaborates with Aerospace Startup Moya Aero to Develop eVTOLs

13 November 2024

Altair, a global leader in computational intelligence, has signed a collaboration agreement with aerospace startup Moya Aero as part of Altair's Aerospace Startup Acceleration Program (ASAP). Within the agreement, Moya Aero will leverage an array of solutions in the Altair® HyperWorks® design and simulation platform and the organizations will collaborate in the development of eVTOL and unmanned aerial vehicles.

"The ASAP program aims to boost the development of startups in the aerospace and defense sector and gives enterprises access to our powerful technology solutions and specialized technical support and expertise," said Pietro Cervellera, senior vice president of aerospace and defense, Altair. "Our goal is to expand Altair's presence in Brazil and empower startups with industry-leading technology."

"Moya Aero is focused on providing an autonomous aircraft for sustainable and efficient cargo transportation," said Alexandre Zaramela, chief executive officer and chief technical officer, Moya Aero. "Our goal is to be the market leader in high-capacity unmanned aerial vehicles and boost this type of delivery in untapped markets. Altair's technology will help our team create safer, more reliable, and more efficient designs that increase our products' market competitiveness."

Moya Aero will utilize the Altair® HyperWorks® design and simulation platform to enable engineering improvements throughout the design life cycle. These tools will help the company reduce product development time, slash prototyping and testing costs, and increase efficiency of the team's system design and analysis process.

Moya Aero is an aerospace startup founded in 2020 as a spin-off from ACS-Aviation, and is headquartered in São José dos Campos, Brazil. The company's goal is to complement existing cargo delivery channels with vehicles that are more accessible, affordable, efficient, and sustainable. More broadly, the company seeks to open new opportunities in the world of logistics and develop innovative, unmanned, all-electric products.

Altair Signs Collaboration Agreement with the European Space Agency

12 November 2024

Altair, a global leader in computational intelligence, has entered into collaboration agreement with the European Space Agency (ESA) through the ESA Partnership Initiative for Commercialisation (EPIC). Through a letter of intent, Altair's aerospace technology within the Altair® HyperWorks® and Altair® RapidMiner® platforms will be made available to all startups, companies, research centers, and universities throughout Europe who are collaborating with ESA or developing technologies with ESA support.

“ESA is a reference point for anyone working in the space sector in Europe and across the world, constantly working with its local agencies to foster innovation throughout its programs. For Altair, partnering with ESA represents the coming together of two pioneers in the aerospace industry,” said Pietro Cervellera, senior vice president of aerospace and defense, Altair. “We are delighted to work together with the ESA to offer access to our simulation, AI, and data analytics solutions. Our tools help accelerate and de-risk the exploration of disruptive ideas and further our mission of creating a safer, more connected, and more sustainable aerospace industry.”

Within EPIC, Altair’s AI-powered engineering technology will enable ESA-supported startups to develop and test their products faster, giving them an opportunity to more quickly create minimum viable products (MVP) – a key step in obtaining funding and reaching commercialization. Crucially, the initiative gives aerospace startups access to the same Altair simulation, data analytics, and AI technology used by the world’s leading aerospace organizations – along with Altair’s best-in-class consulting and technical mentorship.

“With nearly 40 years of domain expertise in the industry, Altair’s broad technology portfolio plays a leading role in countless aerospace organizations worldwide,” said Joana Kamenova, EPIC lead, ESA. “We look forward to helping expand the reach of Altair’s technology so organizations throughout Europe can leverage the best-in-class tools necessary to usher in the next generation of space innovation.”

Joining the EPIC initiative further solidifies Altair’s status as a leader in the aerospace industry and reinforces its commitment to industry-wide innovation. With its diverse, scalable, and unified technology portfolio and consulting expertise, Altair helps aerospace organizations of all kinds navigate the evolving digital landscape, build solutions at speed, and scale them across the organization.

Established in 2022, EPIC connects corporate, academic, and institutional partners with ESA-supported startups. It aims to foster entrepreneurship and enhance the commercialization pathway of European startups by streamlining access to leading technology. EPIC reaches into the world’s largest space innovation network, including ESA Business Incubation Centres (ESA BICs), ESA Technology Brokers, ESA Φ -labNET, ESA Φ -lab (ESRIN), and the InCubed Earth Observation commercialization program, along with the hundreds of startups these programs support. Overall, EPIC connects EPIC partners and ESA startups to broaden the reach of the innovation ecosystem and further diversify the aerospace industry.

Aspen Technology Chosen to Optimize Renewable Generation For Iceland’s Largest Power Producer

14 November 2024

Aspen Technology, Inc., a global leader in industrial software, announced a strategic partnership with Landsvirkjun, the largest power producer in Iceland. The utility will be implementing AspenTech OSI Digital Grid Management software that will enable it to enhance real-time control and optimize power generation, ensuring the secure and efficient management of its 18 plants across Iceland.

Landsvirkjun is the National Power Company of Iceland and is a pioneer in utilizing renewable resources, generating approximately 70% of the nation's electricity from hydroelectric, geothermal, and wind sources. With Iceland's electricity sector almost completely reliant on renewable energy, and much of its electricity generated by hydroelectric power stations, Landsvirkjun plays a critical role in power generation for the nation.

"This partnership with AspenTech focuses on helping to ensure reliable and efficient power generation for Iceland," said Gunnar Guðni Tómasson, EVP of Hydropower at Landsvirkjun. "AspenTech's Digital Grid Management solutions will help us to more efficiently obtain data for analysis, support faster and more accurate decision-making and enable us to operate our power stations optimally to meet power demand."

Sally Jacquemin, Vice President and General Manager, Power and Utilities at AspenTech, added, "AspenTech is committed to providing innovative digital solutions that support our customers in achieving their operational performance and sustainability goals. The collaboration with Landsvirkjun underlines the importance of integrating large scale renewables on the grid and the flexibility of our solutions to support the unique energy frameworks of our partners around the world."

Landsvirkjun is implementing AspenTech OSI Digital Grid Management software that includes SCADA, Generation Management and Historian capabilities to significantly support the operational efficiency and resiliency of the utility. The deployment enables more efficient power generation bolstering the resilience of Iceland's energy infrastructure with digital capabilities such as production costing and economic dispatch, schedule optimization, real-time control, data historization and advanced reporting.

Atwoods Ranch & Home Goods Selects Tecsys' OrderDynamics® OMS to Enhance Customer Shopping Experience

7 November 2024

Tecsys Inc., a global leader in supply chain management solutions, announced that Atwoods Ranch & Home Goods, a leading retailer in farm and ranch products, has selected OrderDynamics®, Tecsys' order management system (OMS), to optimize omnichannel order fulfillment across more than 75 retail outlets and online store. This initiative supports Atwoods' focus on elevating the customer experience by providing a more streamlined buyer journey across retail channels.

Founded over 60 years ago, Atwoods operates across five states, more than 75 physical locations and online. The retail chain sells a variety of goods across several categories such as apparel, footwear, pet food, as well as farm and home supplies. With brands like Ariat, Wrangler, Carhartt, Purina, Hill's Science Diet and Blue Buffalo, among many more, Atwoods offers a wide range of products in its family-friendly stores.

By leveraging OrderDynamics, Atwoods Ranch & Home Goods will unify its online and physical store operations, offering customers real-time inventory visibility and streamlined order processing. The system enables advanced order routing and order consolidation, as well as

store fulfillment, ship-to-home and Buy Online Pickup in Store (BOPIS) functionality. This integration is set to modernize the way Atwoods customers shop, providing a seamless transition between online browsing and in-store purchasing.

"Atwoods is committed to enhancing our customer experience through technological innovation," said Preston Atwood, director of Finance at Atwoods Ranch & Home Goods. "Selecting Tecsys allows us to offer a more cohesive and efficient shopping experience, aligning with our mission to provide quality products and exceptional service."

The OrderDynamics OMS is recognized for its ability to optimize retail operations, ensuring that customers have access to a wide range of products with ease and convenience. This system will enable Atwoods to manage its inventory more effectively, fulfill orders more efficiently, and provide a higher level of service to its valued customers.

"We are delighted to support Atwoods in their pursuit of omnichannel commerce and customer service excellence," expressed Adam Krajewski, vice president of Retail at Tecsys. "Atwoods stands out for their commitment to their customers, and we are privileged to contribute to their ongoing success."

City of Redmond to Streamline Capital Program Management Using Aurigo Masterworks

5 November 2024

[Aurigo Software](#), the leading provider of capital planning and construction management software for infrastructure and private owners, announced it has entered into a multiyear contract with the City of Redmond, Washington, to modernize its Capital Improvement Program. Aurigo's flagship product suite, Masterworks, will help the agency prioritize project investments and create long-range capital plans while providing real-time reports and forecasts throughout the program's phases. The system will also manage all aspects of project delivery, including construction administration, document management, and tracking program performance.

The City of Redmond is located less than 20 miles east of downtown Seattle. Known for its lush green landscapes and as a hub for technology, Redmond is home to several major corporations, including Microsoft's headquarters, which significantly contribute to its economic profile. Today, the City has around 75,000 residents and 95,000 jobs, and by 2030, it is expected to have 78,000 residents and 119,000 jobs. Redmond also prides itself on providing extensive recreational activities, as it is surrounded by forests and trails, making it well-known for hiking, biking, horseback riding, and birdwatching.

"We are excited to partner with the City of Redmond and provide a modern, intuitive, integrated solution to meet its capital planning and project delivery goals," said Balaji Sreenivasan, CEO and founder of Aurigo Software. "As Redmond continues to flourish as a technology hub, Masterworks will enable the City to keep pace with its growth by optimizing resources and ensuring efficient project execution. We are committed to supporting Redmond in delivering infrastructure improvements that meet the needs of its expanding community."

Aurigo Masterworks will enable the agency to gather proposed projects, prioritize them, and estimate costs accurately. The platform's what-if analysis will help identify the best project combinations based on available funding and strategic priorities. Once projects are underway, the system will help monitor schedules, resource availability, and contract status to ensure timely and on-budget completion.

This initiative will also establish standardized processes to reinforce best practices for the City, including streamlining workflows, integrating with existing systems, and enabling role-based access and permissions. Enterprise-wide dashboards and reports will provide agency executives with the right data to aid decision making. These processes will be fully auditable and will ensure complete transparency, delivering a consistent approach to capital program management.

Redmond joins King County and the city of Seattle, both Washington-based Aurigo partners, along with several other agencies across North America (including the cities of Portland and Las Vegas and regional agencies in Colorado, Florida, and Ontario, Canada) using Masterworks to digitize their capital programs. The company has seen an increase in demand from the public sector as agencies are looking to adopt modern cloud-based solutions to boost productivity and achieve cost savings.

City of Surrey partners with Archistar to Fully Deploy AI-Powered eCheck for Zoning Compliance and enhanced permitting process

12 November 2024

Archistar.ai, a global leader in AI-driven urban planning and property technology solutions, is thrilled to announce its partnership with the City of Surrey. This three-year contract marks the full deployment of Archistar's eCheck technology to revolutionize zoning bylaw compliance processes in Surrey's residential development sector.

The eCheck platform, powered by advanced AI, allows developers and city planners to automate and streamline the evaluation of building permits. By conducting pre-application compliance checks against Surrey's zoning bylaws, eCheck significantly accelerates approval times, improves application quality, and supports the City's commitment to meeting its growing housing demands.

"We're addressing Surrey's growing housing needs with innovative solutions to ensure our community is supported as it grows," said Mayor Brenda Locke. "The goal of this tool is to help speed up the permitting process and help accelerate housing development. We're committed to being a leader in urban planning and development, and this new tool will help us achieve our vision of building a vibrant, sustainable, and liveable city for all."

The eCheck platform provides developers with instant feedback on zoning compliance issues such as building height and setbacks, reducing the need for multiple submissions and revisions. While eCheck speeds up the approval process, it does not eliminate the essential role of plan checkers in reviewing complex projects.

Expansion Follows Global Success

This expanded contract in Surrey comes on the heels of Archistar's growing success in North America, including an agreement with the City of Vancouver and more recently with the City of Austin, Texas. Austin's implementation, following a three-month pilot, demonstrated how Archistar's technology reduces approval times and enhances the quality of applications, enabling the city to focus on complex reviews and advance housing projects more efficiently.

Dr. Benjamin Coorey, Founder and CEO of Archistar, commented on the expanding North American footprint, saying, "We are proud to support the City of Surrey in its leadership role within urban planning. Surrey is at the forefront of digital transformation in Canada, and we are confident that eCheck will continue to drive efficiency and sustainability in the City's housing development initiatives. This collaboration builds on our successes globally, with over 30 cities now implementing or piloting our platform."

About Archistar's eCheck Technology

Archistar's **eCheck** platform automates the zoning compliance review process by reading designs directly from submitted drawings and evaluating them against digitized building and zoning codes. By producing a comprehensive compliance report in minutes, eCheck simplifies complex regulatory frameworks and reduces back-and-forth between applicants and city planning authorities. This leads to faster permit approvals, reduces project costs, and helps developers bring new housing to market more quickly.

The Benefits of Full eCheck Deployment in Surrey

The full-scale implementation of eCheck will allow the City of Surrey to:

- **Accelerate Housing Development:** Faster permit approvals will help Surrey meet its housing targets by expediting new development projects.
- **Improve Application Quality:** Developers receive detailed feedback early in the process, reducing the number of revisions and improving the overall quality of submissions.
- **Increase Efficiency:** Automated compliance checks free up city staff to focus on complex evaluations, increasing overall efficiency.
- **Reduce Costs and Delays:** Fewer resubmissions and quicker approvals reduce holding costs for developers and streamline project timelines.
- **Enhance Transparency:** Standardized reports provide clear, data-driven insights into compliance, improving communication between developers and the city.

Dachan Food Selects Centric PLM to Digitalize R&D Project Management

12 November 2024

Centric Software® is pleased to announce that Chinese poultry processing company Dachan Food has selected Centric PLM™ to shorten product development cycles and increase product sales. Centric Software provides the most innovative enterprise solutions to plan, formulate, develop, procure, manufacture and sell consumer goods products in food & beverage, grocery,

fashion and multi-category retail to achieve strategic and operational digital transformation goals.

Dachan Food (Asia) Co., Ltd. is a leading poultry product provider. Dachan operates with a highly vertically integrated business model, combining feed production, chicken rearing, poultry processing and processed food production. The company has invested in nearly 30 factories across 13 provinces and cities, employing over 8,000 people, with annual revenues exceeding 6.5 billion RMB (approximately \$900m USD). Dachan is a poultry supplier to fast food chains like Subway, Dicos, CNHLS, and Haidilao. Additionally, it exports poultry products from the PRC to convenience store chains such as Ito-Yokado and 7-Eleven in Japan.

Dachan has consistently led the way in digital adoption within China's poultry processing industry and acknowledges the need for digital project management to boost R&D efficiency and unlock greater potential.

Ms. Fan Hongbo, Head of R&D at Dachan Food, says, "We believe that digital transformation is the ideal path for a top-tier company. While the digitalization of R&D project management may not have started as early as some of our other digital initiatives, we view it as a strong move for creating a second growth curve and boosting product competitiveness."

While many companies in China's food industry have already implemented Product Lifecycle Management (PLM) projects, there are relatively few examples in the poultry processing sector. Dachan's decision demonstrates their firm commitment to digitalization in R&D, as well as their deep trust in Centric Software as their PLM partner.

Dachan's PLM project will fully digitalize the entire lifecycle of the product, from inception to market launch. Centric PLM will be integrated with office administration and ERP systems, laying a solid foundation for Dachan's digital transformation. The project aims to enhance new product development efficiency, shorten development cycles and maximize the use of Dachan's R&D knowledge to increase the number of 'star' bestselling products.

Mr. Han Fangzu, Special Assistant to the Chairman of Dachan Food's Board, explains, "PLM is a tool to help us better manage projects. The purpose of implementing Centric PLM is to better address customer needs and enhance our business. All teams will reach a consensus on the optimized process and work towards the common goal of a successful launch."

"We are very grateful for the opportunity to collaborate with Dachan Food," says Fabrice Canonge, President of Centric Software. "R&D digitalization is increasingly becoming a priority for poultry processing companies and this project will enable Dachan Food to improve internal collaboration efficiency and enhance responsiveness in customer communications. I look forward achieving significant results together as we work towards a smooth project implementation."

Dassault Systèmes' 3DEXPERIENCE Platform to Be Used for Electric Vehicle Development at Volvo Cars

14 November 2024

Dassault Systèmes announced that Volvo Cars has chosen to deploy Dassault Systèmes' 3DEXPERIENCE platform within its engineering processes for vehicle development.

With an automotive industry constantly evolving toward electric, connected and autonomous mobility, companies must be able to accelerate the launch of advanced solutions. The 3DEXPERIENCE platform helps automotive manufacturers streamline enterprise-wide collaboration and deliver data-driven approaches to manage complexity in the electric vehicle market. They can share real-time information with multiple teams worldwide, and build up their revenue pipeline by reducing engineering time, lead time and costs, maximizing the reuse of parts, increasing product quality, and overcoming regulation challenges.

Volvo Cars, which was already using Dassault Systèmes' CATIA applications, chose to strengthen the role of Dassault Systèmes as its partner to complete its mission to be a fully electric automotive company.¹ The automaker can benefit from a seamless migration of its data from CATIA applications and third-party solutions, to one scalable virtual platform that facilitates collaborative vehicle design and development.

Engineers at Volvo Cars will rely on multiple Dassault Systèmes industry solution experiences based on the 3DEXPERIENCE platform to improve quality, part reuse, issue management, the test and validation cycle, requirements and traceability. These solutions include: "Efficient Multi-Energy Platform," "Global Modular Architecture," "Smart, Safe & Connected" and "Sustainable Multi-functional Vehicle."

"Automakers are under pressure to deliver new products and functions quickly and cost-effectively. Volvo Cars excels in developing unique vehicle experiences. In order to build these best-in-class experiences, their engineers need advanced technology solutions, including the ability to combine the development of hardware and software together. The 3DEXPERIENCE platform will provide this," said Laurence Montanari, Vice President, Transportation & Mobility Industry, Dassault Systèmes.

¹The contract between Volvo Cars and Dassault Systèmes was signed in Q1 2024.

Digital Transformation Success: Sipchem and Wipro Collaborate for Major SAP S/4HANA Implementation

13 November 2024

Sahara International Petrochemical Company (Sipchem), a leading Saudi Arabian petrochemical company, and Wipro Limited, a leading technology services and consulting company, announced the successful completion of its digital transformation journey with the implementation of SAP S/4HANA.

The comprehensive transformation program covered Sipchem's operations in both Saudi Arabia and Switzerland. The new system, built on RISE with SAP, incorporates SAP's clean core strategy and uses best practices for the chemical industry. This created a unified, efficient decision-making environment and positions Sipchem as a future-ready enterprise with enhanced operational capabilities.

"The successful implementation of SAP S/4HANA underscores our unwavering commitment to adopting cutting-edge digital technologies and achieving operational excellence," said **Abdullah Saif Al-Saadoon, Chief Executive Officer, Sipchem**. "This pivotal milestone is a highlight in the transformative era of digitalization at Sipchem, enabling us to streamline our operations and enhance our competitive edge in the global market."

Vinay Firake, Chief Executive Officer – Asia Pacific, Middle East and Africa (APMEA), Wipro Limited, said, "We are thrilled to work with Sipchem on their digital journey, leveraging our global expertise in end-to-end core transformation. With this successful implementation, Sipchem is better positioned to respond adeptly to market demands, foster innovation and pursue strategic growth opportunities.

Wipro's two-decade-long commitment to the region, and its impressive track record in the Energy and Oil & Gas sectors, is highlighted by its significant local presence, with hundreds of professionals in Saudi Arabia, dedicated to fostering local talent and driving end-to-end digital innovation.

Doppelmayr upgrades to IFS Cloud to support digital transformation and strategic growth

5 November 2024

IFS, the leading technology provider of enterprise cloud and Industrial AI software, announced that the Doppelmayr Group, the leader in high-quality ropeway systems and provider of efficient intralogistics solutions, has decided to upgrade to IFS Cloud to power digitalization and drive global growth.

Doppelmayr's decision to transition to IFS Cloud for ERP was driven by its strategic focus on the internal digitalization of its operations. By moving to IFS Cloud the company will benefit from twice-yearly releases of new features and capabilities, enabling it to streamline its complex processes across 55 countries, while gaining a unified solution that consolidates many of its systems into one. The integration will also eliminate the need for multiple customizations, providing a single source of truth for Doppelmayr's data.

Gerhard Gassner, Managing Director at Doppelmayr, said: "Over the last 15 years, IFS has essentially become the digital backbone of our business processes worldwide. We use IFS for everything from sales to engineering, manufacturing to installation, and even the commissioning and maintenance of ropeways. Moving to IFS Cloud is integral to the digital transformation journey we are on."

The extended global capabilities mean that Doppelmayr's sales locations worldwide, as well as its production sites, can operate under the same system. Set to start immediately, the implementation will cover most functional areas of Doppelmayr's business and involve more than 3,000 employees across multiple sites.

Sebastian Spicker, Managing Director, DACH at IFS, said: "Doppelmayr's long-standing commitment to innovation and quality aligns perfectly with our vision at IFS. By transitioning to IFS Cloud, Doppelmayr will benefit from a unified, scalable platform that will transform their

digital operations. At the same time, it will eliminate the need for them to run future upgrade projects, ensuring they are evergreen and freeing up time to deliver more business value through a connected global ERP platform. We look forward to supporting Doppelmayr as they continue to lead their industry and deliver exceptional value to their customers worldwide."

Edwards Family of Companies Selects eCMS v.4.2 ERP from Computer Guidance Corporation

13 November 2024

Computer Guidance Corporation (CGC), a leader in cloud-based ERP solutions tailored for the construction industry, announced that the Edwards Family of Companies has chosen CGC's eCMS Construction Cloud ERP to power its growing operations.

Based in Sacramento, California, Edwards Family of Companies has built a strong reputation for delivering water treatment solutions, wholesale distribution, erosion control, stormwater compliance, and heavy highway construction services. As the result of recent growth, the company has expanded and diversified its services, adding new business units along the way. These changes meant that Edwards Family of Companies would require an advanced, integrated solution to support its growth.

After carefully assessing CGC's solution, Edwards Family of Companies selected eCMS Construction Cloud ERP for its reputation and performance in the construction sector. The platform's reliability and construction-focused capabilities made it the ideal choice to support the company's ambitious goals.

"To keep pace with our rapid growth while maintaining our ability to deliver superior service, we wanted a solution that seamlessly connects our teams in the field and the office and enables accounting, payroll, and project management to access real-time data on demand," said Kaycie Edwards, CEO of Arctos Erosion Control, an Edwards Family of Companies. "We believe CGC's eCMS ERP platform, with its mobile capabilities, single-database approach, and robust features like inventory management, job costing, billing, and advanced business intelligence, will allow us to make faster, more informed decisions and drive our business forward."

Steven Gross, Vice President of Client Solutions at Computer Guidance Corporation, added, "The impact of eCMS for contractors like Edwards Family of Companies is significant. Our platform enhances collaboration across all key teams, automates and synchronizes workflows, and provides a unified, real-time view of data anytime, anywhere."

As Edwards Family of Companies embarks on this new chapter, eCMS Construction Cloud ERP will be a critical tool in achieving their commitment to operational excellence and continued growth.

Hexagon and Fraunhofer ITWM accelerate new battery design with electrochemical simulation solution

13 November 2024

Hexagon has announced a new battery cell design solution that combines Fraunhofer ITWM's electro-chemical simulation technology with Hexagon's multi-physics material simulation and metrology software to significantly accelerate new battery cell research and development programmes.

Bringing a new battery cell product to market is hugely complex and time-consuming. R&D processes are lengthy, comprising design of experiments (DoE) using first-principles simulations to discover new electrochemical designs, which are tested through physical trial-and-error in a laboratory. There are many steps in the cell manufacturing process that can affect not only the rejection rate, but also the performance of the cell.

Hexagon's new electro-chemical battery design solution integrates Fraunhofer ITWM's Battery and Electrochemistry Simulation Tool (BEST) solver within Hexagon's Digital Materials suite, enabling efficient multi-physics exploration of cell designs while accounting for effects from manufacturing processes.

This "virtual laboratory" has significant cost and productivity benefits. Through a single user interface, customers can model the microstructure of the electrodes through to the complete assembly of the cell (electrolyte, separator, active material, binder, current collector) from an embedded library of battery materials, and explore the impact that alterations in material properties and battery microstructure have, including:

- Enhancing performance outcomes such as energy efficiency, lifespan, optimal charging protocols by selecting appropriate materials and configurations, including particle size distribution and carbon binder distribution.
- Examining how manufacturing processes affect the cell microstructure, including the ability to reverse engineer the internal structure of manufactured cells from a CT scan using Hexagon's powerful VGSTUDIO MAX 3D metrology software
- Investigating battery ageing and the safety implications of cell design to inform the creation of an optimal charging protocol for the battery management system

Guillaume Boisot, Senior Director Materials & Platforms, commented: "The design and development of cells involve significant challenges due to the complex trade-offs between materials and electrochemical design, mechanical design and manufacturing processes. Much of this complex process has historically relied on trial and error, but through our partnership with Fraunhofer ITWM we believe we can help R&D teams pursue better performing battery cell designs, and develop them faster with rapid feedback from prototypes."

Subham Sett, Vice President Multiphysics at Hexagon added: "Battery performance and quality are competitive differentiators, particularly in the automotive market. We've invested in our thermal management and runaway simulations, and with this new addition we believe we can help manufacturers get a more holistic view of these multiphysics interactions on their journey to shift left in the design process."

Dr. Jochen Zausch, Fraunhofer ITWM commented : "We have enjoyed an excellent technical collaboration to bring our highly trusted BEST battery electrochemistry solver capabilities into

Hexagon’s innovative material modelling software, and we look forward to helping drive forward new battery innovation faster with this comprehensive simulation workflow.”

The new solution integrates Fraunhofer ITWM’s BEST solver into Hexagon’s Digimat material behavior modeling software – part of its HxGN Digital Materials suite. From a single user interface, users can simulate the electrochemistry of a cell’s constituent microstructure, electrolyte, separator, active material, binder, and current collector for common lithium-ion cell configurations, as well as zinc and sodium battery chemistries, using Fraunhofer ITWM’s advanced electrochemical modelling techniques.

Digimat includes a library of common material properties that can be extended within the software or using Hexagon’s MaterialCenter and Materials Connect material data management software. Microstructures can be either imported from CT scan analyses using VGSTUDIO MAX or created directly in Digimat.

Additionally, battery design teams can apply their microstructure model developed in Digimat to further investigate mechanical property characterization. Macro-scale material behavior can be assessed using a Representative Volume Element (RVE), extending the model’s capability for structural analyses of the cell by embedding a simplified Digimat material model into the relevant mechanical analysis software. In this way, mechanical engineers can evaluate the mechanical performance of the jelly roll to optimise the mechanical design and safety of the battery based on accurate material properties.

Idox and Blyott partnership tackles urgent asset tracking challenges

5 November 2024

Idox, a leading provider of specialist software, is now working with Blyott, a pioneer in asset tracking technologies, to simplify and streamline asset tracking within a changing healthcare environment.

The NHS is increasingly pursuing a more joined-up care approach, placing greater emphasis on community-based care. Trusts and community organisations within ICS move assets around hospitals and out into the community – and many current tracking methods are ill-equipped to handle this.

Existing tracking arrangements can be restrictive, as Steven Bruce, Divisional Director of Assets at Idox, explains: “Without the optimal setup to allow for transparency of assets across a multifaceted healthcare space, there is an increased risk of equipment going without essential maintenance, falling off the radar for any length of time, or going missing entirely.”

By partnering with Blyott, Idox has found a way to offer flexible, use-case solutions to the healthcare sector – without pushing up the costs. Blyott’s extensive range of tracking sensors allows trusts to customise the use of technology to suit their needs: powered by long-life batteries, these sensors are an active, versatile, long-range alternative to the more limited passive setup. They typically feed into Wi-Fi APs with access to Bluetooth, meaning tracking can be achieved more cost effectively by leveraging existing network infrastructure and investment.

An exchange of knowledge and technology between the two organisations allows Idox to bypass a critical problem of inflexibility in the asset tracking arena. Their many healthcare clients can now benefit from more cost-effective tracking capabilities incorporating current network infrastructures and pre-existing tracking methods. These hybrid tracking systems monitor assets within hospital estates and across the community with pinpoint accuracy.

Idox and Blyott share a dedication to simplifying tracking, which equates to a reduction in costs, freeing-up of staff, and increases patient safety and the time spent on patient care. Gery Pollet, Founder & CEO of Blyott, says of the partnership: “Working with Idox made perfect sense for us, especially as we both have substantial reach within the sector as well as longstanding partnerships with several trusts. We’re thrilled about this new opportunity to provide ‘Big Savings, Happy Staff’ to healthcare providers in the UK, and to bring Blyott’s cutting-edge technologies to an even wider market.”

Kayana and Accenture to Build “Digital Factory”

11 November 2024

Kayana Solutions Inc. (“Kayana”), and Accenture announced a strategic collaboration to build a digital factory that will accelerate digital product development for the MVP Group.

“Digital is charting the economic future of the Philippines as with most countries in the world, and we are committed to creating new ways in which Filipinos can realize its benefits.

Establishing ‘Kayana’ is about delivering on this promise,” said Manny V. Pangilinan, Chairman and CEO, Kayana. “The digital factory will bring together the skills and competencies that the Group needs to deliver hyper-personalized experiences that meet the needs of Filipinos.”

“We share Kayana’s ‘can do’ spirit. We are proud to collaborate with the MVP Group and bring together the best of Accenture’s services and capabilities to support the MVP Group in creating value for Filipino enterprises and consumers,” said Ambe Tierro, country managing director and technology lead of Accenture in the Philippines.

The digital factory will leverage on Accenture’s strengths in creating data-and-AI-led customer experiences and in cloud-based solutions. Accenture will oversee brand strategy, product research and user interface (UI) / user experience (UX) design for Kayana through Song, its tech-powered creative group. The digital factory will likewise address the digital needs of other businesses within the MVP Group—and of Filipino enterprises that wish to build digital services.

“By tapping into Accenture Song’s expertise in design and digital products, marketing, commerce and service, we are combining creativity, innovation, and technology to push boundaries and help Kayana deliver on its commitment to customer-centric innovation,” added Tierro.

“Customer experience is the heart of the relationship between a business and its customers. We are excited to bring our expertise and help Kayana embark in reimagining experiences and building relevance for businesses and consumers across channels and platforms,” said Flaviano Faleiro, Accenture Song’s president in Asia Pacific.

PTC- Engineering Breakthrough in Custom Medical Implants

13 November 2024

In a breakthrough collaborative project, a team of experts from Tel Aviv Medical Center, PTC, and Hexagon has created a breakthrough fully customized scapula implant for a 16-year-old cancer patient. The team utilized state-of-the-art additive manufacturing and medical imaging to design and produce a titanium scapula implant tailored precisely to the patient's anatomy.

The experts conducted a 3D segmentation of the tumor and surrounding bone to facilitate effective reconstruction. A digital twin of the anatomical model was created and printed at a 1:1 scale to assist in preoperative planning and to delineate the resection margins.

Concurrently, an advanced custom 3D-printed implant was designed using PTC Creo software to provide anchorage for the remaining muscle stumps and to reconstruct the glenohumeral and acromioclavicular joints.

The surgery proceeded as planned, the personalized implant fit seamlessly, and the patient began regaining mobility within a few days.

Essential requirements and challenges for the implant design included:

- Preservation of the patient's original anatomical volume, shape, and kinematics.
- Optimization of the implant's mechanical properties while minimizing weight.
- Provision of an optimal set of anchoring points for muscle attachment.
- Implementation of an advanced lattice structure to facilitate the ingrowth of connective tissue and muscles, leveraging Creo Design for Metal Additive Manufacturing to minimize supports and distortion.
- Introduction of minimal surfaces to ensure smooth joint kinematics.
- Utilization of advanced mechanical simulations to verify the load-bearing capacity of the implant for shoulder and arm movements.
- Ensuring the manufacturability and reducing print trials of the implant, harnessing Hexagon's Simufact Additive to simulate and compensate the thermo-mechanical processes that distort parts as they are printed.
- Verifying successful print quality for certification, leveraging Hexagon's VGSTUDIO MAX to process the CT scan data and verify the quality of the complex structure and the printed metal's properties.

A New Era in Personalized Medicine

The integration of digital twins, CAD, PLM, and certification technologies paves the way for future advancements in custom medical devices. The collaboration between Tel Aviv Medical Center, PTC and Hexagon marks a new milestone where engineering technology meets personalized healthcare.

“Bioactive printed implants are the future of implants! The development of complex implantable printed materials, together with powerful additive manufacturing and simulation software, enables us to introduce smart implants to the surgical world. These implants interact with tissues to optimize their survival in the body, ensuring a perfect fit and promoting tissue growth,” said Dr. Solomon Dadia, Head of the Surgical Innovation and 3D Printing Unit, Tel Aviv Sourasky Medical Center. “These advancements mark a new era in personalized medicine.”

About the Collaborators

- **Tel Aviv Medical Center** leads the way in patient-centered care, pioneering new medical techniques.
- **PTC** specializes in digital transformation, enabling engineering innovation through its Creo software.
- **Hexagon** drives advanced digital manufacturing solutions, ensuring the safe certification of medical implants through manufacturing process optimization, validation and quality assurance.

Siemens Industrial Copilot expanded, adopted by thyssenkrupp

12 November 2024

The Siemens Industrial Copilot is the first generative AI-powered assistant for engineering in an industrial environment. Today, Siemens announced major new functionalities for the Industrial Copilot and added thyssenkrupp Automation Engineering as global customer.

The Siemens Industrial Copilot for Engineering is the only copilot currently on the market that writes code for automation engineering. Future capabilities include multimodality and agent concepts, which will make it even more valuable for engineers. To deliver full data sovereignty, the Siemens Industrial Copilot for Operations is planned to be offered as an on-premises hardware-software bundle.

Rainer Brehm, CEO Factory Automation at Siemens, said: “With Siemens’ domain expertise, we’re turning generative AI into industrial-grade solutions that can be deployed without specialized AI expertise. The Siemens Industrial Copilot, the first generative AI-powered product for automation engineering, is a supercharger for industrial automation and will accelerate our customer’s journey toward greater innovation, productivity, and competitiveness.”

thyssenkrupp Automation Engineering and Siemens Electronics Factory to roll out the Siemens Industrial Copilot

Competitive pressure and lack of skilled labor are major challenges for industrial companies today. Making generative AI industrial-grade and bringing it to the shopfloor holds a huge potential for overcoming current industrial challenges and improving productivity.

thyssenkrupp Automation Engineering, a special machine and plant builder, integrated the Copilot for Engineering in a battery machine used for battery quality inspections on electric cars. The industrial company plans to use the genAI-powered assistant at scale – engineering the machines at thyssenkrupp’s global locations from 2025 onwards. The Industrial Copilot

assists thyssenkrupp engineers in creating TIA Portal projects. It helps them develop structured control language (SCL) code faster for programmable logic controllers (PLCs), intelligently integrates the code into the TIA Portal and generates a machine visualization in WinCC Unified. This allows engineering teams to reduce repetitive and monotonous tasks like automating data management and sensor configuration. They can work more efficiently, optimize processes, and drive innovation.

“thyssenkrupp Automation Engineering and Siemens have been successfully working together for a long time,” said Dr. Rolf-Günther Nieberding, CEO of thyssenkrupp Automation Engineering. “I expect that rolling out the Siemens Industrial Copilot across our machines will help us – and therefore our customers – to implement demanding projects in a much shorter time.”

The Siemens Electronics Factory in Erlangen, Germany, implemented the Copilot for Operations across its soldering machines. The Industrial Copilot helps Siemens operators and maintenance engineers to understand a machine’s error codes by translating its messages into natural language. It suggests solutions based on the machine’s details and history by combing through different documents, manuals, and spare part lists. Machine downtime can be significantly reduced, production bottlenecks can be resolved faster, and shift handovers will work more efficiently.

Multimodality, agent concepts and on-premises approach to supercharge the Siemens Industrial Copilot

The development of expanded and more powerful functionalities for the Siemens Industrial Copilot has been instrumental in winning thyssenkrupp Automation Engineering as a customer.

The Industrial Copilot for Operations allows shopfloor workers to directly interact with machines and helps them with maintenance tasks, error handling and performance optimization. In addition, the Industrial Copilot will have multimodal capabilities to analyze and interpret images and drive even more productivity with agent-based automation for a variety of tasks. To address data security for customers and make sure that data doesn’t leave the shopfloor, the Industrial Copilot for Operations is planned to be offered as an on-premises hardware-software bundle with the Simatic Industrial PC (IPC 1047E). The software stack running on IPCs is powered by NVIDIA NIM microservices, part of the NVIDIA AI Enterprise software platform, which lets automation and maintenance engineers ask real-time queries about operational and document data to facilitate rapid decision-making and reduce machine downtime. This configuration doesn’t require an Internet connection and stores data on local hardware devices. It helps ensure data security by processing all data right on the shopfloor and keeping customers’ data stored and available when and where it’s needed.

The Industrial Copilot for Engineering will support multimodal input: for instance, by detecting and converting manual changes in the ECAD document that’s used for electrical planning. These changes are automatically highlighted, annotated and eventually implemented in the TIA Portal project.

Highly complex automation projects will be partially automated using agent concepts. Agent concepts go beyond simple question-and-answer interactions, automating processes by breaking down large, complex tasks into subtasks. All relevant information is then collected from a number of sources, including ECAD information, in order to understand the user goal. Agents can also be connected to external systems and sources, which creates a closed loop with different tools linked together. Next, the agents create a plan on how to achieve goals and execute the required actions independently. These range from sending messages and accessing external systems to updating data sets. Engineers can also use agents to control and direct all production processes – while maintaining full transparency, having an overview of the data and knowing which steps should be taken next.

The Engineering Copilot TIA Essential has been available on the Siemens Xcelerator marketplace since July 2024. While Siemens provides the automation elements of the Industrial Copilot, the natural language processing is carried out by one of the most powerful GPT models using the Azure OpenAI Service of the Microsoft Cloud. This enables enterprise-grade performance, data protection, and reliability. Siemens' generative AI solutions for industry are reliable, secure and trustworthy, thus making industrial AI accessible to everyone, anywhere, at any time.

Simulations Plus and the University of Connecticut Receive New FDA Grant to Expand Mechanistic Modeling Approaches for Long-Acting Injectables

13 November 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 that it has been awarded a newly funded grant from the U.S. Food and Drug Administration (FDA) to use physiologically based pharmacokinetic (PBPK) approaches in GastroPlus® to build and validate mechanistic *in vitro-in vivo* correlations (IVIVCs) for long-acting injectable (LAI) technologies through a joint proposal with the University of Connecticut's School of Pharmacy, Department of Pharmaceutical Sciences.

This project aims to use the GastroPlus PBPK platform to investigate the intricate relationship between LAI formulation critical quality attributes (CQAs) and physiological factors at the injection site to accurately predict *in vivo* drug release and absorption. Dr. Diane Burgess, Board of Trustees Distinguished Professor of Pharmaceutics and Pfizer Distinguished Endowed Chair of Pharmaceutical Technology at the University of Connecticut and her lab will generate *in vitro* and *in vivo* data for marketed LAI suspension products using novel discriminatory systems. The scientific team at Simulations Plus will use this data, along with additional inputs from research collaborators, to develop PBPK models and apply them to validate mechanistic IVIVCs. This effort is expected to lay the groundwork for a practical alternative to *in vivo* studies in establishing bioequivalence (BE) for additional LAI product technologies.

“LAI formulations are becoming increasingly important in pharmaceutical pipelines and product portfolios due to their ability to improve patient compliance and deliver extended drug release,” said Dr. Daniela Silva Ryan, Scientist II at Simulations Plus and principal investigator for this grant. “Preclinical and clinical studies to evaluate new formulation designs are lengthy

and expensive. With this new grant, we expect our work within GastroPlus to demonstrate how PBPK modeling can reduce development time and costs, while streamlining regulatory processes for both innovator and generic formulations.”

FDA scientific and program staff will actively collaborate with the University of Connecticut, Simulations Plus, and select industry partners. Dr. Silva Ryan, with assistance from scientists at Simulations Plus, will coordinate the contract’s modeling and simulation activities.

“It is a privilege to continue combining our expertise with Simulations Plus and the FDA to advance the research on LAI formulation performance even further,” added Dr. Burgess. “The agency’s trust and confidence in this partnership underscores the leadership role both organizations have in our respective spaces. Together, we aim to develop models that bridge the gap between animal and human data and reveal the intricate relationships between formulation properties and injection site physiology, providing insight into virtual BE approaches for this growing drug delivery technology.”

Funding for this collaboration is made possible by the FDA through grant award 1U01FD008304-01. Views expressed in this press release do not necessarily reflect the official policies of the Department of Health and Human Services; nor does any mention of trade names, commercial practices, or organizations imply endorsement by the United States Government.

TAP Air Portugal Expands 25-Year Relationship With PROS to Enhance Dynamic Pricing and Create Customer-Centric Offers

13 November 2024

PROS Holdings, Inc., a leading provider of AI-powered SaaS pricing, CPQ, revenue management and digital offer marketing solutions, announced that TAP Air Portugal will expand its use of PROS market-leading revenue management and pricing tools to create optimized offers and fuel its path to modern airline retailing. By adopting PROS latest innovation in revenue management capabilities, as well as expanding its use of PROS Real-Time Dynamic Pricing and Group Sales Optimizer, TAP will create more optimal offers that increase booking conversions, improve customer satisfaction and react more quickly to changing market dynamics.

PROS Revenue Management with Willingness-to-Pay (WTP) enables TAP to leverage PROS most advanced AI-powered solution to forecast the relationship between price and demand, optimizing class availability based on price sensitivity. This helps TAP tailor offers by customer segment without alienating budget-conscious travelers. Understanding WTP also allows TAP to price strategically in their markets, maximizing revenue while remaining attractive to specific customer segments.

Mario Cruz, Chief Commercial and Revenue Officer of TAP Air Portugal says of the expansion, “Providing our customers with exceptional experiences is at the heart of TAP’s commercial commitment. By adopting the most advanced revenue management and airline pricing solutions from a trusted market leader, we will deliver more personalized and dynamic offers

that customers find truly desirable and valuable – leading to greater conversion rates, customer loyalty and incremental revenue to power our future.”

TAP continues to leverage PROS Real-Time Dynamic Pricing (RTDP) to compute seat availability in real-time, protecting against inventory spoilage and increasing conversions to capture demand during the shopping process. PROS RTDP ensures accurate, scalable pricing across all channels with minimal analyst intervention, allowing TAP to adjust prices in real-time and react to market changes, providing the best offers to convert more shoppers.

TAP also continues to use PROS Group Sales Optimizer to manage group bookings more effectively and efficiently, optimizing revenue by dynamically pricing group offers and reducing costly GDS fees.

“Modern airline retailing requires new strategies, technologies and processes to unlock value across every customer interaction,” says Surain Adyanthaya, President, Global Industries, PROS. “Through long-term collaboration and PROS innovation, TAP is poised to productively grow its customer base across all segments and truly transform its commercial strategy. We are proud and honored to be a trusted TAP partner for more than 25 years and look forward to pursuing future milestones together.”

TCS Signs Multi-Year Deal with Air France-KLM to Accelerate Data-Driven Aviation

7 November 2024

Tata Consultancy Services (TCS), a global leader in IT services, consulting, and business solutions, has signed a multi-year deal to help Air France-KLM, a Europe-based global aviation leader in passenger transport, cargo transport and aeronautical maintenance, become the most data-centric airline group in the world.

Over the next three years, TCS will modernize the airline group's data by moving it to cloud, promoting the next generation of data-driven aviation. This shift will help Air France-KLM exit data centers and harness the strength of the cloud, supporting a sustainable and adaptive aviation industry. The new data architecture will enable the use of data to enhance operations, drive decisions, improve functionality, and gain efficiency.

TCS has partnered with Air France-KLM for 30 years to enhance reliability, social media, customer service, and e-commerce. Their digital innovations, including a suite of award-winning mobile apps and features like digital queuing in airport lounges and boarding pass collection via social media, have improved passenger control and comfort. Building on this longstanding partnership, TCS will now assist Air France-KLM in migrating its critical systems and core business data to the cloud, encompassing key areas such as flight operations, passenger information, aircraft maintenance, the airlines e-commerce platforms and much more. This migration will enhance operational efficiency across all business lines, ensuring seamless and secure data management as well as modernize the technology landscape enabling new possibilities.

Pierre-Olivier Bandet, EVP & Group CIO, Air France-KLM Group said: *“In a rapidly evolving industry, we are committed to becoming a champion of air transport in Europe, while fulfilling*

our role as a frontrunner of sustainable aviation. We are pleased to open a new and exciting chapter with our long-time partner, TCS, to make the most out of our data and new technologies to become even more data-centric and agile to meet and exceed our customers' expectations."

Data can help airlines improve their efficiency, streamline their operations and foster innovation, leading to faster and more personalized flying experience for customers. However, data often resides in a multitude of disparate and unstructured systems. Today, extracting actionable insights and value from enterprise and ecosystem data is a key challenge for many enterprises. The challenge is compounded for the large and complex organization of Air France-KLM which operates multiple airline brands with a fleet of 551 aircrafts flying across 320 destinations in 100 countries.

Krishnan Ramanujam, President, Consumer Business Group, TCS, said, *"We could not be more proud of our 30-year shared history of innovative accomplishments and the positive impact we've made on the experiences of Air France-KLM passengers, employees, and partners. We are eager to help Air France-KLM become the most data-driven airline group in the world and continue to reach new heights in air transport and customer experience, operational excellence, and sustainability for decades to come."*

With this significant transformation project, TCS is poised to redefine industry standards in the travel, transport and hospitality sectors. A standout feature of this project is that data accessibility on the new cloud will be achieved within the first year. The endeavor will be led by a dedicated team of 100+ professionals across TCS delivery centers in France, Netherlands and India. The close collaboration with the Air France-KLM Data teams based in Toulouse will be pivotal in ensuring the success of this large-scale transformation.

Sapthagiri Chapalapalli, Head of Europe at TCS, said, *"The partnership with Air France-KLM is one of TCS' longest relationships in Europe. With KLM being our first customer in the Netherlands, the relationship between TCS and Air France-KLM is built on countless joint journeys, spanning multiple decades, opportunities, and challenges. While using technology to set the standards for customer experience in airline travel year after year, we managed to strengthen and deepen our partnership at the same time. This new deal is a compliment to both Air France-KLM and TCS teams for their mutual trust, commitment, and perseverance to build long lasting and successful partnerships that drive sustainable growth."*

TCS' operations in France have seen a significant growth over the years since its beginnings in 1992. Today over 1,600 employees in the country work for 80 of France's leading businesses. It recently modernized its corporate headquarters in La Défense, invested in creating a new Pace Port™, set up a unique Human-Centric AI Center of Excellence and has recruited 500+ people over the past three years.

With three decades of leadership in aviation, TCS partners with leading global airlines, offering consulting-led approach, cognitive-powered portfolio of business, and technology and engineering services. TCS leverages industry-specific solutions, like TCS Aviana™, a unified, autonomous, digital, cloud-ready platform for intelligent airline operations. The newly opened

TCS Aviation Digital Centre in Portugal is home to its industry expertise, latest tech and tailored digital offerings, made available at the doorstep of European transportation customers.

Vertiv Uses Ansys Digital Engineering Technology to Drive R&D Transformation

14 November 2024

Vertiv is collaborating with Ansys to digitally transform its design of data center cooling systems. Ansys digital engineering technology will help Vertiv improve scalability, enable early decision-making, and empower sales teams to swiftly provide customer quotes, reducing their go-to-market timelines.

Heat exchanger (HX) coils are key to the operation of data center thermal management systems; they efficiently transfer heat away from hardware and are highly customizable. However, HX coils are challenging and time-consuming to design given the complexity of the multiphysics and design expertise involved. With Ansys technology, Vertiv's engineering team can reduce development time and create predictively accurate, reliable designs.

Specifically, Minerva enables experts and non-experts to build and publish web applications to search for designs or generate new ones that meet customer requirements. This accessibility eliminates the designer-to-engineer handoff that causes time delays. With the AI-enhanced optimization framework of optiSLang, Vertiv can reduce material usage and lower costs by rapidly simulating ideal design configurations without having to iterate on physical prototypes.

“Ansys’ industry-leading simulation solutions will help drive Vertiv’s business model as we design solutions for the future,” said Steve Blackwell, vice president of engineering at Vertiv. “Our mission is to revolutionize the way the world conceptualizes and develops data centers — from cooling and power technologies through implementing AI in the design of the data center itself. With Ansys, we will more quickly meet critical milestones that will help us deliver the most optimal infrastructure to support our customers’ AI-based projects with energy-efficient and reliable future-forward designs.”

Vertiv is a global provider of critical digital infrastructure and continuity solutions for applications ranging from traditional data centers to next generation “AI factories” with the power of the NVIDIA Blackwell platform.

“Data centers need the right tools to effectively maintain their hardware, so they can keep up with the AI boom,” said Walt Hearn, senior vice president of worldwide sales and customer excellence at Ansys. “Vertiv is an industry leader in this domain, and their deep understanding of the needs of AI-enabled infrastructure allows them to develop both customized and turnkey solutions, enabling all customers to get the most value from their AI projects. By implementing Ansys solutions across R&D, Vertiv will improve productivity, reduce design time, and save considerable costs.”

WEG Uses Ansys Simulation to Design Revolutionary Industrial Motor

13 November 2024

WEG, a global leader in electrical technologies and automation, used Ansys simulation solutions to develop a revolutionary industrial motor. The W80 AXgen electric motor is used in a wide range of OEM industrial applications including air compressors, water pump systems, and generators.

With support and additional services provided by Ansys Apex Channel Partner ESSS, WEG is pioneering a new path forward by introducing axial flux motors to the industrial equipment market. Axial flux motors offer a more optimized and efficient alternative to radial flux motors due to their higher power density and specific torque. Some resulting advantages include space and weight savings, high efficiency levels, and improved durability for a reliable product lifespan.

For instance, a standard industrial induction motor with a power output of 220 kW can weigh up to 1,498 kg. Using Ansys solutions, WEG reduced the weight of this model to 139 kg. Furthermore, with advanced numerical data, WEG achieved an ultra-compact design weighing 51 kg while maintaining performance power in both cases. The higher power density of this technology reduces the amount of raw material significantly, shaving downstream logistical costs like shipping and lowering CO₂ emissions. This demonstrates WEG's commitment to sustainability, efficiency, and innovation.

WEG leveraged multiple Ansys multiphysics simulation solutions for W80 AXgen, including:

- Ansys Fluent fluid simulation software to determine optimal liquid coolant circulation paths for heat management
- Ansys Electronics simulation solutions to design and test the magnets that spin the rotors, calculating important parameters of an electrical machine, such as the electromagnetic torque and efficiency
- Ansys Mechanical finite element analysis software to understand and refine materials load, impact, and stress factors that are central to manufacturing
- Ansys Granta materials information, selection, and data management to quickly identify the most suitable material for a motor with high power density

“With Ansys’ powerful simulation tools and ESSS’ excellent support, we have conducted extensive multiphysics validations in a virtual environment, leading to the successful development of advanced products like the W80 AXgen,” Cassiano Antunes Cezario, r&d manager at WEG. “Ansys simulation provides the ideal balance between speed and reliability — giving us confidence that our products will be durable and perform to our customers’ expectations. We are committed to efficiency, which makes using Ansys simulation an easy yet crucial choice.”

The WEG W80 AXgen is available from 5.5 kW to 220 kW in a single configuration and up to 440 kW when taking advantage of the stackable configuration.

“Ansys simulation helps customers like WEG compete in the marketplace,” said Prith Banerjee, chief technology officer and executive sponsor of sustainability programs at Ansys. “We have been working diligently for over 50 years to refine our leading numerical simulation technology,

and now decades of materials research is catching up. This is the perfect combination for our customers — new materials poised for innovative applications coupled with Ansys simulation solutions that deliver pervasive physics-based insights for more efficient, powerful, and resilient products.”

Product News

ALLPLAN is releasing powerful updates for structural analysis and design with FRILO 2025

13 November 2024

ALLPLAN, a global provider of AEC software, has successfully delivered version 2025 of its structural analysis software FRILO, bringing a variety of new, powerful features and program updates to the market. The highlights of FRILO 2025 include a direct interface to the BIM software ALLPLAN for more efficient reinforcement of reinforced concrete columns, the new PLUS program SLS+ for the design of splice connections, and the option of designing one- and two-sided transverse joints to timber beams with the HO12+.

- Design of Splice Connections with SLS+
- New reinforcement workflow with B5+ and ALLPLAN
- Dimensioning of transverse joints to timber beams with HO12+
- Simulation of partial core failure of the timber beams with HTV+
- New design options for mast foundations with FDM+

With the new version FRILO 2025, ALLPLAN launched a new PLUS program for designing single-axis stressed bolted girder joints with splices for steel constructions. SLS+ allows structural engineers to define splice connections that are characterized as rigid, flexible and hinged. DIN EN 1993 is available for dimensioning with German and Austrian national annexes. In addition to entering several load case combinations, different cross-sections and steel grades can also be defined for each member. Furthermore, it is possible to define different bolt sizes and strengths as well as different arrangement of the bolts in the respective splices. A beam offset can be specified between the member on the right and left.

New reinforcement workflow for concrete columns with ALLPLAN

FRILO and ALLPLAN users can look forward to an efficient workflow for the reinforcement of reinforced concrete columns with the 2025 version. Thanks to a new interface a reinforcement pattern determined for a reinforced concrete column in FRILO's B5+ can be transferred to ALLPLAN. Using the transferred reinforcement data, the reinforcement can be placed in the corresponding column in the BIM software with a mouse click. The data transfer from FRILO to ALLPLAN takes place via BIMPLUS and is achieved with the help of a unique IFC ID.

Dimensioning transverse joints to timber beams

The timber construction details program HO12+ has also been updated. When defining the structural system, users are now able to take into account not only notches and breakthroughs, but also one- and two-sided transverse joints to timber beams. Member connection or joist hanger can be defined as the connection type. The combinations nails/bolts, dowels/bolts and connector joints are also available as fasteners for the material steel to timber and timber to timber. In addition to glued-on splices, also glued threaded rods, fully threaded screws and SPAX fully threaded screws can be selected as reinforcement types. When defining the transverse tensile reinforcements, the HO12+ automatically checks for a reasonable arrangement.

Simulation of partial core failure in the timber beam

When designing lateral reinforcements, users can use version 2025 to define areas along the timber beam to be reinforced in which a partial core failure of the timber beam is to be simulated. This area can be defined multiple times in freely selectable lengths per beam. The system must be stable through the reinforcements. The core failure is also taken into account in the graphical representation of the results. Besides the results of the internal forces, deformations and utilization of all members, users can now also visualize the fastener forces as a graphic. The internal forces of each individual fastener and the resulting utilization per side are displayed.

Free point reinforcement of rectangular and circular cross-sections

With FRILO 2025, in the program B2+ structural engineers can enter reinforcing steel with user-defined parameters using a bilinear or linear work line. In addition, the design of rectangular and circular cross-sections is now possible, considering an exact reinforcement arrangement thanks to the free point reinforcement. The result can be integrated into the reinforcement dialog. In addition, the fire protection design can be carried out with FEM (TA) for rectangular and circular cross-sections in the accidental design situation.

Biaxial design and earth pressure definitions for mast foundations

When modeling mast foundations, users can now also consider a four-sided terrain definition, a groundwater level and several soil layers. In addition, a biaxial design has been added so that in the case of combined loading in the x and y directions, all relevant design directions are evaluated once separately and once as a resulting design direction. The earth pressure and forces as well as the internal forces and the associated neutral axis can be viewed as a graphical result preview and output in the documentation of the results. Furthermore, structural engineers have extensive options when defining the earth pressure for mast foundations. Active earth pressure, any increase in active earth pressure, earth pressure at rest, compacted earth pressure and earth resistance can be used. The application of the decisive earth pressure on the active and passive side is automatically selected according to the resulting loads.

Cadmatic New software release 2024T3

12 November 2024

The latest version of Cadmatic software (2024T3) is absolutely packed with exciting new features. We've made designers' lives easier and elevated the user experience to a whole new level!

Top Picks – what we are most excited about in 2024T3!

Outfitting/3D Plant Design

- **Circular ducts made easy:** Circular ducts manufactured from plates can now be modeled using duct design rules, with an improved interface for routing both circular and rectangular ducts. You can resize entire duct runs and equip flanges with gaskets, making duct design smoother and more efficient.
- **Hull markings for outfitting:** Outfitting steels and plates can now be displayed in Plate Cutting Data Drawings. This enhancement marks outfitting parts on hull plates during cutting, simplifying the installation of outfitting parts on the hull without needing detailed drawings.
- **Aligned pipe support:** The follow pipe feature now aligns pipes with primary supports, ensuring the supporting plane remains consistent across varying pipe sizes and support types, streamlining support alignment across projects.
- **Cable router flexibility:** We're making cable routing more versatile than ever! Now, you can set cable stacking heights beyond the width of the stack – ideal for situations where a single tray accommodates multiple interference classes. This added flexibility simplifies complex cabling scenarios, ensuring that your design aligns with real-world requirements.
- **External valve data support:** Integrate with ease! With enhanced Web API and XML import capabilities, external valve data for ducts is now fully supported. This update streamlines data import processes and enriches your models with accurate valve data from external sources, saving time and reducing potential errors.

Hull

- **View cube for enhanced navigation:** Hull Viewer is getting a sleek new View Cube that replaces the sidebar, giving users an intuitive way to manipulate 3D models and enhancing the overall user experience – another step forward in modernizing Hull Viewer.
- **Outfitting object markings on hull plates:** Streamline installation with semi-automatic markings for outfitting objects on hull plate cutting data. Parts modeled in the Outfitting application that need to be welded to hull structures are now marked directly in the hull plate DXF contours.
- **Jumbo Panels (beta):** Simplify complex plate designs with Jumbo Panels. Create large plates and split them into sub-plates with varied thicknesses and materials, perfect for connected plates on the same plane that need to be differentiated.

Information Management

- **Collision detection reporting:** eShare’s collision detection just got an upgrade! Now, you can save test setups, view results in a table format, and share findings with other users, making collaboration on collision checks easier than ever.
- **Automatic label detection:** AI-driven label detection lets you identify relevant labels from point clouds, configure what’s valuable to your project, and create Smart Points automatically – bringing intelligence to your laser-scanned models.

Electrical

- **LED strip tool for 2D and 3D:** Add LED strips to your design with our new LED Strip tool, now available in both 2D and 3D layouts. Define width, height, and other properties, and assign device IDs, making LED strips function like any other light fixture with dedicated controls.
- **EDZ import for EPLAN macros:** Creating product models just got easier! Now you can import EDZ files directly, adding product details, symbols, images, and manuals into CADMATIC Electrical. Customize what you import, focusing only on the data you need.
- **DIALux evo import and export:** Simplify light calculations by exporting spaces directly from CADMATIC Electrical into DIALux evo. Once lighting calculations are complete, export the IFC file back into Electrical to insert fixtures at the correct coordinates, ensuring accuracy and efficiency.

Draw

- **Customizable ribbon:** Personalize your workflow by creating custom tabs on the ribbon! Add your favorite tools from other tabs or design entirely new functions. Tabs are saved per user but can easily be shared with others, enhancing collaboration and efficiency.

ENCY Software Unveils Update 1.03 for Its CAD/CAM/OLP Solutions

8 November 2024

ENCY Software, a European developer of innovative CAD/CAM/OLP solutions for automating CNC machine and industrial robot programming, is proud to announce the release of update 1.03 for ENCY and ENCY Robot.

This latest update delivers new features, and a range of enhancements designed to boost user experience and operational efficiency.

1. Section Plane

A major highlight of this update is the new Section Plane feature. With this functionality, users can now activate a Section Plane for any 3D model, making it easier to view and fine-tune operations for undercut areas. Previously, this capability was available only for turning operations. Now, users can create a section along a chosen face by selecting it and clicking the “Section” button, expanding the toolset available for more complex tasks.

2. Convenience Enhancements

The update also includes several enhancements aimed at improving usability:

- Auxiliary Coordinate System: The creation menu has been updated for more intuitive operation.
- Angle by Curve: This new option has been added to the Rotary operations, facilitating more versatile machining strategies.

3. Bug Fixes

In addition to new features, update 1.03 comes with numerous fixes that address known issues, ensuring a more stable and seamless user experience.

These enhancements reinforce ENCY's dedication to delivering high-performance solutions that meet the evolving needs of users of CAD/CAM and offline programming (OLP) solutions across various industries.

Note: *The 1.03 update is available to all users with an active annual support contract (SMC).*

Idox's cloud services are now available on G-Cloud 14

8 November 2024

Idox has been named as a supplier on Crown Commercial Service's (CCS) G-Cloud 14 agreement. Their G-Cloud 14 framework provides public sector organisations with a streamlined and efficient way to procure a wide range of cloud-based services, including cloud hosting, software, and support.

By being named on G-Cloud 14, we are making our innovative cloud-based solutions more accessible to current and prospective partners. This means representatives across healthcare, electoral services, facilities management, planning, and many other areas of the public sector have an even faster method for procuring cutting-edge, data-driven software.

Existing customers can renew their contracts through this framework, while new customers can explore our full range of cloud solutions on the government's digital marketplace. You can discover more information on procuring via this framework through our **how to buy** webpage.

We encourage all public sector customers to consider utilising the G-Cloud 14 framework. It offers a more direct method for procurement, avoiding the lengthy and competitive tender process even as it promises that transparency is achieved, assurances are granted, and the process is protected.

The Crown Commercial Service (CCS) supports the public sector to achieve maximum commercial value when procuring common goods and services.

Kontron - More flexibility for IoT applications

12 November 2024

With the susietec[®] toolset, Kontron, a leading global provider of IoT/Embedded Computing Technology (ECT), offers a combination of software, hardware and expertise, that enables companies to implement holistic digital transformation solutions. Thanks to the expansion of the hardened Linux[®]-based KontronOS operating system, Kontron susietec[®] IoT Bundles offer more flexibility for cross-industry IoT applications.

With the susietec® IoT Bundles, Kontron supports international digital transformation projects with specially matched solutions consisting of software and hardware products.

The latest update of KontronOS offers the option of securely installing and updating native applications in addition to Docker containers, while the subsystem remains in read-only mode. This ensures a significantly higher level of security, because the system core remains impenetrable. The KontronOS update function includes both the operating system and customer applications. This provides a flexible and secure environment for the widest range of applications. The integration of this new functionality makes KontronOS an even stronger platform for the secure operation of device fleets over the long term. In conjunction with the remoting solution, updates and maintenance can also easily be carried out remotely.

The new version of the KontronOS operating system based on hardened Linux® sees the range of KontronGrid IoT Bundles for fleet management of edge devices expanded to include the powerful box PCs KBox A-151-TGL and KBox A-151-EKL. This gives customers even greater flexibility when choosing their hardware, both for low-power IoT applications and for data-intensive IoT edge and AI applications. Thanks to plug-and-play functionality, the Bundle is immediately ready for use, which simplifies the connection and management of edge devices and reduces development times.

Another highlight of the new version is the integration of Docker Compose for easy administration of Docker sets. By orchestrating container automation, the KontronGrid IoT Bundle significantly simplifies the installation and deployment process of complex applications. This means that environment variables, bind mounts, and remote files no longer need to be configured manually. Existing Docker sets can easily be used for template configurations to efficiently carry out mass updates.

Moreover, thanks to the extended REST APIs, the templates for mass updates can now also be triggered automatically. For this purpose, template components such as Docker containers, Docker Compose and remote files are managed directly via the REST API and then rolled out to edge devices.

The FabEagle® Connect interface integration solution now also supports the secure KontronOS operating system and the KontronGrid fleet management solution in the Connect IoT Bundle. This allows customers to easily combine the three IoT core elements – connectivity, security and IoT device management – with the high performance KBox series hardware.

The combination of KontronGrid and FabEagle® Connect offers numerous advantages: By implementing Docker containers, the integration solution can be rolled out directly to edge devices using KontronGrid. This allows fast connection of databases and machines, while container management ensures a simple update process, and Docker deployment means that the integration solution can be commissioned quickly.

Lantek Unveils Version 44 of Its Software Suite at MetalMadrid

12 November 2024

Lantek v44 Strengthens Connectivity Between Workshop and MES Systems to Enhance Real-Time Operational Control, Data Flow, and Decision-Making

Lantek, a global pioneer in the digital transformation of sheet metal cutting and processing, will showcase its latest developments at the upcoming MetalMadrid event, taking place on November 20-21 at IFEMA, Madrid.

The company will welcome over 14,000 expected visitors from its stand 9E31, located in Hall 9 of the Madrid exhibition center.

Lantek v44: Connect. Live. Smart.

MetalMadrid will serve as the launch venue in Spain for Lantek's latest software suite, Lantek v44. This release marks a major step forward in smart factory technology, redefining productivity with its "Connect. Live. Smart" approach. The new version enhances connectivity, data flow, and real-time decision-making, leveraging cutting-edge tools. Lantek's software suite provides unparalleled visibility, radically transforming how sheet metal manufacturers operate.

Machine Connectivity Technology

Machine connectivity is a key advancement for the metal industry, enabling the direct transmission of machine signals from the workshop to the MES (Manufacturing Execution System). This integration facilitates real-time communication with workshop management systems, ensuring precise control over both 2D and 3D operations.

At its core, this technology integrates with the MES WOS Live module, allowing automatic validation of operations directly from machine controllers. This optimizes workflows, reduces manual interventions, and ensures production data accuracy. Managers can also access real-time insights into machine performance, making it easier to identify bottlenecks and optimize planning.

The cloud-based Control Panel module complements this technology by enabling monitoring of machine status, diagnosing maintenance issues, and providing daily performance data. By connecting MES, CAD/CAM systems, and machine controllers, this connectivity technology drives efficiency, precision, and control across the entire production process.

Advanced 3D Import Capabilities

Another key enhancement in Lantek v44 is the Assembly to Nesting (A2N) 3D import module, which allows users to import and unfold common 3D CAD formats for quoting or production. This module automatically recognizes the design structure, whether it involves sheet metal, tubes, profiles, or entire assemblies, offering an intuitive interface with real-time 3D and 2D previews. It also recognizes standard bevels, automatically assigning the corresponding technology when transferring part data to Lantek Expert.

With over 35 years of industry experience, Lantek continues to lead the digital transformation of sheet metal manufacturers worldwide, serving over 36,000 customers in 100 countries. Lantek solutions optimize production by integrating with more than 4,500 machine models, providing complete control over every stage of the manufacturing process.

MathWorks and NXP Unveil Model-Based Design Toolbox for Battery Management Systems

13 November 2024

MathWorks, the leading developer of mathematical computing software, and NXP® Semiconductors, the worldwide leader in automotive processing, announced the availability of the Model-Based Design Toolbox (MBDT) for Battery Management Systems (BMS). The toolbox enables engineers to model, develop, and validate BMS applications in MATLAB® and Simulink®, automate C code generation from MATLAB for NXP Battery Cell controllers, and also support NXP's software solution, the BMS SDK components.

BMS is crucial for EVs as it ensures the optimal performance, durability, and safety of the battery packs that power these advanced vehicles. The BMS design process increasingly relies on modeling and simulation to fine-tune algorithms tailored to EVs' specific battery cell types and battery pack configuration. Model-Based Design enables the efficient design of the BMS algorithms, providing a means to test them in simulation for different scenarios, such as driving habits, environmental conditions, and fault occurrences. MBDT for BMS makes it easy for engineers to transition directly from Simulink models to running and testing their BMS algorithms on an NXP processor. This capability simplifies the BMS development process and accelerates the prototyping and testing phases.

"We're excited to collaborate with MathWorks to support automotive engineers in developing the next generation of BMS solutions," said Lars Reger, CTO at NXP Semiconductors.

"Simplifying direct testing with MBDT on NXP processors offers a broad range of benefits, including faster design iterations that allow engineers to identify and fix issues upfront in the design process and reduce time to market."

The MBDT for BMS solution bridges the gap between theoretical design and practical application. Engineers can directly implement their Simulink BMS models onto NXP processors without any manual coding, thereby preserving the integrity and efficiency of their original algorithms. In addition, the MBDT BMS product features integrated Input/Output (IO) connectivity. This functionality allows engineers to perform dynamic, real-world testing on their BMS systems, providing immediate feedback from early hardware prototypes and insights into system performance under various conditions. This level of testing is critical for ensuring the reliability and safety of BMS solutions in real-world scenarios.

"By enabling engineers to go directly from creating BMS algorithms in Simulink to running them on an NXP processor, we're simplifying and accelerating the development process," said Jim Tung, MathWorks Fellow. "The growth of the EV market demands more efficient, reliable, and safer battery systems, and tools like MBDT that streamline and enhance the engineering process will be critical. Reducing development times, facilitating easier testing, and accelerating market entry will be differentiators in this competitive market."

Release Announcement of Elysium 3DxSUITE EX10.0.6

6 November 2024

Elysium has released Elysium 3DxSUITE EX10.0.6.

Key Enhancement

Changed support of CAD versions

Product	Versions added in EX10.0.6	Supported Versions
NX (Plug-in) Importer / Exporter	NX 2406 Series	NX10 – NX 2406 Series
NX (Standalone) Importer	NX 2312 Series	UG10 – NX 2312 Series
Creo Parametric (Standalone) Importer	11.0	2000i – Creo Parametric 11.0
Autodesk Inventor (Plug-in) Importer / Exporter	2025	2019 – 2025

Rockwell Automation Brings Autonomous Operations to Life Using NVIDIA Omniverse

12 November 2024

Rockwell Automation, Inc., the world's largest company dedicated to industrial automation and digital transformation, announced it is integrating NVIDIA Omniverse application programming interfaces into its Emulate3D™ digital twin software to enhance factory operations through artificial intelligence and physics-based simulation technology.

Digital twins enhance equipment development and control testing through simulation models and emulation, reducing startup time and risk. As equipment is connected into lines, models scale and challenges arise from siloed expertise and integration issues between separately engineered components. A system-level perspective, including interoperability across machines, can solve these issues, but requires collaboration for system-level testing. As lines scale, larger digital twins require more computational power, risking bottlenecks. Automation leaders need scalable solutions to achieve full factory-scale models, building on digital twin successes.

Rockwell Automation's Emulate3D software uses the latest NVIDIA Omniverse APIs to create factory-scale dynamic digital twins based on OpenUSD interoperability and NVIDIA RTX rendering technologies. While visualization was previously possible, this enhancement enables true emulation and dynamic testing of multiple machines within a system. This integration, planned for early 2025, will enable improved visualization and simulation capabilities for manufacturing environments.

"Our integration of Emulate3D with NVIDIA Omniverse marks a significant leap forward in bringing autonomous operations to life," said Blake Moret, Chairman and CEO of Rockwell Automation. "By combining our deep industrial expertise with NVIDIA's cutting-edge technology, we're helping our customers achieve new levels of efficiency, innovation, and collaboration in their manufacturing processes."

By using NVIDIA Omniverse, Emulate3D will allow multiple dynamic digital twins to be combined and visualized as a complete factory through a web app. This vendor-agnostic, scalable approach addresses the growing need for factory-scale digital twins created by engineers collaborating across various teams.

Rockwell Automation's expertise in industrial automation and Emulate3D's comprehensive modeling capabilities pair with the NVIDIA Omniverse platform to enable real-time collaboration at scale.

"AI-enabled digital twins are driving the next wave of digital manufacturing and automation," said Rev Lebedian, Vice President of Omniverse and Simulation Technology at NVIDIA. "Rockwell Automation's Emulate3D software allows manufacturers to collaboratively visualize, simulate, and optimize their operations in real time with NVIDIA Omniverse."

With this collaborative solution, manufacturers will benefit from:

- Hyperscale capabilities through Emulate3D's multi-model technology
- Cloud-based deployment options for maximum flexibility
- Vendor-agnostic connectivity to a wide range of 3D applications
- A unified web app for stakeholder visualization

Emulate3D™ digital twin software helps users preemptively identify potential control issues, saving valuable time and resources during implementation. Plant personnel receive additional support by having a virtual space to train on new systems, predict future performance, and simulate line changes without real-world consequences. Emulate3D digital twin software provides a comprehensive and dynamic approach to enhancing efficiency and precision in industrial operations.

NVIDIA Omniverse lets developers integrate various factory layers into a comprehensive model, combining architectural software with industrial digital twins. This enables greater coordination across industrial design and operation. Built for scalability, Omniverse's Universal Scene Description (OpenUSD) foundations and cloud deployments grow alongside projects, helping meet customer demands for even the most complex endeavors.

This unique solution is particularly valuable for industries with complex, hybrid applications such as consumer packaged goods, food and beverage, life sciences, semiconductor manufacturing, automotive, and material handling.

Don't miss an exclusive fireside chat with Moret and Lebedian on Wednesday, Nov. 20, at Automation Fair as they discuss this collaboration, the use of robotics and AI in autonomous technologies, and the future of industrial operations. The companies will showcase this

technology at the upcoming Automation Fair, where attendees can experience firsthand the power of factory-scale digital twins.

Siemens drives AI adoption with Industrial Operations X and NVIDIA-accelerated Industrial PCs

11 November 2024

Siemens, a leading technology company, announced the launch of a new line of Industrial PCs (IPCs) equipped with NVIDIA's GPUs. Along with an extended AI offering, that's part of the Industrial Operations X portfolio, it will accelerate artificial intelligence (AI) applications and mark another milestone in the strategic partnership between Siemens and NVIDIA that was launched in June of 2022.

As a result, Siemens can now offer a scalable computing portfolio dedicated to high-performance industrial applications – from rugged Industrial PCs to Industrial Edge Computing. The integration of the full-stack NVIDIA accelerated computing platform allows Siemens IPCs to handle complex AI tasks in advanced industrial automation: for example, AI-based robotics, quality inspection, predictive maintenance, and operational optimization.

The new offering is estimated to bring a 25-fold acceleration in AI execution to the shop floor when using Siemens' integrated hardware and software enhanced by NVIDIA AI and accelerated computing. This will help drive down costs and accelerate time-to-market for customers.

"Customers driving their digital transformation need high-performance industrial-grade systems. Our new offerings accelerate the next-level AI-based applications," says Rainer Brehm, CEO of Factory Automation at Siemens. "With Industrial Operations X, we've made the latest advances in industrial AI widely available to companies of all sizes."

Rev Lebedarian, Vice President of Omniverse and Simulation Technology at NVIDIA said: "Supercharged by NVIDIA accelerated computing and AI technologies, Siemens' leading portfolio of industrial automation solutions will enable the world's manufacturers to reach new heights of digitalization and deliver incredible efficiencies and agility."

Supercharging AI applications on the shop floor with Industrial Operations X

With the increasing integration of AI and machine vision solutions in industrial automation, Siemens and NVIDIA are striving to make AI capabilities accessible to automation engineers without requiring extensive coding knowledge. This will further democratize access to these cutting-edge technologies.

In addition to no-code tools to integrate, manage, and execute industrial AI solutions, the Industrial Operations X portfolio comprises a wide range of out-of-the-box AI applications. For instance, Simatic Robot Pick AI accelerated by NVIDIA enables OT users with no AI expertise to create AI-driven piece-picking robot solutions that meet critical warehouse automation needs. The Siemens Industrial Copilot for Operations powered by NVIDIA NIM microservices also runs entirely on-site and allows automation and maintenance engineers to make real-time queries

about operational and document data in order to facilitate rapid decision-making and reduce machine downtime.

Full suite of Siemens IPCs powered by NVIDIA technologies

The newly launched Siemens IPCs are NVIDIA-Certified Systems, meaning that they are ready to deploy the many applications built with NVIDIA NIM microservices and edge AI frameworks, including NVIDIA Isaac ROS, Holoscan, and Metropolis. The IPCs are designed to meet the stringent demands of industrial environments and withstand harsh industrial conditions while maintaining a small footprint, which ensures their reliability and longevity.

New devices include the embedded IPC Simatic BX-35A, a powerful and compact device based on the NVIDIA Jetson Orin NX systems-on-modules (SoMs), for high-performance AI computing in a low-power and fan-less design. Other NVIDIA-powered devices include the Simatic IPC RW-545A (high-performance workstation), Simatic IPC RS-828A (high-performance server for production datacenters), and Simatic IPC BX-59A (high-performance modular Box PC).

The Simatic IPC BX-59A offers a comprehensive end-to-end solution for seamless and high-performance AI integration, management, and execution in industrial environments. Along with the newly released robust AI Inference Server GPU accelerated powered by NVIDIA's Triton™ Inference Server, customers can deploy and run AI models in industrial environments with no coding expertise. Combining the AI Inference Server GPU accelerated with the Simatic BX-59A as an edge device, Siemens has measured a 25-fold acceleration in AI execution on the shop floor.

All Simatic IPCs can be ordered with Siemens' Simatic Industrial OS, a real-time Debian-based operating system that comes preinstalled with NVIDIA AI software, enabling rapid deployment of industrial AI applications.

Panel talk at SPS trade show

At this year's SPS trade show in Nuremberg, NVIDIA and Siemens will hold a joint panel focused on the latest examples and trends in industrial artificial intelligence. Rev Lebedian, Vice President of Omniverse and Simulation Technology at NVIDIA, and Rainer Brehm, CEO of Factory Automation at Siemens, will discuss the long collaboration between NVIDIA and Siemens, and the future of industry with AI. The session will take place at the Siemens booth on Wednesday, November 13, at 12:00 noon CET.

Siemens unveils next generation AI-enhanced Electronic Systems Design software

13 November 2024

Siemens Digital Industries Software announced today the latest advancement in its electronic systems design portfolio. The next generation release takes an integrated and multidisciplinary approach, bringing together Xpedition™ software, Hyperlynx™ software and PADS™ Professional software into a unified user experience that delivers cloud connectivity and AI capabilities to push the boundaries of innovation in electronic systems design.

The challenges of engineering talent shortages, supply chain uncertainties and the increasing complexity of designs in the electronic systems design industry have impacted engineers and the development ecosystem, hindering their ability to meet the demands of modern electronics development.

Siemens' next-generation electronic systems design solution aims to address these challenges head-on by delivering an intuitive, AI-enhanced, cloud-connected, integrated and secure solution to empower engineers and organizations in this dynamic environment.

"We are thrilled to announce the release of our next-generation electronic systems design solution, tailored to meet the critical needs of today's electronics engineers and the wider engineering community," said AJ Incorvaia, senior vice president, Electronic Board Systems, Siemens Digital Industries Software. "This release represents our most thoroughly vetted solution to date, incorporating feedback from hundreds of participants. By unifying the Xpedition, HyperLynx, and PADS Pro environments and infusing this with AI, our customers will be ready to tackle their challenges head-on."

Focused on providing highly intuitive tools to overcome talent shortages and enable engineers to quickly adapt with minimal learning curves, the next generation toolset adds predictive engineering and new support assistance using AI, enhancing engineers' capabilities, streamlining, and optimizing their workflows. Cloud connectivity will facilitate collaboration across the value chain and provide access to specialized services and resources, enabling engineers to rapidly adapt to changing requirements, supply chain insights and easier collaboration with stakeholders, regardless of location.

An integrated and multidisciplinary approach is vital for maximizing efficiency and productivity. Siemens' next-generation solution will facilitate the seamless flow of data and information throughout the product lifecycle using digital threads. This integration fosters collaboration, informed decision-making, and optimized designs.

"We are delighted to have collaborated with Siemens, providing feedback as an active user as they have developed this next-generation toolset," said Tom Pitchforth, vice president of Electronics Engineering at Leonardo. "Siemens has been a critical partner for us for over 20 years, and it is essential that our toolset providers align with our future needs, particularly in a rapidly changing and complex landscape. Our primary goals in leveraging the new toolset capabilities include strategic objectives, such as enabling organizational flexibility, and tactical objectives, such as achieving rapid time-to-productivity."

The next generation software also brings enhanced integration with Siemens' Teamcenter® software for product lifecycle management and NX™ software for product engineering, allowing for multi-BOM support and tighter collaboration between ECAD and MCAD domains. To prioritize security, it offers rigid data access restrictions that can be configured and geo-located, while adhering to the strictest industry protocols. Siemens maintains partnerships with industry-leading cloud providers to ensure robust security measures. The solution also includes design and verification requirements management for model-based systems engineering support.

Siemens' next-generation electronic systems design solution, including Xpedition™ NG software and HyperLynx™ NG software are now available, and PADS™ Pro NG software will be available in the second quarter of 2025.

SoftInWay Launches Groundbreaking Power Tokens Licensing Program for AxSTREAM Software Platform

12 November 2024

SoftInWay Inc., a leading provider of turbomachinery design and thermal fluid system modeling solutions, is excited to introduce its groundbreaking Power Tokens Licensing Program for the AxSTREAM Platform. This innovative licensing model, the first of its kind in the turbomachinery design industry, gives engineers unparalleled flexibility to access and utilize AxSTREAM's comprehensive suite of over 70 modules.

With traditional software licenses, companies often commit to fixed terms and specific products, which frequently leads to underutilization. Reports from leading IT consultancies and asset management firms estimate that nearly 40% of software spending is wasted due to rigid licensing models. SoftInWay's Power Tokens Program addresses this issue by allowing organizations to rent a pool of tokens, which can be dynamically allocated across various AxSTREAM modules based on project needs. Engineers simply assign tokens to specific modules as needed and then return them to the pool once their task is complete, making tokens available for use in new tasks and across different teams and projects.

This model enables companies to reduce their licensing costs significantly, with industry insights indicating that token-based licensing can generate savings of up to 60% by optimizing usage and reducing idle software. Additionally, with seamless access to any module in AxSTREAM, teams are empowered to transition quickly between preliminary, detailed, and production design phases, enhancing efficiency and allowing for faster innovation cycles that maintain a competitive edge.

"We are thrilled to introduce this transformative licensing model," said Valentine Moroz, COO of SoftInWay. "The AxSTREAM Power Tokens Licensing Program is a game-changer for companies looking to enhance their engineering flexibility and optimize their software investments. At SoftInWay, we pride ourselves on being an inclusive and forward-thinking organization. This program is designed to meet the evolving needs of modern engineering teams, providing them with the tools they need, when they need them, at a fraction of the traditional cost."

SoftInWay is committed to making its software accessible to engineers of all experience levels and budget constraints. The Power Tokens Licensing Program is another step in their mission to empower engineers with cutting-edge tools, fostering innovation, and driving the development of some of the 21st century's most advanced machines.

Stratasys Enhances GrabCAD Print and Print Pro, Integrating Sustainability and Advanced Workflow Features Across All Core Technologies

14 November 2024

Stratasys announced enhancements to its GrabCAD Print™ and GrabCAD Print Pro™ software, introducing emissions estimations to aid in sustainability efforts. In addition, GrabCAD Print is now available for use on the Neo® stereolithography (SLA) platform, allowing customers to use the same GrabCAD Print build preparation software for all 3D printers offered by Stratasys.

With the expansion of GrabCAD Print to include the Neo platform, the software now supports all five of Stratasys' core technologies. This gives users an integrated software experience for streamlined workflows to support their additive manufacturing capabilities.

GrabCAD Print Pro for Neo offers users a streamlined, user-friendly SLA build preparation and centralized 3D printer management software package. GrabCAD Print integrates seamlessly with Neo's Titanium™ software for advanced file management, intuitive support generation, and precise print control. Neo 3D printers are now included in the GrabCAD Print ecosystem, allowing Neo users essential print preparation capabilities free of charge. This new addition underscores Stratasys' commitment to delivering accessible, high-quality software solutions across its 3D printing ecosystem.

“The availability of GrabCAD across all five Stratasys technologies gives us a significant competitive advantage. Many of our customers use multiple types of printers, and having one software package helps them seamlessly move between technologies,” said Rich Garrity, Chief Business Unit Officer, Stratasys. “Customers can harness the full potential of 3D printing in modern manufacturing, optimizing workflows according to carbon and cost, and driving operational efficiency to have a more responsible, future-ready approach to production.”

The latest GrabCAD Print Pro release includes emissions estimations that allows customers to estimate and optimize the environmental impact of each 3D printing build, aligning with rising demands for carbon footprint transparency. New features provide estimates for carbon dioxide equivalent (CO₂e) emissions on both whole-job and individual-part levels, accounting for variables such as print time, power consumption, and the specific emissions data for customers' production locations. Customers will gain valuable insights for decarbonization and reporting requirements, as businesses address climate action and rising regulation with need for compliance. These emissions estimations are now available for the Company's FDM® technology printers and are in the works for additional Stratasys technologies in the future.

“We're committed to supporting our customers in their journey toward decarbonization and responsible manufacturing,” said Rosa Coblens, Vice President, Sustainability, Stratasys. “Our GrabCAD Print software, a key element in Stratasys' holistic portfolio of sustainable solutions, combines hardware, materials, and software to help manufacturers achieve measurable environmental impacts. With features like emissions estimation, GrabCAD Print empowers customers to align their production processes with ESG goals, climate action priorities, and data-based decision making for optimized operations. This is central to our Mindful Manufacturing approach – offering solutions that not only advance sustainability but also deliver strategic value as part of our customers technology investments.”

Additional enhancements to GrabCAD Print and GrabCAD Print Pro include expanded material support and advanced features for more precise control, specifically the addition of the Split

feature which enables intricate model preparation and the new anchor placement options for Origin DLP printers that support higher accuracy in support structures.

Trimble Advances Construction Workflow Connectivity with New Self-Service Integration Tools

11 November 2024

Trimble® announced enhancements to [Trimble App Xchange](#) and launched [Trimble Marketplace](#) to expand connections between applications and data across construction workflows. With App Xchange, software developers can build integrations that can be sold as ready-to-use options for customers. These integrations can be found on Trimble Marketplace, which now boasts more than 100 integrations between Trimble products and third-party solutions. The announcement was made at the annual [Trimble Dimensions User Conference](#).

Trimble-Marketplace

"App Xchange and Trimble Marketplace are key parts of our commitment to facilitating open, interoperable systems and an automated flow of data between solutions from Trimble and other software vendors," said Chris Pepler, vice president of platform and product for Trimble. "We've made it easier for contractors and other software developers to access and use these solutions because data sharing and workflow integration are increasingly vital to operational efficiency, productivity and safety."

App Xchange can now be used directly by construction contractors to build integrations between Trimble and other software solutions. Additionally, contractors can create custom integrations with unique workflow automation across project management, workforce management and financial management to suit their needs.

One construction software company, called [TOOLTRIBE](#), recently succeeded in using Trimble App Xchange to build an integration between Trimble Viewpoint® Vista™ and their cloud-based app. Together, the integrated experience will help track tools, equipment, and consumables on job sites and in offices. "Getting data in and out of App Xchange has been very clear and straightforward," said Kav Latiolais, software engineer at TOOLTRIBE.

Trimble has also recently added a number of new integrations to the Trimble Marketplace. These include AI-technology startup [Document Crunch](#) and construction-focused CRM [ProjectMark](#). Document Crunch simplifies complex construction documents, identifies project risks and streamlines critical workflows to support better project outcomes. ProjectMark is a construction-specific customer relationship management (CRM) system that helps contractors enhance their digital presence and improve client acquisition.

"Having all Trimble integrations in one place makes it easy for contractors to pick and choose the solutions that best fit their specific needs — whether they be financial or project-related," said Pepler. "It also helps make the construction industry more approachable to technology startups by providing entrepreneurs an easy way to interconnect their solution with others, driving up the value to contractors who are explicitly looking to make their businesses more efficient and profitable."

App Xchange is available as part of Trimble Construction One, a connected suite of software solutions that automates workflows and synchronizes data so that contractors can more easily design, build and maintain their projects. From designing and modeling, estimating to procurement, project management and fabrication, Trimble Construction One optimizes efficiency and facilitates communication among key stakeholders so that the right data can be used to make the right decisions at the right time.

Trimble Expands Access to Advanced Construction Project Management Capabilities with Free Version of ProjectSight Software

11 November 2024

Trimble® is unveiling a free version of Trimble ProjectSight®, featuring AI and advanced tools that were previously inaccessible to many in the construction industry. This initiative underscores Trimble's strategy to empower contractors of all sizes with connected data and workflows. ProjectSight provides a centralized, real-time solution for managing and sharing project information, including documents and drawings. Contractors use the application to collaborate within their teams and with other contractors, architects, engineers and project owners to gain efficiency and minimize risk.

Trimble is highlighting ProjectSight's new, AI-driven feature to automate tasks, save time and increase accuracy at the annual Trimble Dimensions User Conference.

Extending Advanced Collaboration Tools to Everyone

Trimble ProjectSight empowers contractors to connect construction teams by capturing, organizing and sharing critical project data, such as drawings, requests for information (RFIs), submittals and photos. Jon Fingland, vice president and general manager for Trimble construction software solutions, said, "A no-cost version of ProjectSight removes barriers to entry and presents a simple way to experience the project management benefits."

"Some contractors have viewed powerful construction management tools like ProjectSight as too expensive or complicated," explained Fingland. "We envision a future where all contractors use this type of solution to access up-to-date information, collaborate, streamline workflows and make critical business and project decisions more effectively."

Contractors can now access and install the software themselves by creating an account on the ProjectSight website.

AI Feature Ushers in a New Era of Automation

Trimble's ProjectSight AI-driven capabilities were developed in collaboration with Microsoft. Trimble integrates Microsoft Azure OpenAI Service to add automation to project management workflows, improve efficiency and accuracy, and free up construction professionals to spend more time on critical tasks rather than administrative work.

A new ProjectSight drawing import feature uses AI to read and extract critical drawing information. "The specialized drawing tool goes beyond standard optical character recognition with an engine that can read the name, revision number and content more holistically,"

Fingland explained. "This makes it much faster to upload, validate and publish drawing sets without re-keying information."

ProjectSight Options

The new, free version of Trimble ProjectSight provides a centralized environment to manage and share drawings, photos, specifications, submittals, punchlists and RFIs. Contractors can also create customized dashboards to view and organize upcoming document-related tasks.

Additional versions of ProjectSight — available with paid subscriptions — allow for unlimited projects and data, and provide advanced cost management, field management, workflow connectivity and integrations with Trimble Viewpoint® Vista™ and Spectrum® construction management software.

Trimble hardware and software solutions for architecture, engineering and construction — including ProjectSight — elevate performance, efficiency, coordination and data-driven decision making across workflows and project phases. With Trimble Construction One™, customers can purchase, manage and use multiple Trimble solutions cohesively. This connected construction approach enhances collaboration and visibility by linking people, processes, data and the physical and digital aspects of planning, designing and building.