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CIMdata News

CIMdata to Host a Free Webinar on Minimum Model-Based Design for Type Design Certification

18 January 2022

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces an upcoming free educational webinar, “Building a Consensus Agreement on an A&D Model-Based Design (MBD) Minimum Position.” The webinar will occur on Thursday, 10 February 2022, at 11:00 a.m. (EST) and last for one hour.

The aerospace & defense (A&D) industry is moving towards a product design environment based on 3D Model-Based Definition for product description. This webinar will consider:

- How CIMdata facilitated the A&D PLM Action Group’s project to agree upon the Minimum MBD for Type Design Certification.
- The results of the agreement.
- The project management efforts needed to gain that agreement.
- The ongoing research to expand A&D requirements in MBD.
- How these topics can help other industries gain a similar consensus.

Attendees at this webinar will:

- Gain an understanding of the MBD constructs needed by the A&D industry and how they may apply to their products.
- Learn about the approaches CIMdata used to gain consensus and those approaches that did not work.
- Learn what the A&D industry believes is not yet covered by current MBD definitions and how that may impact your own company’s product designs.

According to Dr. Ken Versprille, an Executive Consultant at CIMdata, and the host for this webinar, “For any industry’s major competitors to come together to identify objectives, requirements, and plans for the remediation of their common PLM pain points is a milestone in history. Helping to guide those efforts has been a challenge and provides a how-to lesson for other industries who look for similar success.”

Dr. Versprille has over 40 years of experience applying computer-based solutions for engineering and manufacturing. His research spans geometric design, design collaboration and automation, PLM standards and openness, and CAD integration across PLM applications. Dr. Versprille published the first description of NURBS, the mathematical curve-and-surface formulation, now an international standard in CAD and Computer Graphics. In 2005 he received a Lifetime Achievement Award from The CAD Society.

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-building-a-consensus-agreement-on-an-a-d-mbd-minimum-position>. To register for this webinar, please visit: <https://register.gotowebinar.com/register/1381890822207934988>.

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New article from CIMdata's President & CEO, Peter Bilello, Featured on Engineering.com

18 January 2022

A new article from CIMdata's Peter Bilello is featured on Engineering.com. The article "Digital Transformation: New Techniques and Technologies Disrupt Accumulated Expertise," considers the "human factor" of successful digital transformation and why it is imperative to transform workforce skills.

The article addresses:

- The prioritization of the new digital skills required.
- The development of sound educational approaches.
- Understanding the consequences.

The article also considers a trio of uncomfortable workforce realities:

1. Increasingly we base our business decisions and actions on analyzing data, meaning there is less reliance on the experience and insights held in the heads of key people. This is due to innovations in analytics as well as access to the vast amount of available information in the Cloud (a.k.a. Big Data) which resides outside the enterprise's own repositories.
2. The obsolescence of expertise and skills acquired over entire generations of the workforce. In every software marketplace, solution providers vie to automate processes and tasks. Clever new tools, features and functions are sidelining even the most specialized processes and isolated tasks.
3. Inadequate skills and the scarcity of workers with the basic technical qualifications needed for the collaboration and the product and process innovation today's new products require.

To read the full article and catch up with previous articles on digital transformation visit:

https://www.engineering.com/story/digital-transformation-new-techniques-and-technologies-disrupt-accumulated-expertise?postID=242826&utm_source=email_post-notification_following-stories

Wipro's Smart, Digital, Intelligent Strategy - a CIMdata Commentary

20 January 2022

Transforming Industry while Addressing Global Sustainability

Key takeaways:

- The industry 4.0 approach is gaining traction across industries. What started as a concept is becoming industrialized, as successful pilots transition to production.
- Pilot successes have been slow to evolve to operate at scale because true transformation requires people, process, technology, data, and profitability dimensions to be addressed across the extended enterprise.
- Wipro's Smart, Digital, Intelligent (SDI) framework helps businesses get the full benefits of Industry 4.0 by bringing together the right business process, organizational change, and technology services and identify what to control (Smart), how to collaborate (Digital), and why to optimize (Intelligent) to ensure projects don't get stuck in perpetual pilots.
- Sustainability and greenhouse gas emissions are growing concerns worldwide. Wipro has applied the SDI framework to help customers address these global challenges by monitoring, controlling,

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and minimizing emissions as part of the digital transformation program.

Introduction

Industry 4.0 began in 2006 in Germany and has grown over the years to become a global initiative. It is an industrial strategy often tailored to the needs of different countries that describes how connected manufacturing and commerce will function. It defines cyber-physical systems (CPS) that leverage the bidirectional connectivity of the Internet of Things to minimize waste while maximizing return on investment and organizational effectiveness. [1]

At the strategic level, Industry 4.0 makes sense and is compelling, but most industrial companies struggle to get beyond pilot projects. There are many reasons for such lack of progress and most fall into the categories of people, process, and technology. Changing established processes is hard, people resist change, and the technology is complex.

To achieve maximum benefits, Industry 4.0 must operate at enterprise-wide scale. If not, functional silos will continue to exist, return on investments won't meet expectations, and many processes will grow more complex when supported with limited automation and legacy approaches.

Wipro's SDI Framework

Wipro, a leading system integrator (SI), has created a framework known as Smart, Digital, Intelligent (shown in Figure 1) to support customers' digital transformation initiatives, including Industry 4.0.



Figure 1—Wipro's SDI framework
(Courtesy of Wipro)

The “Smart” aspect focuses on transforming legacy equipment and devices into intelligent devices thus establishing control. By creating connected equipment, control and digital data exchange are established enabling automation. The devices, such as equipment and work cell controllers and robots, receive digital instructions and return data to provide status and support decision making. Edge computers can process data to derive insights to support autonomous decisions and offload data for deeper processing in the cloud. In the most forward-thinking companies these capabilities support closed loops among manufacturing, service, and product development, enabling improved productivity, quality, and enhancing designs.

The “Digital” aspect is focused on virtual product and process models, represented by digital twins. A wide variety of tools are used to model virtual products and processes, including mechanical, electrical, electronic, and software tools as well as recipe management solutions within food & beverage and many other process industries. Plant and process modeling tools are used to predict process and plant performance in discrete and process manufacturing. To be competitive, these modeling tools need to be

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managed and integrated. Configuration management, a core PLM capability, is critical to ensuring product and production definitions are accurate, complete, and synchronized to ensure everything works as planned and traceability is captured. Traceability, required for regulated industries, also helps minimize waste and uncertainty in all industries by ensuring data is properly managed and easy to find. The “Intelligent” aspect of the framework leverages the inherent intelligence associated with “Smart” and “Digital” to provide context based on the embedded process. Wipro then applies advanced technology, including artificial intelligence and machine learning (AI/ML) to support cognitive modeling and augmented and virtual reality (AR/VR) to improve operations. The use of AI/ML to support cognitive modeling is just one of many areas where Wipro is [applying advanced technology to support real-world business issues](#). Beyond technology, a critical aspect Wipro brings to an engagement is helping their customers develop strategies to meet business objectives and ensure their organizations can meet stated objectives. CIMdata sees Wipro’s SI background as a critical capability to making a framework like SDI succeed.

Bringing SDI to Market

During CIMdata’s discussions with Wipro, Wipro reviewed their approach to delivering SDI to market. Digital transformation has an enormous scope that can lead to “boiling the ocean”, both within industrial companies and systems integrators, if projects are not well planned and executed.

While Wipro has the expertise and scope to provide support across most industries with solutions based on technology from all the leading independent software vendors (ISV), they have chosen to launch SDI, focusing on key industries and a small number of ISVs. Wipro could apply SDI and all the technology they support across all their supported industries but are currently focused on automotive and industrial discrete manufacturing and oil & gas operations and chemicals within the process industry markets.

Within these markets, the core strategies supported include connected assets, digital research and development (R&D), resilient infrastructure, and servitization.^[2] These strategies complement each other and combine to dramatically restructure how businesses operate. Digital engineering creates the models needed to support digital twins. Using modern tools and solutions such as CAD, simulation, Model-Based Systems Engineering (MBSE), and PLM to develop and test models of products and processes, engineering becomes digitalized. Leveraging infrastructure including IoT, modern networking, the cloud, and the Internet ensures resiliency and enables operational data to be connected to digital twins, validating simulations, enabling condition-based and predictive maintenance, and supporting closed-loop digital engineering.

Connecting digital twins with physical assets enables new business models based on servitization. As asset performance is modeled, manufacturers can take on more responsibility for the asset including offering their product as a service. This allows customers to focus on the most critical aspects of their business (what they deliver to their customers) while having the in-use equipment operated by experts with a pay-for-performance model, thus improving efficiency. With this model, the equipment producer expands their revenue while optimizing equipment usage for total lifecycle cost rather than upfront market pricing, creating a win-win solution for their customers.

Making Industry 4.0 and advanced strategies such as servitization effective is not an out-of-the-box process. There are many variables beyond digital models and IoT that need to be understood and optimized. CIMdata has followed Wipro for many years and has observed their acquisitions, capabilities, and successes across industries applying diverse technologies and domain expertise. Making technology work at scale is critical to achieving acceptable returns on investment. To stay

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competitive and grow, companies need to address all the domains of the Smart, Digital, and Intelligent paradigm to enable a complete solution that is continuously improving as learning happens and market conditions evolve.

Applying SDI to Sustainability

Enterprises no longer have a choice about sustainability. Funding, market access, and even customer adoption are now influenced by an enterprise's commitment to delivering an ecosystem sustainable for current and future generations. There is growing evidence that climate policy is increasingly interwoven in trade policy. Businesses must transform to meet regulatory and market requirements fast enough to remain sustainable. With the post-pandemic new normal, where digital-first strategies are becoming more evident, sustainability goals must help define the targets for digital transformation. The adoption of digital technologies often lacked clear business linkages, and the ROIs were tough to justify. Still, sustainability policies, especially around greenhouse gas (GHG) emissions, are an excellent way to justify a digital transformation and track progress. It is therefore imperative that every aspect of the business, including digital transformation and engineering, be interwoven with sustainability initiatives.

Part of the criteria Wipro used to choose the initial focus of SDI was the sustainability aspect. Table 1 shows how Wipro categorized GHG emissions by industry. The Smart capabilities help organizations control operations and maintenance functions, while Digital capabilities enable collaboration throughout the organization and value chain. The Intelligent capabilities, meanwhile, help companies drive results through optimization.

Emission Category	World CO ₂ Emissions 2020
Power	40%
Industry	23%
Transport	23%
Buildings	10%
Other	5%

*Table 1—Worldwide CO₂ Emissions by industry
(Source: International Energy Agency[3])*

The table above shows that industrial, transportation, and power production account for 86% of CO₂ emissions illustrating why Wipro chose those industries for the SDI launch. Factories are used across these industries, making them a perfect target for an Industry 4.0 approach. Wipro further detailed its SDI framework for sustainability to focus on

- Design, engineering, and construction
- Operations and maintenance
- Decommissioning, refurbishment, and reuse

For design, engineering, and construction, Wipro enables real-time visibility into the effects of changes on processes, equipment, and systems, improving efficiency by automating data exchange and avoiding mistakes caused by insufficient or inaccurate data. By aligning sustainability goals with the typical focus on efficiency improvement and waste reduction within operations and maintenance—a strategy that aligns well with lean approaches prevalent in modern manufacturing facilities—companies can leverage digital transformation to realize sustainability gains. CIMdata is impressed with how Wipro has applied

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SDI to the critical problem of GHG emissions and is looking forward to updates on their progress.

Conclusion

Industry 4.0 is rolling out across industries with mixed results. While the vision is clear, putting it into practice at scale continues to challenge enterprises. Companies often believe Industry 4.0 is about technology, but it requires much more. People, processes, technology, and data all need to be incorporated into the solution to succeed.

Wipro's Smart, Digital, Intelligent (SDI) framework leverages its skills in technology, process reengineering, and organizational change to help industrial companies achieve their vision of operating at scale with an Industry 4.0 strategy. Wipro has also applied SDI to sustainability, an area where CIMdata has ongoing research and a long-term interest. CIMdata believes a comprehensive solution such as SDI can have a real impact on digital transformation in the discrete and process manufacturing industries and is looking forward to hearing more about its application to sustainability issues. Wipro's SDI framework, size and global experience make them a prime contender for any company looking for digital transformation assistance, especially those who want to adopt an Industry 4.0 strategy.

[1] Research for this commentary was supported by Wipro.

[2] Servitization is the conversion of a product to an as-a-service business model.

[3] <https://www.iea.org/data-and-statistics/charts/global-energy-related-co2-emissions-by-sector>

Acquisitions

Autodesk Acquires Moxion Cloud Solution for Digital Dailies

19 January 2022

Autodesk announced the acquisition of Moxion, the New Zealand-based developer of a powerful, cloud-based platform for digital dailies used by leading filmmakers on some of the world's most complex and challenging productions, including "The Midnight Sky," "The Marvelous Mrs. Maisel," and "The Matrix Resurrections." The acquisition of Moxion's talent and technology will expand Autodesk's own cloud platform for Media and Entertainment upstream, moving beyond post-production into production, bringing new users to Autodesk while helping better integrate processes across the entire content production chain.

Founded In 2015, Moxion has rapidly become a leading cloud technology player in the M&E industry, winning accolades that include an Engineering Excellence Award from the Hollywood Professional Association (HPA), a Workflow Systems Medal from the Society of Motion Picture and Television Engineers (SMPTE), and a Lumiere Award from the Advanced Imaging Society.

Moxion established itself as a leader in secure digital dailies workflows. The company enables professionals to collaborate and review camera footage on-set and remotely with the efficiency and immediacy required to make creative decisions during principal photography in 4K high dynamic range (HDR) quality and with studio-grade security, reducing rework. Data protection is paramount at Moxion, ensuring security with features like MPAA compliance, multi-factor authentication, visible and invisible forensic watermarking and full digital rights management.

"As the content demand continues to boom with pressure on creators to do more for less, this acquisition helps us facilitate broader collaboration and communication, and drive greater efficiencies in the production process, saving time and money," said Diana Colella, SVP Media & Entertainment,

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Autodesk. “Moxion accelerates our vision for production in the cloud, building on our recent acquisition of Tangent Labs.”

“We look forward to combining the efforts of our talented team with the deep resources and wealth of engineering talent at Autodesk to give customers new Moxion features and integrations,” said Hugh Calveley, CEO, Moxion. “Bringing together industry leading on-set and post-production workflows will help unite data and increase collaboration across the production process to improve project efficiency.”

Aaron Morton, a cinematographer who has worked on projects including “Orphan Black,” “Black Mirror,” “American Gods,” and Amazon’s new “The Lord of the Rings” series used Moxion for several projects.

“It’s never fun when decisions are being formed about your work if the dailies aren’t the way you wanted them to look,” said Morton, NZCS. “With Moxion, it’s what I see on the set, and the decisions I make with the dailies colorist always play out so that production people and producers are seeing what I want them to see. The images are very true to what we see while we’re shooting.”

The Moxion acquisition expands Autodesk’s customer base upstream, moving beyond post-production to on-set production, a critical point in the film and television production process. This is when the bulk of raw production data is generated, and creative decisions are made that have significant impact downstream during post-production.

The transaction closed during Autodesk’s fourth quarter of fiscal 2022, ending January 31, 2022, and will have no material impact on Autodesk’s fourth quarter and fiscal year 2022 guidance presented on November 23, 2021.

Francisco Partners to Acquire IBM’s Healthcare Data and Analytics Assets

21 January 2022

IBM and Francisco Partners, a leading global investment firm that specializes in partnering with technology businesses, announced that the companies have signed a definitive agreement under which Francisco Partners will acquire healthcare data and analytics assets from IBM that are currently part of the Watson Health business. The assets acquired by Francisco Partners include extensive and diverse data sets and products, including Health Insights, MarketScan, Clinical Development, Social Program Management, Micromedex, and imaging software offerings.

The transaction is expected to close in the second quarter of this year and is subject to customary regulatory clearances. Financial terms of the transaction were not disclosed.

“Today’s agreement with Francisco Partners is a clear next step as IBM becomes even more focused on our platform-based hybrid cloud and AI strategy,” said Tom Rosamilia, Senior Vice President, IBM Software. “IBM remains committed to Watson, our broader AI business, and to the clients and partners we support in healthcare IT. Through this transaction, Francisco Partners acquires data and analytics assets that will benefit from the enhanced investment and expertise of a healthcare industry focused portfolio.”

Since its launch over 20 years ago, Francisco Partners has invested in over 400 technology companies, making it one of the most active and longstanding investors in the technology industry. Francisco Partners has extensive experience in healthcare technology and its healthcare investments have focused on companies that are leveraging technology to provide innovative products and solutions to the healthcare ecosystem including patients, providers, payers, pharma, life sciences and governments. Select current and past investments in the sector include Availity, eSolutions, Capsule, GoodRx,

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Landmark, QGenda, Trellis, and Zocdoc.

“We have followed IBM’s journey in healthcare data and analytics for a number of years and have a deep appreciation for its portfolio of innovative healthcare products,” said Ezra Perlman, Co-President at Francisco Partners. “IBM built a market leading team and provides its customers with mission critical products and outstanding service.”

Justin Chen, Principal at Francisco Partners, added, “Partnering with corporations to execute divisional carve-outs has been a core focus of Francisco Partners. We look forward to supporting the talented employees and management team, helping the standalone company focus on growth opportunities to realize its full potential, and delivering enhanced value to customers and partners.”

Under the terms of the agreement, the current management team will continue in similar roles in the new standalone company, serving existing clients in life sciences, provider, imaging, payer and employer, and government health and human services sectors.

Sage completes acquisition of Brightpearl to support a thriving online retail sector

18 January 2022

The Sage Group plc, the leader in accounting, financial, HR and payroll technology for small and mid-sized businesses, today announces that it has completed the acquisition of Brightpearl, a cloud-native multichannel retail operating system for retailers and wholesalers. With the acquisition of Brightpearl, based in Bristol, U.K., and Austin, Texas, Sage builds on its significant technology investments for growth, as well as its support for CFOs as they digitalise their operations.

The acquisition extends the Sage Intacct value proposition, supporting customers in product-centric eCommerce organisations. Facilitating customer operations after the ‘buy’ button has been clicked, Brightpearl supports merchants with a complete retail eCommerce solution that enables them to benefit from:

- Reduced complexity as they can offer the same level of customer service across multiple channels & countries
- A single source of data across orders, finance, customers, and stock availability to support timely decision making and optimise margins with accurate demand forecasting
- Automation for growing businesses to improve their bottom line by removing manual error and unforeseen costs
- The flexibility to change or adopt new business models B2B/DTC/B2B without swapping out the technology stack

This will enable Sage to offer customers end-to-end retail financial management, inventory planning, sales and order management, purchasing, and supplier management, CRM, fulfilment, warehousing, and logistics management.

“We have made great strides in providing the technology businesses need to digitally transform their organisations today and for tomorrow. For Sage Intacct customers, the value of being part of the Sage digital network is truly coming to bear through the AI technology we have put in their toolkit to help them streamline their work and save them valuable time – whilst providing their customers with an even better service,” said Dan Miller, EVP, Sage Intacct. *“The acquisition of Brightpearl sees us doubling down on our vertical strategy to bring these benefits to retail eCommerce organizations, expanding our ability to increase the role technology plays in the world’s leading businesses.”*

Sage is in the process of onboarding early adopter customers to an integrated solution between Sage

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Intacct and Brightpearl. The solution will be broadly available later this year.

“We have been both a Brightpearl and Sage Intacct customer for a few years now and are excited to see the coming together of these two brands,” said Maria Gunter, CFO, BASE - experts in materials procurement and manufacturing. *“Customers will find benefit in combining the power of Brightpearl’s e-commerce automation on the front-end with Sage Intacct’s best in class accounting features on the back-end to both streamline business processes and provide the most robust financial reporting and managerial analysis available - we look forward to seeing what the future holds.”*

Sage plans to continue to offer Brightpearl as a market solution, providing merchants with the choice of accounting modules or accounting platforms. This provides businesses with a single vendor to work with, as well as access to a broader portfolio of additional Sage solutions to meet their needs.

Mickey North Rizza, vice president, IDC, said: *“Brands that sell online are no longer limited to traditional store hours. Instead, sales can happen around the clock, opening the business to ever more customers that can shop when it suits them. For merchants, linking the point of sale to the back office will not only support them with visibility of inventory but will also address currency risks from cross-border trade as well as unforeseen VAT and customers duties. This is a win-win for merchants and their customers.”*

In addition, Sage’s recent technology advancements for Sage Intacct customers include a continued focus on growing its team of data scientists and AI engineers to expand the Machine Learning infrastructure, investing in innovative solutions such as the AI-driven General Ledger Outlier Detection tool, Sage Intelligent Time, and a new predictive absence management tool. Sage Intacct has also recently expanded its reach with Sage Intacct CRE, a solution to support customers in the construction and real estate space.

Company News

Agiloft Kicks Off New Year With Massive Momentum And Brand-New Visual Identity

18 January 2022

Agiloft, the global standard in no-code contract lifecycle management (CLM), announced a record year in 2021 with a 100% increase in customer bookings, a 60% increase in annual recurring revenue (ARR), and a 72% increase in headcount. In the wake of this success, Agiloft will start off 2022 with a new visual brand and a refinement of its core company mission of delivering “Contract Management Without Compromise.”

“2021 marked the beginning of a new era here at Agiloft,” said Eric Laughlin, Agiloft CEO. “We saw unprecedented growth in sales and our customer base, especially in the enterprise market, and made significant additions to our team. We launched Agiloft’s powerful Connected Experiences for seamless integration with the enterprise tech stack. We greatly expanded our partner program and consistently received positive feedback from our customers, contributing to the growing list of industry awards and recognitions. Therefore, we have marked this new era with a new visual identity that conveys our key strengths: agility and empowerment.”

Record Growth

In line with the company’s goal to expand its vertical and geographic market presence after a \$45 million growth equity investment in 2020, Agiloft grew new customer sales by 100% in 2021 and boosted ARR by 60% while also maintaining a customer satisfaction score of 95.5%.

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New Brand in 2022

Building on the momentum from 2021, Agiloft is launching its new visual identity and core brand message to kick off 2022. The new identity is modern and bold, friendly and relatable and portrays Agiloft's qualities of agility and empowerment while conveying its benefits and trustworthiness. Meanwhile, its new brand message is all about the increased expansion of possibilities: "We believe our enterprise customers deserve CLM without limitations, so we work every day to ensure Agiloft is the CLM solution that provides unparalleled agility, seamless extensibility, and deep expertise," said Eric Laughlin.

Team Expansion

Agiloft also welcomed new leadership to solidify management expertise and support continued growth. This includes Gordon Loudon as VP of Professional Services and Training, Angel Lange as VP of Finance, Anne McNulty as Senior Director of AI Success, and Dan Mosera as Senior VP of Strategic Accounts. Overall, Agiloft increased headcount by 72% in 2021 with significant hiring in implementation, sales, marketing, and customer success to serve its growing client base.

Partner Program

Agiloft continued to grow its **Partner Program** geared towards greater joint customer value and expanded partner opportunities. Focused on a strategic set of partnerships with leading resellers as well as service and technology providers, 2021 saw new alliances with **Boomi**, a Dell Technologies business provider of cloud-based integration platform as a service (iPaaS); **Tableau**, a visual analytics platform; **Factor**, an alternative legal services provider (ALSP); **Elevate**, a global law company; and most recently, **Tata Consultancy Services**, provider of global IT services, consulting, and business solutions.

Product Releases & New Integrations

Accelerating the development of its CLM software, Agiloft released an overhaul of its UI, released a new product module, and accelerated its development of Connected Experiences. The new intuitive interface increased user adoption and advanced capabilities for automating and integrating complex contract processes, allowing customers to quickly adapt workflows as needs change. The latest update featured **Connected Experiences** to empower users to utilize Agiloft CLM as a connected system of record across the organization using familiar apps like Microsoft Teams, Microsoft Word, Salesforce, and more.

ASSESS Initiative Announces PSRE as an ASSESS 2022 Complete Gold Sponsor

18 January 2022

ASSESS Initiative, a broad reaching multi-industry initiative to facilitate a revolution of enablement that will vastly increase the availability and effectiveness of Engineering Simulation is proud to announce that PSRE Co, the developer of PASS software, will be a 2022 Complete ASSESS Gold Sponsor. The Complete ASSESS sponsorship includes sponsorship for the ASSESS webinars, the upcoming ASSESS 2022 Congress to be held at The Georgian Terrace in Atlanta, GA on May 1-3rd, 2022, and for general ASSESS Initiative activities.

"Our mission is to deliver powerful, smart and easy to use engineering simulation software (PASS) to every process, piping and mechanical engineer," said Leonid Korelstein, VP on R&D at PSRE Co. "We are pleased to support the ASSESS Initiative and its annual congress as part of the collaborative effort to improve the awareness and increase the value of engineering simulation to the industry."

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The ASSESS 2022 Congress is the 5th annual congress for ASSESS organized to “enable” both strategies and relationships related to significantly increasing the use and benefit of Engineering Simulation. Key business drivers are forcing a “simulation revolution” to overcome the issue of required expertise which is limiting the expansion of Engineering Simulation usage. The theme of the ASSESS 2022 Congress is “Advancing the Engineering Simulation Revolution.”

Registration for the ASSESS 2022 Congress is by invitation only and is limited to 110 attendees. Registration will close either when all available seats are taken but no later than April 22, 2022.

The ASSESS Insight Webinar Series is planned to be a combination of ASSESS related presentations and ASSESS theme-based panel discussions. The webinars are tentatively planned for the first Thursday of every month.

“PSRE Co has been a supporter of the ASSESS Initiative and the ASSESS Congress for quite some time and we appreciate their continued support of the ASSESS Initiative, the ASSESS Insight Webinars and their support and participation at our annual congress,” says Joe Walsh, CEO and Co-Founder of the ASSESS Initiative.

The ASSESS Initiative was formed to bring together key players, both users and developers of simulation software, to guide and influence the software tool strategies for performing model-based analysis, simulation, and systems engineering with a vision “To significantly expand the use and benefit of software tools for model-based analysis, simulation, and systems engineering in the engineering applications domain.”

The ASSESS Initiative Membership program provides the ability for the ASSESS Initiative to expand its efforts and community benefits beyond the annual congress. The ASSESS Membership Program is appropriate for all organizations engaged in Analysis, Simulation, and Systems Engineering activities related to Engineered products & processes. The ASSESS Membership Program is offered in individual or group memberships. Active ASSESS Initiative Members receive access to Members Only content on the ASSESS website and a discount on the ASSESS Congress Registration Fees.

Doxel Completes Its Executive Team With the Hire of its New Head of Global Marketing

19 January 2022

Doxel, an AI-first Project Controls cloud-based service, delivers actionable project insights to Owners and GCs. With the recent addition of Andrea Neiman, the new Head of Global Marketing, Doxel completes its executive search as it paves the way for a new category in construction digital technology.

Andrea Neiman has spent over 16 years of her marketing career redefining brands and introducing products into global and underrepresented markets for small to enterprise-sized B2B brands, such as Logitech, Adobe, TIBCO, Kensington (a division of ACCO Brands), and NetLine Corporation (an Informa PLC company). Prior to joining Doxel, Neiman joined BuildingConnected, an Autodesk company, to lead its Product Marketing. She was instrumental in spearheading the company’s positioning in the Construction Bid Management space and eventual acquisition by Autodesk. While at Autodesk, she lead its Preconstruction Product Marketing team and expanded her leadership to drive Global Product and Channel Marketing efforts for the company’s construction division, Autodesk Construction Solutions.

“In addition to being incredibly well-respected as an original thinker by her peers, Andrea’s integrated marketing experience, passion for the construction industry, ‘human’ approach to positioning complex solutions to highly matrixed organizations, and ability to facilitate relationships and outcomes at scale,

CIMdata PLM Industry Summary

are all leading indicators of the success she'll bring to Doxel," said Saurabh Ladha, Doxel co-founder and CEO. "We are beyond delighted to have her leadership and experience as the newest member of our executive team as we continue to grow in existing construction markets and innovate new ones."

Leading the marketing charge at Doxel and reporting to the CEO, Neiman will focus on not only delivering a complete portfolio of acquisition and retention-based marketing programs but also positioning Doxel as a category leader in the Project Controls and Construction Management space.

"In joining Doxel, I've been impressed by the team's inventive spirit, passion, dedication to client success, and cutting-edge digital technology, backed by Insight Partners and Andreessen Horowitz," said Neiman. "The empowerment that Doxel offers its customers with AI-based software-as-a-service is a game-changer in how builders—owners and contractors alike—can protect their capital investments and profit margins. In my experience working with some of the best construction-based software this industry has to offer, Doxel's mission, through its AI-powered platform, delivers a whole other level of partnership to the industry. I'm honored to be working with an esteemed and talented group of executive leaders that will inspire how customers think about the power of AI and its impact in construction management."

The announcement of Neiman's new role comes on the heels of the hiring of Garrick Ballantine as the company's Chief Revenue Officer, Reid Senescu as the new Head of Product, and the company's recent announcement of closing \$40 million in Series B financing in a round led by New York-based global private equity and venture capital firm Insight Partners, with participation from existing investors Andreessen Horowitz and Amplo.

DXC Technology Expands Global Partnership with ServiceNow to Accelerate Enterprise Service Management and Operational Transformation, Underpinned by DXC Platform X™

19 January 2022

DXC Technology, a leading Fortune 500 global technology services company, announced the formation of a new global DXC ServiceNow Strategic Business Group to deliver market-leading, cost-efficient, resilient technology services that transform enterprise service operations, built on DXC Platform X™.

DXC has named ServiceNow the preferred workflow partner for DXC Platform X, a data-driven, intelligent automation platform that helps detect, prevent and address issues before they happen with resilient, self-healing IT estates. NelsonHall has named DXC Platform X as a "Leader in Cognitive & Self-Healing IT Infrastructure Management," reflecting DXC's ability to deliver immediate benefits through automation while meeting customer requirements for their future operating models.

"For our customers, it's about modernizing and automating their IT estates to achieve a state of 'silent operations,' saving time, money and letting customers focus on what's most important --- running their business," said Mike Salvino, President and CEO, DXC Technology. "We manage complex IT estates on DXC Platform X and building on this unique strength with ServiceNow will establish us as a clear market leader in the enterprise service management market."

"Business leaders recognize their technology strategy is their business strategy," said ServiceNow CEO Bill McDermott. "As the platform leader for enterprise workflow automation, we are inspired to team up with DXC. Their global reach combined with their deep technology expertise will help customers harness the full value of digital transformation. We expect this signature partnership to continue expanding in the years ahead."

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DXC is a ServiceNow Global Elite Partner and brings deep industry expertise, ensuring that customers like Swiss Federal Railways and AEON will continue to achieve maximum returns on their ServiceNow platform investments.

AEON, a leading retail company operating over 19,000 stores, reimagined its employee experience for approximately 570,000 people by utilizing DXC Platform X and DXC consulting and operation services. “With the DXC agile methodology, we were able to deploy ServiceNow’s latest innovations quickly, with the right approach on an effective schedule. We will continue to expand the scope of our ServiceNow platform by deploying a self-service portal function with support from DXC,” said Susumu Taniguchi, General Manager of System Architecture & Technology Division at AEON Integrated Business Service Co., Ltd.

Globally, DXC has more than 6,500 implementations and over 1,000 ServiceNow certified resources with plans to double that number of resources.

HCL Technologies Appoints Prabhakar Appana Global Head of AWS Ecosystem Business Unit

19 January 2022

HCL Technologies (HCL), a leading global technology company, announced the appointment of Prabhakar Appana as Senior Vice President and the Global Head of its AWS Ecosystem Business Unit to further accelerate the company’s #HCLCloudSmart journey.

An industry veteran with about 23 years of experience in various leadership roles across geo sales, consulting, technology practices and program management, Prabhakar will drive HCL’s business growth and provide solutions and services to its global clients in reimagining their businesses for the digital age.

“As HCL continues to drive its strategy to be the digital partner of choice for global enterprises and reinforces its industry-leading portfolio of innovative cloud services, it is vital to strengthen our leadership team too,” said Kalyan Kumar, Chief Technology Officer and Head Ecosystems, HCL Technologies. “Prabhakar brings rich experience in the area of cloud transformation from advisory to implementation, digital transformation, new business development, leading strategic initiatives and building teams. We are thrilled to welcome him to our ecosystem leadership team.”

Prabhakar joins HCL Technologies from Accenture, with a successful track record building technology business for telcos, media, high-tech, and aerospace and defence industries and later in London driving and transforming the cloud business. He started his career in 1997 and held multiple leadership positions across various IT and technology companies. He has a reputation for his deep industry experience, technology enterprise digital transformation, cloud adoption, unwavering client focus and passion for continuous learning.

HCL’s recently launched dedicated AWS Ecosystem Business Unit will help enterprise clients modernize and migrate at scale, sustain cost advantages and focus on experimentation by combining HCL’s experience and expertise in building adaptive cloud smart portfolios, and AWS’s depth and breadth of services and rapid innovation.

“As we continue to witness rapid digitization and modernization across enterprise IT, 5G network, Industry 4.0, IoT, AI/ML and ISV ecosystem, the lines between industries are diminishing and rapid pace adoption is happening across cloud ecosystem platforms,” Prabhakar said. “It is for us to capitalize and bring fast-paced adoption to the client’s ecosystem. I’m excited to be part of this journey with HCL Technologies by bringing dedicated focus through AWS Ecosystem Business Unit to help clients in their digital and cloud transformation efforts and bolster leadership position in the cloud business.”

Hexagon launches disruptive open innovation start-up platform to accelerate technology commercialisation in global manufacturing industry

18 January 2022

Hexagon's Manufacturing Intelligence division, which provides engineering, production and quality technology and services to the world's biggest and most innovative manufacturing leaders around the world, from Audi to Boeing to Zimmer Biomet, has announced a revolutionary take on supporting start-ups.

The open innovation platform Sixth Sense will bring together start-ups and industry-leading companies to create transformative solutions that benefit everyone. It promotes sharing resources, data and ideas to fast-track progress and solve real-world problems which address some of humanity's greatest challenges, such as the journey to net zero. The challenge areas include Sustainability, Big Data, Machine Learning, Artificial Intelligence, Sensors and Robotics. Sixth Sense's first themed challenge – Artificial Intelligence (AI) for sustainable Smart Manufacturing – encompasses all these areas and is also accepting dedicated applications, with start-ups encouraged to register their interest for future themed challenges and events.

Parth Joshi, Chief Product and Technology Officer of Hexagon's Manufacturing Intelligence division, said: "We are searching for intelligent, efficient solutions that will not only enhance performance, but benefit people and the planet. Industry 4.0 is evolving and pushing to solve complex challenges, but the catch is that you cannot solve big problems without solving lots of little ones at each step with innovation."

The 10 most innovative proposals will be chosen for an intensive innovate-on-the-job scaling programme, supported by Hexagon, key clients and world-leading mentors. Three final concepts will be offered opportunities to globalise and scale their business as commercial joint ventures.

Milan Kocić, Head of Sixth Sense for Hexagon's Manufacturing Intelligence division, said: "Sixth Sense will build a bridge between small businesses and larger manufacturers; helping overcome start-ups' challenges with scaling, while simultaneously meeting the industry's need for new ideas."

The platform has already partnered with a number of promising young companies, and is founded on the principle that diversity is fundamental to innovation and establishing such a thriving open ecosystem.

The selection criteria for Sixth Sense include:

- \$1m or less in revenue
- 1-5 years in existence
- Post seed, Series A, Series A+
- Proven traction and product-market fit
- Propensity to scale

Preferred qualities:

- Validation of investment from third party
- IP & licenses

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Honeywell Appoints Rose Lee To Board Of Directors

18 January 2022

Honeywell announced that its board of directors has elected Rose Lee, 56, president and CEO of Cornerstone Building Brands, to its board of directors as an independent director.

Lee has extensive environmental, social and governance (ESG) experience and has served as president, chief executive officer, and a member of the board of directors of Cornerstone Building Brands since **September 2021**. Cornerstone Building Brands is a leading manufacturer of exterior building products in **North America**. Lee is also a member of the board of Crown Holdings, Inc., where she serves as the board's representative on sustainability.

Prior to joining Cornerstone Building Brands, Lee was president of DuPont's Water & Protection business where she focused on improving sustainability through the company's water, shelter, and safety solutions. Prior to joining DuPont in 2015, Lee spent 15 years with Saint-Gobain in a number of general management, strategic planning and information technology roles, each with increasing responsibility. Prior to joining Saint-Gobain, she held various engineering and management positions at Pratt & Whitney, a Raytheon Technologies company, where she worked on projects ranging from implementing lean manufacturing to designing a 3-D turbine for aircraft jet engines. She was also a senior consultant at Booz, Allen & Hamilton in New York City.

"Rose brings to Honeywell's board of directors a unique blend of leadership skills, deep knowledge of operations and technology, and a passion for environmental, social and governance (ESG) excellence," said Darius Adamczyk, chairman and chief executive officer of Honeywell. "Throughout her impressive career, Rose has led businesses that are making the world more sustainable, and she has been a strong advocate for inclusion and diversity, spearheading initiatives that have advanced women and veterans in the organizations she has led. Rose's perspective will be an invaluable addition to our board as we further advance Honeywell's transformation."

Lee earned her bachelor's degree in aerospace engineering from Cornell University, a master's degree in mechanical engineering from Rensselaer Polytechnic Institute and an MBA from Massachusetts Institute of Technology. She has served as a member of the Economic Advisory Council for the Federal Reserve Bank of Philadelphia and is a member of the Forum of Executive Women.

HP and VREX Accelerate BIM Collaboration in VR

14 January 2022

HP and VREX announced that they are entering a partnership to bundle the VREX collaboration SaaS application with the HP Reverb G2 Virtual Reality headset. Architecture, Engineering, and Construction teams around the world will now have a single point of contact for HP VR equipment when signing up for VREX. Customers will enjoy the benefits of HP's global delivery, service, and support network and have upgrade options for VR grade notebooks and workstations available.

VREX is excited to join forces with HP to help leading enterprises around the world accelerate through these times of travel restrictions where working from home has become the new standard. This requires better tools for working with 3D models, BIM, CAD, and point clouds.

At HP we believe Virtual reality will soon be an essential tool for business to become smarter and more efficient. Adoption hurdles are in the process of being solved: to scale VR into valuable and engaging tools companies still don't feel confident to innovate themselves and struggle to find the right content development partner to help them. This is why we partner with VREX to bring a turn-key solution, says

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Cecile Tezenas , VR business development manager at HP.

It's the ultimate use case, making 3D models more accessible and easier to understand with VR in a collaboration cloud service. Bundling award winning HP Reverb Gen2 and powerful workstations and the VREX service will remove many barriers to VR adoption and pave the way for other VR application areas, concludes Cecile Tezenas, VR business development manager at HP.

At VREX we saw that a major barrier our customers spent time on was sourcing and configuring the hardware needed to enjoy the full benefits of our VR collaboration platform. Our customers deserve the same global delivery, service and support on their hardware as they get from VREX on our SaaS, says Hans Johansen CEO at VREX. As we love the HP Reverb Gen2 headset, the best VR headset for business in my opinion, partnering with HP with its global capabilities is the perfect fit, concludes Hans Johansen CEO at VREX.

Lectra : strengthens its Executive Committee to accompany its growth

17 January 2022

A major global player in the fashion, automotive and furniture markets, Lectradesigns industrial intelligence solutions - software, equipment, data and services - for brands, manufacturers and retailers. Following an eventful year - with the acquisition of the American company Gerber Technology, its largest historical competitor, along with two companies that enrich its technological offer, Netevenand Gemini, and after strong growth in 2021 - the company is expanding its Executive Committee to achieve its new ambitions.

As of January 1, 2022, Lectra's Executive Committee has 16 members:

- Daniel Harari, Chief Executive Officer and Chairman of the Executive Committee since its creation in 2005.
- Jérôme Viala, Executive Vice President and Vice-Chairman of the Executive Committee since 2019, and a member since its creation.
- Maximilien Abadie, Chief Strategy Officer and member of the Executive Committee since 2019.
- Fabio Canali, President, Southern Europe & North Africa and member of the Executive Committee since 2019.
- Thierry Caye, Chief Technology Officer.
- Olivier du Chesnay, Chief Financial Officer and member of the Executive Committee since 2019.
- Céline Choussy, Chief Product Officer and member of the Executive Committee since 2016.
- Javier Garcia, President, Asia-Pacific and member of the Executive Committee since 2019.
- Karen Gibbs, Deputy Chief Financial Officer.
- Laurence Jacquot, Chief Customer Success Officer and member of the Executive Committee since 2019.
- Eric Lespinasse, Chief Industrial Officer.
- Leonard Marano, President, Americas.
- Holger Max-Lang, President, Northern & Eastern Europe, Middle East and member of the Executive Committee since 2019.

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- Maria Modrono, Chief Marketing and Communications Officer.
- Rani Rao, Chief People Officer.
- Edward Wang, Senior Vice President, Asia-Pacific.

The main objectives of the Executive Committee in 2022 are to complete the integration of Gerber Technology and Lectra teams, integrate the technologies of the different companies acquired, and develop synergies between the Group's various entities.

Announcing the composition of the new Executive Committee, Daniel Harari stated: "Lectra has demonstrated its resilience and potential for growth in a particularly challenging period, marked by a difficult health context and a fluctuating economic climate. We were able to complete several acquisitions, including that of our historical competitor, and to create a climate of trust among customers and employees alike, despite the lockdowns and restrictions that have disrupted the last two years. With this new Executive Committee and a team of 2,500 people, I am confident in our ability to seize the full potential ahead of us".

Scott Reese Named CEO of GE Digital

18 January 2022

GE announced the appointment of Scott Reese as Chief Executive Officer of GE Digital effective February 22, 2022. Reese succeeds Patrick Byrne who will continue at GE as Chief Executive Officer for the onshore wind business at GE Renewable Energy.

Reese joins GE from Autodesk (NASDAQ: ADSK) where he is executive vice president, product development and manufacturing solutions. He joined Autodesk in 2003 with the acquisition of VIA Development Corporation and has spent nearly two decades leading product and go-to-market initiatives across a wide range of industries, while driving aggressive growth with next-generation solutions for manufacturing. Reese also established Autodesk's cloud platform, products, operations, and cyber security practices.

Chief Executive Officer of GE's global energy business portfolio, Scott Strazik said, "GE Digital is a critical part of the new energy company planned to spin off from GE in 2024. I am thrilled to have Scott Reese join this mission with his track record of transforming software businesses and driving growth. His deep software industry experience makes him the ideal fit to partner with our customers and the GE Digital team to accelerate the energy transition."

Reese said, "I'm honored to take on this role and lead GE Digital's mission to accelerate digital transformations and drive decarbonization efforts with our customers around the world. With global scale and leading technology, GE Digital's growth potential is significant. I couldn't be more excited to work with the talented team at GE Digital and the new energy company to make that grand vision a meaningful reality."

Reese also serves on the board of The National Action Council for Minorities in Engineering, Inc. (NACME) and Model N, Inc. (NYSE: MODN), a leader in cloud-revenue management solutions.

Byrne said, "It's been my great privilege to build and work alongside the team at GE Digital. I'm so proud of the work we do in partnership with our customers across the world, accelerating the digital transformation of their operations. Scott Reese is stepping in to lead a passionate team at the forefront of the energy transition and I look forward to seeing GE Digital's impact for years to come."

TCS Becomes Title Sponsor and Technology Partner of Toronto Waterfront Marathon Through 2026

18 January 2022

Tata Consultancy Services (TCS) has partnered with Canada Running Series (CRS) to become the new title sponsor and official IT services and technology consulting partner of the Toronto Waterfront Marathon and Virtual Race through November 2026.

This news follows TCS' renewal of its title and technology sponsorship of the TCS New York City Marathon, as well as becoming the new title and technology sponsor of the TCS London Marathon this year.

Soumen Roy, Executive Director and Country Head, TCS Canada, said, *“Running a marathon makes you believe that you can accomplish anything. We can't wait to channel the spirit of building on belief by enhancing the Toronto Waterfront Marathon experience with innovative technology and trailblazing sustainability initiatives in our local communities.”*

TCS and CRS aim to modernize marathon running in Canada through a new official race app. It will offer a first-of-its-kind environmental impact calculator that will enable runners and spectators to track and offset their environmental impact. TCS will also work with CRS to create a hybrid and immersive race experience for all runners and spectators around the globe.

The official race app will offer unlimited tracking of both in-person and virtual runners on the same racecourse map and let spectators create digital cheer cards to share messages of encouragement on social media. Runners will be able to share a link to friends and family that automatically initiates the app download with them already selected to be tracked. In addition, the app will incorporate augmented reality features that became popular during the pandemic to support both in-person and virtual runners, along with offering surprise-and-delight experiences.

“We're excited to begin our partnership with TCS and join a family of global, leading-edge marathons,” said **Charlotte Brookes, Event Director of CRS & the Toronto Waterfront Marathon**. *“It's a unique opportunity to take our World Athletics Gold Label event to the next level and beyond, to greatly enhance the runner experience through innovative technology, to showcase athletic excellence, and to have a broader impact in building a healthy, caring, and sustainable Toronto. The new TCS Toronto Waterfront Marathon race app will be a symbol of our collaboration that will connect, sustain and inspire us all whether we are participating in-person or virtually, from anywhere around the globe.”*

TCS will also donate 32,000 person-hours toward helping the TCS Toronto Waterfront Marathon become the most sustainable race in Canada. CRS' goal is to achieve Evergreen Certification by 2022. When achieved, it will be the only race in Canada to attain this level of environmental certification from the Council of Responsible Sport.

Expanding on this commitment to technology and sustainability, TCS and CRS will be adding two new Charity Partners: Trans Canada Trail and Trees for Life Canada. Runners will have the opportunity to donate money towards Trans Canada Trails' new AccessNow partnership that is creating accessibility mapping across its more than 28,000 km of National Trails, or Trees for Life's tree planting projects along the TCS Toronto Waterfront Marathon racecourse.

“It is great news that the Toronto Waterfront Marathon will be greener next year,” said **David Piccini, Minister of the Environment, Conservation and Parks**. *“New tools will help participants to quantify and reduce their environmental impact while getting outside and enjoying the shores of Lake Ontario,*

and I commend TCS for their commitment to reducing the footprint of this flagship event.”

Registration for the 2022 TCS Toronto Waterfront Marathon will open January 25, 2022.

Upverter Education Joins Google for Education Initiative and Chromebook App Hub

12 January 2022

Altium LLC announced that Upverter Education has become an official Google for Education Partner and the first and only browser-based printed circuit board (PCB) design curriculum available on the Google Chromebook App Hub. Google for Education Partners are a select group of organizations recognized for their delivery of high-quality professional development to educators. Upverter Education is now among this select group of partners that provide progressive tools and technologies to more than 100 million students, teachers, and administrators worldwide.

Upverter Education, an Altium electronics design education initiative used worldwide in over 50 countries, guides students through the design, prototyping, and manufacturing of printed circuit boards.

“We’re excited that Upverter Education can now be accessed through the Google Chromebook App Hub, making Altium’s free electronics design curriculum and professional tools more accessible to the next generation of electronics designers worldwide,” said Rea Callender, Vice President of Altium Education. “As an official Google for Education Partner, we’ve included tools such as Google Single Sign On, Classroom Share, and Classroom Rostering that makes it that much easier for educators to teach electronics design.”

The award-winning educational program is designed by educators for both individual students and for high school and college STEM educators who are teaching electronics engineering. The modular approach of the program gives educators the flexibility to select units that enhance existing coursework, or to follow the entire six-week course.

Upverter Education covers everything from PCB design to robotics, enabling students to develop hardware engineering skills and design PCB layouts. The curriculum concludes with the delivery of students' hardware designs.

Event News

COMSOL Announces Event Series Introducing Version 6.0 of COMSOL Multiphysics®

19 January 2022

COMSOL, the maker of the COMSOL Multiphysics® simulation software, has opened registration for COMSOL Day: Version 6.0, a series of online events held around the world for the computer-aided engineering (CAE) market. Starting on January 27, there will be four events to introduce COMSOL Multiphysics version 6.0 to a global, multiphysics simulation community of innovators and managers in research and product development.

These events showcase how new simulation and collaboration tools introduced with COMSOL® version 6.0 will advance simulation-driven product development. Speakers from COMSOL will present major news and offer a closer look at new functionality in version 6.0, such as the Model Manager, a new simulation data management workspace in COMSOL Multiphysics.

"We are truly excited about the Model Manager," says Phil Kinnane, senior VP of sales at COMSOL. "It takes us and the CAE industry to the next level in integrating simulation in product development. When

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mentioning this new tool to some of our experienced, 'power users', they immediately recognized how important it will be for their current COMSOL Multiphysics simulation projects."

Sessions focusing on the Uncertainty Quantification Module will provide an introduction to using sensitivity analysis, reliability analysis, and uncertainty propagation in multiphysics simulations. Software updates for specific application areas are covered in separate, dedicated sessions, such as "Electromagnetics" and "Fluid Flow & Heat Transfer" to name two. Similarly, core functionality news are covered across several dedicated sessions, including "Summary of Major News", "Geometry and Meshing", and "Optimization".

"COMSOL Day attendees have the opportunity to interact with COMSOL engineers during live sessions and ask software developers and support engineers questions directly," says Lauren Sansone, marketing and events director at COMSOL. "The events bring a live stream of sessions throughout the day, and it is easy for attendees to choose if they want to participate in the entire program from start to finish or only attend specific sessions."

The COMSOL Day: Version 6.0 event dates are:

- January 27 (U.S.)
- February 3 (Sweden)
- February 9 (India)
- February 24 (China)

The countries listed indicate where daytime viewing is possible for each event, but participation from any region at any of the events is welcomed. Please note that the sessions hosted by the COMSOL offices in the U.S., Sweden, and India will be conducted in English, while the event hosted by the office in China will be in Chinese.

These events are open to all, and attendance is free of charge.

ITI- Join Us At Shipbuilding & Lifestyle Tech 4.0

21 January 2022

Leading global interoperability solution provider, International Technegroup Incorporated (ITI), is pleased to announce that it will be presenting at the Shipbuilding & Lifestyle Tech 4.0 conference on January 28, 2022. ITI will be presenting its' CAD model simplification solution, CADfix PPS, and exploring how to automate CAD simplification for shipbuilders.

Shipbuilding & Lifestyle Tech 4.0 is a virtual 2-day conference with over 250 industry attendees expected from over 80 companies across 20 nations, with 62 presentations focused on shipyards, ship owners, ship operators, and technology providers. This virtual event will occur on Friday 28 January and Friday 11 February 2022.

During Shipbuilding & Lifecycle Tech 4.0, experts will focus on the critical aspects of increasing research, collaboration, productivity, innovation, and efficiency, to support the development of capabilities. Presentations will focus on the technology of data-driven ship design, engineering, production, fleet management through-life support, and sustainable lifecycle requirements across the entire maritime chain. This virtual conference will emphasize digital design, engineering, information management, operational software, technical services, and data analysis. These all have an essential role in intelligent ship design; they enhance the design and build processes and complement the operational support and fleet management of vessels across their entire lifespan.

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ITI's Ben Baker will be presenting 'Automatic MCAD Simplification for Model Integration Across Ship Design' on the first day of the conference, exploring how automated model simplification processes can facilitate more effective equipment integration into the overall design layout, leading to cost savings and faster delivery times.

Manufacturing level detail MCAD models create bottlenecks in the ship design process; join Ben at 3:40 pm on the 28th to see how this causes problems for shipbuilders and how CADfix PPS can automate the MCAD simplification process.

Financial News

ANSYS TO RELEASE FOURTH QUARTER AND FY 2021 EARNINGS ON February 23, 2022

20 January 2022

ANSYS, Inc. announced that the Company expects to release its fourth quarter and FY 2021 earnings on Wednesday, February 23, 2022, after the market closes. The Company will hold a conference call conducted by Ajei Gopal, president and chief executive officer and Nicole Anasenes, chief financial officer and senior vice president of finance at **8:30 a.m. Eastern Time on Thursday, February 24, 2022** to discuss fourth quarter and 2021 results and future outlook.

CONFERENCE CALL INFORMATION:

What: Ansys Fourth Quarter and 2021 Earnings Conference Call

When: February 24, 2022 at **8:30 a.m. Eastern Time**

We encourage participants to pre-register for the conference call using the enclosed link. Callers who pre-register will be given a unique PIN to gain immediate access to the call, bypassing the live operator. Participants may pre-register any time, including up to and after the call start time. You will immediately receive an online confirmation, an email with the dial in number and a calendar invitation for the event.

You may register for the conference call by logging in through the investor section of our website at <https://investors.ansys.com> and clicking on Events & Presentations and click on the event or go to Quarterly Results under the Financials section and click on the Webcast link.

The following will be available on the corporate website <https://investors.ansys.com> at or prior to the time of the conference call: a link to the live audio webcast of the call as well as the earnings press release and earnings prepared remarks.

For those who do not have internet access or are unable to pre-register, simply join the call on the day of the event by dialing (855) 239-2942 (US) or (412) 542-4124 (CAN and INT'L). Ask the operator to join you into the Ansys Conference Call.

The call will be recorded with replay available within two hours after the call at <https://investors.ansys.com> or at (877) 344-7529 (US), (855) 669-9658 (toll-free Canada) or (412) 317-0088 (INT'L). Passcode: 10162011.

Honeywell To Release Fourth Quarter Financial Results And Announce 2022 Outlook During Its Investor Conference Call On Thursday, February 3

14 January 2022

Honeywell will issue its fourth quarter financial results and 2022 outlook before the opening of the Nasdaq Stock Market on Thursday, February 3. The company will also hold a conference call at 8:30 a.m. EST.

Conference Call Details

To participate on the conference call, please dial (301) 715-8592 approximately ten minutes before the 8:30 a.m. EST start. The meeting ID is 922 0876 1191. The password is 576684.

Presentation Materials / Webcast Details

A real-time audio webcast of the presentation can be accessed at <http://www.honeywell.com/investor>, where related materials will be posted prior to the presentation and a replay of the webcast will be available for 30 days following the presentation.

L&T Technology Services reports double-digit revenue growth in Q3FY22

18 January 2022

L&T Technology Services Limited, India's leading pure-play engineering services company, announced its results for the third quarter ended December 31, 2021.

Highlights for Q3FY22 include:

- Revenue at ₹16,875 million; growth of 20% YoY
- USD Revenue at \$225.1 million; growth of 18% YoY
- EBIT margin at 18.6%; up 340 bps YoY
- Net profit at ₹2,488 million; growth of 34% YoY
- Interim Dividend of ₹10 per share; Record date January 27, 2022

During the quarter, LTTS won a USD45 million deal and a total of 3 deals with TCv of USD10 million plus. Revenues from digital and leading-edge technologies stood at 56% during the quarter.

“We sustained our performance trajectory with sequential growth of 4.2% in constant currency led by strong demand across segments. The deal conversations and pipeline in our six big bets - Electric Autonomous & Connected Vehicle (EACV), 5G, Med-tech, AI & Digital Products, Digital Manufacturing and Sustainability – continues to see healthy improvement as our customers make steady progress on their long-term transformative journeys.

We are expanding our EACV global presence with the addition of an engineering R&D center in Krakow, Poland that will strengthen our strategic partnership with European and Global clients.

In line with our long-term growth prospects and strategy, we invested in hiring and onboarding a record 1,900 plus trainees leveraging our Global Engineering Academy that is focused on continuous training and upskilling. Despite the robust employee addition, we further improved our Operating margin to 18.6%, reflecting gains from investments in talent and innovation”, said **Amit Chadha, CEO & Managing Director, L&T Technology Services Limited.**

Patents

At the end of Q3FY22, the patents portfolio of L&T Technology Services stood at 816, out of which 578

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are co-authored with its customers and the rest are filed by LTTS.

Human Resources

At the end of Q3FY22, LTTS' employee strength stood at 20,118.

LTI constant currency revenues grow 9.2% QoQ and 30.1% YoY; Net profit up by 18.0% YoY

19 January 2022

Larsen & Toubro Infotech, a global technology consulting and digital solutions company, announced its Q3 FY22 results today.

In US Dollars:

- Revenue at USD 553.0 million; growth of 8.7% QoQ and 29.3% YoY
- Constant Currency Revenue growth of 9.2% QoQ and 30.1% YoY

In Indian Rupees:

- Revenue at INR 41,376 million; growth at 9.8% QoQ and 31.2% YoY
- Net Income at INR 6,125 million; growth of 11.0% QoQ and 18.0% YoY

“We are happy to report 9.2% QoQ revenue growth in constant currency. This is our best ever quarterly sequential growth since listing. Our ongoing revenue momentum sets us up to deliver our highest year-over-year growth as a publicly listed company. We continue to have incredible conversations with our customers on their digital transformation journeys.”

– Sanjay Jalona, Chief Executive Officer & Managing Director

Recent Deal Wins

- Selected by one of the largest global veterinary care practices and chain of North American pet clinics, a new logo, for a managed services deal involving cyber security and modernization of IT infrastructure including migration to cloud to gain operational efficiencies and transform clinic management and support
- Engaged by a Global Fortune 500 multinational pharma corporation to modernize and support its data platform ensuring speed and availability of real time data, scalability for future expansion and optimized cost
- Selected by a Global Fortune 500 company and a world-wide leader in beauty and cosmetics for implementing its HR Transformation plan. Based on Snowflake technology, the engagement aims to augment next-gen HR Analytics capabilities, one-stop-shop for data, real-time access and mobile friendly solutions
- Engaged by a Global Fortune 500 energy company to provide ‘Data Management as-a-Service’ for their Subsurface Platform ensuring efficient and seamless operations in a secure, cloud-based environment
- Selected by a North American utility company for cloud transformation across data, infrastructure, security and ERP systems to build resilient and scalable IT infrastructure
- A world leader in semiconductor solutions partnered with LTI to rollout SAP S/4HANA to one

CIMdata PLM Industry Summary

of their largest manufacturing sites to optimize business performance and improve business agility

- A financial services firm based in North America has selected LTI to build the necessary functionality to integrate, support and migrate record keeping system onto the Unitrax platform. This will ensure their distribution, support and operations efforts are streamlined onto a single platform as well as improve time-to-market for new product launches
- Engaged by an insurance carrier to set up core systems and to design, develop and support a digital platform enabling integration of applications with both external and internal systems
- Engaged by a global bank headquartered in Europe for digital transformation of its payment processing functionality in 12 countries from legacy systems ensuring scalability, ability to process higher volumes, streamlining and standardization
- LTI modernized the ERP platform and established a centralized and standardized e-commerce platform for a global mission critical flow control equipment manufacturer and has now been selected to manage applications to drive enhanced customer experience and revenue growth
- A large bank in Namibia has appointed LTI as its partner on its digital transformation journey. LTI will revamp the integration layer with microservices enabling the bank to become cloud-ready digital leader in its chosen geographies in Africa
- Selected to partner with one of the largest banks in the Middle East on their wealth management transformation using Temenos Wealth Management Suite ensuring best practices, efficiencies, right shoring and a scalable model for future expansion

Other Business Highlights

- LTI has partnered with Securonix and Snowflake to strengthen its cybersecurity offerings and prevent sensitive data from growing threats as enterprises migrate to cloud
- LTI wins Top Performing Partner Award at Red Hat India

PROS Holdings, Inc. Announces Updated Fourth Quarter and Full Year 2021 Guidance and Date of Fourth Quarter and Full Year 2021 Financial Results Release, Conference Call, and Webcast

13 January 2022

PROS®, a provider of SaaS solutions optimizing shopping and selling experiences, announced updated fourth quarter and full year 2021 guidance and the fourth quarter and full year 2021 financial results release date.

Fourth Quarter and Full Year 2021 Financial Outlook

PROS currently anticipates the following based on an estimated 44.4 million basic weighted average shares outstanding for the fourth quarter of 2021 and a 22% non-GAAP estimated tax rate for the fourth quarter and full year 2021. This updated guidance is inclusive of EveryMundo, which was acquired by PROS on November 30, 2021.

	Q4 2021 Guidance	v. Q4 2020 at Mid-Point	Full Year 2021 Guidance	v. Prior Year at Mid-Point
Total Revenue	\$64.0 to \$64.5	6%	\$250.4 to \$250.9	(1)%

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Subscription Revenue	\$46.0 to \$46.5	8%	\$177.0 to \$177.5	4%
ARR (Constant Currency) n/a		n/a	\$228.5 to \$229.0	9%
Non-GAAP Loss Per Share	\$(0.19) to \$(0.18)	\$(0.05)	n/a	n/a
Adjusted EBITDA	\$(7.7) to \$(7.2)	\$(3.3)	\$(26.1) to \$(25.6)	\$1.7
Free Cash Flow	n/a	n/a	\$(22.0) to \$(21.0)	\$31.8

Fourth Quarter and Full Year 2021 Release Date

PROS will release its financial results for the fourth quarter and full year ended December 31, 2021 after the U.S. financial markets close on Thursday, February 10, 2022.

PROS will host a conference call on Thursday, February 10, 2022 at 4:45 p.m. EST to discuss the company's financial results and business outlook. To access this call, dial 1-877-407-9039 (toll-free) or 1-201-689-8470.

The live and archived webcasts of this call can be accessed under the "Investor Relations" section of the Company's website. A telephone replay will be available until Thursday February 24, 2022, 11:59 PM EST at 1-844-512-2921 (toll-free) or 1-412-317-6671 using the pass code 13725919.

Sandvik- Interim report fourth quarter 2021

20 January 2022

Fourth quarter 2021

Continuing operations

- Order intake SEK 30,902 million (22,051)
- Organic growth 23%
- Total order intake growth, at fixed exchange rates 36%
- Revenues SEK 29,128 million (22,408)
- Organic growth 14%
- Total revenue growth, at fixed exchange rates 26%
- Adjusted EBITA SEK 5,354 million (4,602)
- Adjusted EBITA margin 18.4% (20.5)
- EBIT SEK 5,163 million (3,487)
- EBIT margin 17.7% (15.6)
- Adjusted EBIT SEK 5,106 million (4,505)

- Adjusted EBIT margin 17.5% (20.1)
- Adjusted profit before tax SEK 5,214 million (4,424)
- Profit for the period SEK 3,870 million (2,633)
- Adjusted profit for the period SEK 3,841 million (3,358)
- Earnings per share, diluted SEK 3.07 (2.10)
- Adjusted earnings per share, diluted SEK 3.05 (2.67)
- Free operating cash flow SEK 4,604 million (5,941)
- Proposed dividend per share 4.75 SEK (4.50 +2.00)

Additional information may be obtained from Sandvik Investor Relations, phone +46 70 782 63 74 (Louise Tjeder).

A webcast and conference call will be held on January 20, 2022 at 10:00 AM CET. Information is available at home.sandvik/investors

Implementation Investments

Cadence Palladium Z2 Enterprise Emulation Platform Accelerates Microchip's Data Center Solutions SoC Development

19 January 2022

Cadence Design Systems, Inc. announced that Microchip has deployed the Cadence® Palladium® Z2 Enterprise Emulation Platform for the development of their next generation ASIC products targeting high performance and scalable SoC solutions for data centers. The Palladium Z2 platform provided Microchip with 2X better emulation capacity, enabling more simultaneous users and 1.5X greater performance gains versus the previous generation emulator while maintaining full compatibility with existing emulation setups and use models.

The Palladium Z2 platform provides an early model of the ASIC for Microchip's software and firmware development teams, which is essential to meeting their goal of successful first-pass silicon and software integration. Leveraging the congruency of the Palladium and Cadence Protium™ Enterprise Prototyping databases, Microchip saved several weeks of FPGA prototyping bring-up and hardware and software integration debugging time. In addition to providing the same RTL databases, the Palladium and Protium dynamic duo offers design environments that share the same in-circuit and virtual interfaces, making the debug process completely seamless and transparent to software and hardware engineers.

“At Microchip, we develop highly complex and secure SOC solutions for leading cloud data center providers that require robust verification platforms that can easily handle our multi-chip systems,” said Riad Ben-Mouhoub, senior technical staff engineer at Microchip. “The common compile flow offered by the Palladium and Protium dynamic duo, combined with unified peripherals, allows us to distribute verification workloads freely between the two platforms. With the new Palladium Z2 platform, the 2X higher gate capacity and 1.5X faster runtime performance allowed us to implement our largest multi-chip systems efficiently to meet our challenging time-to-market and quality requirements. Our migration from the Palladium Z1 platform to the Palladium Z2 platform was extremely smooth and only required a recompilation of our current databases.”

The Palladium Z2 Enterprise Emulation Platform and Protium X2 Enterprise Prototyping system are part of the Cadence verification full flow and support the company's Intelligent System

Design™ strategy. The Cadence verification full flow is comprised of core engines and verification fabric technologies that increase verification throughput and design quality, fulfilling verification requirements for a wide variety of applications and vertical segments.

Capgemini implements Salesforce CRM platform across 22 countries for Scandinavian medical device company, Atos Medical

18 January 2022

Capgemini has rolled out a global Salesforce platform for Sweden-based Atos Medical, which will ensure enhanced sales processes and a scalable digital infrastructure. With this investment in a new global Salesforce solution, Atos Medical will now have a 360-degree overview of patients and a significantly enhanced platform for running a patient-focused business, helping it to meet its global growth ambitions.

Headquartered in Malmö, Atos Medical is a world leader in neck stoma care today. The company is experiencing strong growth both in Scandinavia and in international markets. There was a need in the organization for a unified and scalable digital platform that would provide an enhanced customer experience to its end-users all over the world in a cost-effective way. This investment in a new digital infrastructure will drive customer centricity and help Atos Medical align with the latest industry trends, thereby driving growth.

Henrik Helmer Hansen, Vice President Strategy & Commercial Excellence at Atos Medical said, *“This is the most comprehensive digital investment we have ever made. It is part of a clear strategy to perform based on a fully digital setup that can easily be scaled across markets, allowing us to manage our expansion into new markets better than before. With the automation facilitated by the Salesforce solution, we can deliver our products to customers faster. In this way, the platform directly supports our foundation, which is based on close and long-term relationships with clinicians and end-users. We can now more effectively support a growing number of patients and actively incorporate their experiences into our product development.”*

John Fodeh, Director of Life Sciences and MedTech at Capgemini in Denmark said, *“This collaboration is a great example of how Capgemini is able to offer the full benefit of our global capabilities to partners and clients. Our deep-rooted expertise in digital customer experience meant that our team could successfully achieve sustainable and scalable value for Atos Medical through this international roll-out of a digital infrastructure.”*

During the tenure of the project, Capgemini’s team in Denmark has been supported by its broad global competencies which was crucial for the smooth and on-time roll-out of the project during the pandemic. Atos Medical’s new platform has already been rolled out in 22 of a total of 25 countries. The remaining countries will be connected within 2022.

Faurecia Streamlines International Procurement Process with OpenText

19 January 2022

OpenText™ announced, Faurecia, a global leader in automotive interiors and emission control technology, implemented OpenText™ Vendor Invoice Management (VIM) for SAP® Solutions to manage and access high volumes of information and drive efficiency of procurement operations.

Headquartered in France, Faurecia operates more than 300 sites in 35 countries, with close to 115,000 employees worldwide. The company develops automotive technology to advance safe, personalized

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transportation that is environmentally responsible. Faurecia needed a solution to enhance and standardize key points of its financial process and implemented OpenText Vendor Invoice Management for SAP Solutions.

“The pandemic was a challenge for everybody, and we could not imagine maintaining our accounts payable without implementing OpenText Vendor Invoice Management. For us, this solution was key to our business continuity,” said Salomé Silva, Accounts Payable Team Leader and SAP Business Analyst at Faurecia. “We streamlined our document-centric processes, increased cash visibility, strengthened cross-collaboration, and we’re now well equipped to respond efficiently during the pandemic and beyond.”

OpenText Vendor Invoice Management for SAP Solutions streamlines procure-to-pay and order-to-cash operations for SAP customers. By optimizing the process of receiving, managing, monitoring, and routing all invoices, quotations, order confirmations, delivery notes, sales orders, remittance advices and related documentation, Faurecia has successfully digitized 80% of its 2 million annual pieces of financial operations information.

“Many companies were forced to examine their business processes when the pandemic struck,” said Muhi Majzoub, Chief Product Officer at OpenText. “With the implementation of OpenText Vendor Invoice Management, Faurecia is now able to take advantage of a solution that helps them ensure consistent, accurate, timely and compliant financial payments to all their vendors worldwide.

Digital transformation amplified Faurecia’s capacity to manage, access, and use information globally. By connecting information to people, applications, and systems, when and where it is needed, the company continues to reduce manual requirements, enhance collaboration, drive efficiency, and achieve results.

From Distribution to Retail Fulfillment, the Footwear Industry Is Turning to Tecsys to Gain Its Supply Chain Advantage

17 January 2022

Tecsys Inc., an industry-leading supply chain management software company, is pleased to announce its growing leadership position in the footwear industry across its Omni™ and Elite™ software platforms and its capacity to meet the specific requirements involved in omnichannel distribution and retail processes as they shift to hybrid retail models.

The Tecsys platform serves as the central supply chain execution cog in several footwear organizations across retail, distribution and DTC markets, orchestrating logistics activities across channels and optimizing complex inventory management and fulfillment processes while upholding streamlined customer experiences.

The footwear industry is particularly suitable to network-wide virtualized inventory and dynamic fulfillment because of the complexity involved in inventory management that results from the intersection of size variations and seasonality. Factoring in half-sizes, consider the number of SKUs for one pair of shoes in sizes 7 to 13, and in three colors, black, brown and tan; that is 39 unique products with unique demand levels for each pair.

Tecsys’ distributed order management system, Omni™ OMS, enables footwear retailers and direct-to-consumer brands to carry distributed inventory across fulfillment locations, eliminating the need to stock products with the lowest demand at every site. This allows for more strategic inventory management that provides reasonable access to SKUs while forward positioning the fastest moving SKUs. The Elite™ product line enables enterprise-level complex and converging markets to operate world-class

CIMdata PLM Industry Summary

warehousing, delivery and fulfillment operations in order to gain control over customers' service levels, throughput volumes, order turnaround times, as well as warehousing costs, growth and profitability.

“It is no surprise that footwear companies are investing in this kind of technology because they have historically been hit pretty hard with end-of-line challenges where sizes or colors known to be less popular are stockpiled because they wanted to make sure that outlier customers are still accommodated. Tecsys software is a pragmatic solution to that problem,” says Guy Courtin, vice president and industry principal for Retail at Tecsys. “By allocating product according to demand and virtualizing slower moving inventory while reducing buffers, retailers are able to satisfy consumer expectations without swallowing enormous losses at the end of every season – all the while hedging against customer disappointment because their size is unavailable online or at a certain store.”

One such example is Aetrex Worldwide Inc., one of the fastest growing companies in the footwear industry and widely recognized as the global leader in comfort and wellness footwear products. Tecsys' Elite™ WMS has enabled Aetrex to grow rapidly and achieve its strategic sales and customer services goals, such as increased volume by 80% without additional staff, increased inventory accuracy by 70% and reduced cost by 24%.

“[Tecsys] has enabled us to grow at a very aggressive rate, and without it we would have not been able to achieve our strategic sales and customer service goals, says John Mattessich, director of distribution at Aetrex Worldwide Inc. “We went from paper-based to RF technology in a VERY short period of time; this leap has enabled us to increase our productivity, our volume and be able to manage our distribution and sales commitments, with a minimal increase in staff.”

Staying at the forefront of unified commerce is a strategic imperative for Tecsys customer Red Wing Shoes. The company's brands are distributed to more than 110 countries in an immersive multichannel environment of 525+ Red Wing retail stores, third-party partners, and owned e-commerce platforms.

“We turned to Tecsys to help us modernize our omnichannel infrastructure, and the results have been very positive,” says Dennis Keane, CIO at Red Wing Shoes. “From selection through to implementation and execution, the Tecsys team helped us chart a course for more resilient and more profitable retail fulfillment operations. Not only does the Tecsys platform enable us to fulfill orders more economically through consolidation and dynamic routing, but we are also able to cater to a new segment of digital consumer by providing more channels, more flexibility, and better access to inventory. We are agile in our online order fulfillment capabilities, and we know that we are in good hands with the team at Tecsys.”

Richard Sejean, director of e-commerce at Browns Shoes, North America's leading independent footwear chain, adds, “This implementation will enable us to stay at the forefront of omnichannel retail for years to come [and] ensures that we are able to provide our shoppers with exceptional experiences regardless of how they choose to shop with us.”

HCL Expands Digital Transformation Partnership with ams Osram

20 January 2022

HCL Technologies (HCL), a leading global technology company, has expanded its strategic transformation partnership with ams OSRAM to digitize one of the optical solutions leader's key business processes and drive enterprise resource planning and customer relationship management systems standardization across the organization. HCL will also continue to lead IT infrastructure operations integration for the client.

The partnership will enable greater maturity in ams OSRAM's digital execution capabilities and drive

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global IT operations excellence by increasing agility and scalability to accelerate innovation. To enable this, HCL will develop and operate a modern digital foundation through data center, hybrid cloud and network transformation. It will also enhance the end-user experience through increased use of AI, automation and self-service capabilities, IT service management, process modernization, and service integration and management.

ams OSRAM's post-merger mission is to become the uncontested leader in optical solutions by fostering innovation through intelligent technology that enables customers in the consumer durables, mobility, industrial, and healthcare sectors. HCL's extensive capabilities in managing complex, hybrid technology environments and its proven FENIX 2.0 digital engineering and execution framework made it ideally suited to accelerate ams OSRAM's digital transformation roadmap.

"Our business is all about keeping our customers at the forefront of innovation, so it is critical we have the same transformational approach to our own operations," said Dr. Marcus Harrich, Chief Information Officer, ams OSRAM. "We need to continually and rapidly bring new products and services to market and deliver the interconnected digital journeys our customers expect. HCL has demonstrated precise business consulting capabilities, knowledge of key processes in the semiconductor and high-tech manufacturing industry and expertise in delivering a complex transformation."

"Our extended partnership with ams OSRAM creates an exciting opportunity to build on HCL's existing successes in Germany and the wider DACH region," said Frank Fehler, Senior Vice President, HCL Technologies. "The decision to enhance our existing engagement with this additional scope also demonstrates the immense trust and lasting relationship we have established with ams OSRAM over the last two years to drive digital transformation together."

Honeywell And Freyr Collaborate To Deploy Energy Storage Solutions Via Next-Generation Battery Cells

19 January 2022

Honeywell and FREYR Battery announced they have signed an agreement pursuant to which FREYR will, subject to viability, leverage Honeywell's leading technology offerings, including integrated automation, field instrumentation and security integration solutions in their manufacturing process. As part of the collaboration, Honeywell will purchase 19 GWh of battery cells produced by FREYR from 2023 through 2030 for a multitude of energy storage systems applications.

Through the agreement, Honeywell and FREYR intend to provide smart energy storage solutions to address the needs of a wide range of commercial and industrial customers alike. Subject to viability, FREYR will leverage Honeywell's broad automation and software expertise including automation systems, quality assurance and controls, and industrial software to provide manufacturing capacity at scale in Europe and the U.S.

The battery cells produced through this project can be utilized by "behind-the-meter" or industrial locations, as well as "front-of-the-meter" locations like large solar and wind renewable power generation sites.

"Battery storage will play a crucial role as organizations transition to clean power generation," said Tom Einar Jensen, FREYR's Chief Executive Officer. "Honeywell is an ideal partner with world class teams, technology and industrial expertise and our shared commitment to decarbonizing the global energy systems sector will serve as the foundation for our continued work together. Today's announcement is also an important milestone as we advance to a potential H1 2022 Final Investment Decision ("FID") on our first Gigafactory in Mo i Rana, Norway."

CIMdata PLM Industry Summary

Battery Energy Storage Systems (BESS) technology development is vital to the continued decarbonization of global power systems. According to a recently published research report by Stanford University, the U.S. power grid could reach 100% renewable power penetration by 2050. This new cost competitive electricity mix would rely largely on solar, wind and hydro development as well as energy storage technology. According to the study, BESS would spearhead this trend and could reach total installed capacity of 15,700 GWh by 2050.

"Introducing decarbonized storage solutions at scale across multiple geographic markets is vital to our continued sustainability efforts and in turn, helps to make renewable energy accessible and efficient," said Ujjwal Kumar, President & CEO, Honeywell Process Solutions. "This collaboration will pair FREYR's next-generation battery solutions with Honeywell's 20 years of lithium-ion battery industry know-how and established routes to markets and customers."

Honeywell has committed to achieve carbon neutrality in its operations and facilities by 2035. The work Honeywell is doing with FREYR builds on the company's track record of sharply reducing the greenhouse gas intensity of its operations and facilities as well as its decades-long history of innovation to help its customers meet their environmental and social goals. About half of Honeywell's new product introduction research and development investment is directed toward products that improve environmental and social outcomes for customers.

L&T Technology Services wins USD45 million EV deal from U.S. Auto Tier-1

18 January 2022

Under the terms of the 5-year agreement, LTTS will work with the customer to deliver solutions leveraging its e-mobility technology competence. Notably, this will be delivered from LTTS' ER&D center in Krakow, Poland.

LTTS plans to have over 300 engineers working from its Krakow, Poland center in the next 3 years, marking its expansion into Eastern Europe.

Amit Chadha, CEO & Managing Director, L&T Technology Services said, *"We have been investing in Electric, Autonomous and Connected Vehicle (EACV) as part of our 6 big bets and our engineers have developed several new scalable e-mobility solutions that can accelerate global automotive players' EV development journey."*

This landmark deal reinforces that our strategic investment is paying off and establishes LTTS' dominant position in the EACV landscape. The Krakow R&D center will serve as a nearshore center to Western European and North American clientele across verticals."

Over the past year, LTTS has been recognized for its proficiency in the EACV space by global analysts. LTTS has been recognized as a Leader in Everest Group's Autonomous, Connected, Electric & Shared Mobility Automotive Engineering study. Zinnov Zones ER&D Services Report rated LTTS as a Leader in Telematics and ADAS as well as an overall Leader in the Automotive vertical. ISG Group also rated LTTS as a Leader in Smart Manufacturing Services for Automotive domain.

Lockheed Martin Space selects VOLTA for its Total System Model framework

20 January 2022

Lockheed Martin Space has selected our VOLTA SPDM platform as the integrated analysis tool for its Total System Model (TSM) framework, as part of its overall digital engineering transformation.

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VOLTA is a server-based, innovative enterprise platform for Simulation Process and Data Management (SPDM) and design optimization. Its advanced data management and **collaboration capabilities** will play a vital role in supporting **Lockheed Martin Space’s initiative for an integrated digital tool ecosystem**.

Their TSM framework is coming into place to support the company’s product development efforts and accelerate the delivery of engineering artifacts. This “ecosystem” is composed of a mix of heritage tools – proprietary internal and COTS – and new capability to fulfill their digitally-connected vision. **The TSM will be the single source of truth for design information** in which model data are available and integrated across disciplines. This enables **continuous design evolution and synchronization** while model data drives the delivery of engineering scope across the full program life cycle.

Modern and secure, VOLTA was chosen as the **platform that weaves together the digital models, operational procedures, and engineering practices** that create an integrated digital thread.

“We are very proud that Lockheed Martin Space has selected VOLTA for its Total System Model initiative,” said Roel Van De Velde, Vice President of Aerospace and Defense for ESTECO. “Digital Engineering transformations can only be successful if **all stakeholders are part of that transformation**, and have an easy-to-use framework at their disposal that will **democratize capabilities that used to be in the hands of a few experts**. VOLTA’s modern web interface allows for real time collaboration on integrated analysis and multidisciplinary design optimization. Through its tiered access, it’s **easy to version control, share and re-use data across teams or between individuals**. We are looking forward to supporting Lockheed Martin Space in their Digital Engineering transformation journey.”

MECCA to Streamline Compliance with Centric PLM™

17 January 2022

Australasia’s leading beauty retailer, MECCA, has selected Centric Software’s Product Lifecycle Management (PLM) solution. Centric Software provides the most innovative enterprise solutions to plan, design, develop, source and sell products such as apparel, footwear, sporting goods, furniture, home décor, cosmetics, food & beverage and luxury to achieve strategic and operational digital transformation goals.

Founded more than 20 years ago, MECCA has redefined the Australian and New Zealand beauty landscape, offering from around 200 brands including signature lines MECCA Cosmetics and MECCA MAX. The products on offer include cosmetics, skin care, hair care, fragrance and body care, as well as accessories, both in-store and online in Australia and New Zealand, and via their TMALL store in China.

With rapid growth in the beauty and wellness market, constantly changing consumer trends and the expansion of product portfolios, MECCA saw a need to enhance and improve automation for existing processes involving compliance and traceability. Seeking a solution with an integrated quality management system to streamline processes and centralize ingredient, product claims and certification data in a secure environment, MECCA chose to implement Centric PLM for Cosmetics and Personal Care.

“We’re operating in such a high pace environment that it’s important we can rely on our back-end systems, like Centric PLM, to help set our business up to meet our customers’ needs today and well into the future. Centric PLM will provide us with a comprehensive end-to-end solution to help us handle large volumes of product launches, while making sure we meet strict compliance regulations,” said

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David Cumberland, Head of Finance at MECCA.

With Centric PLM, MECCA aims to streamline regulatory compliance for products and their raw materials, systematize processes around labelling and the verification of product claims, and automate the collation and storage of certifications.

“We are very happy to welcome MECCA on board,” says Chris Groves, President and CEO of Centric Software. “MECCA recognizes the strength of Centric’s single, actionable source of truth approach, particularly for managing compliance, and we are looking forward to working with MECCA to expand the scope of PLM across their business in the long-term.”

Newgen, Tech Mahindra in Deal with UK-based Premium Credit (PCL) to Automate Premium Finance Process

20 January 2022

Newgen Software announced that Premium Credit Limited, the leading provider of premium finance in the UK and Ireland, has selected Newgen’s automation platform to enhance their premium finance process for business insurance customers. The implementation will be done in collaboration with Tech Mahindra. Leveraging Newgen’s Loan Origination Solution, configured on its leading low code digital transformation platform (iBPS™), Premium Credit is looking to further automate its end-to-end premium finance process. The low code platform will provide them with the required scalability to rapidly and efficiently originate, process, disburse, and monitor loans.

Jinender Jain, Senior VP & Sales Head, UK&I at Tech Mahindra, said “We have been actively collaborating with Newgen Software on this project. Being an adaptable, digital enterprise is the way forward for businesses of the future. Tech Mahindra has been at the forefront spearheading digital transformation with low-code no-code capabilities. This strategic partnership will support Premium Credit enhance their processes and digital customer experience.”

Ouellet Partners with BIMsmith to Launch New BIM Tools for Architects and Designers

13 January 2022

Ouellet Canada Inc., an international manufacturer and distributor of electric heating products, has announced a partnership with BIMsmith, the leading product research platform for building professionals, for the development of new Building Information Modeling (BIM) tools for architects, engineers, and other construction professionals.

The partnership involves the creation of data-rich digital models of Ouellet products that integrate seamlessly with BIM design workflows used by building professionals globally. Each product model contains key data to represent geometric, electrical, and performance capabilities of each product, streamlining design workflows and providing building professionals with key data early in the design process. Each product model is designed to integrate natively with Autodesk Revit, the leading architectural design software worldwide.

The partnership also involves the publishing of Ouellet products on BIMsmith Market, the leading cloud platform used by architects and engineers to conduct building product research, placing Ouellet in front of a global audience of building design professionals.

“For more than half a century, Ouellet has prioritized the continued success of its customers and stakeholders wherever possible,” said Owen Suchar, US National Sales Manager at Ouellet. “Our new

CIMdata PLM Industry Summary

BIM tools are yet another way that we can support not just architects and engineers, but every contributor throughout the entire building design process.”

“Ouellet provides architects and other building professionals with a tremendous depth of product and industry expertise,” said Benjamin Glunz, CEO at BIMsmith. “We are excited to partner with Ouellet to help expand their support of architecture and engineering professionals everywhere.”

PTC Announces Servigistics Expansion with the U.S. Air Force

18 January 2022

PTC announced that the United States Air Force (USAF) is expanding its use of PTC's Servigistics® Service Parts Management SaaS solution for its supply chain modernization program, ESCAPE. The expansion is a five-year definitive contract consisting of a one-year base period and four one-year options that are worth up to \$95 million if all options are exercised.

U.S. Air Force photo by Joshua J. Seybert (Airmen assigned to the 911th Aircraft Maintenance Squadron perform a pre-flight inspection on a C-17 Globemaster III at the Pittsburgh International Airport Air Reserve Station, Pa., March 3, 2020. Pre-flight inspections are performed on aircraft before every flight to ensure mission and operational readiness.)More

U.S. Air Force expands use of PTC's Servigistics Service Parts Management SaaS solution.

The USAF's Sustainment Center's 448th Supply Chain Management Wing is responsible for the ESCAPE – *Enterprise Supply Chain Analysis, Planning, and Execution* – program and is made up of 3,000 personnel supporting the USAF's global readiness.

The USAF is leveraging Servigistics as the sole-source provider to plan and optimize its \$76 billion service parts supply chain tuned to asset availability. This expansion builds on the success of prior years' Servigistics deployments and enables the USAF to adopt additional functionality, phase out legacy systems, consolidate IT costs, and further improve readiness.

"Our principal objective is maximizing the readiness of assets and equipment," said Abigail Strobell, Program Manager with the Air Force Materiel Command at the Department of Defense. "It is an immense and complex challenge. PTC's Servigistics solution gives us confidence from a proven track record of success and powerful capabilities that will enable us to optimize our service parts supply chain."

Servigistics supports ESCAPE's effort to modernize planning and forecasting, increase aircraft availability and improve mission support functions while investing taxpayer funding in optimal parts inventory. The ESCAPE effort supports business process and systems re-engineering efforts with fully deployed future state environment functionality and capability.

"The U.S. Air Force has one of the most sophisticated and complex service parts supply chain operations in the world," said Leslie Paulson, General Manager, Servigistics Business Unit, PTC. "By embracing digital solutions like Servigistics, the USAF is transforming its service parts supply chain to optimize planning and logistics with its OEM network and strengthening the digital thread."

Added PTC President and CEO Jim Heppelmann: "PTC is proud to continue supporting the USAF's digital transformation and modernization efforts to better ensure the readiness of assets and equipment."

For federal, aerospace, and defense organizations, Servigistics surpasses the most stringent standards and rigorous vetting processes and is deployed within the USAF, Coast Guard, and with OEMs, including Boeing, Lockheed Martin, Northrop Grumman, and others.

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Rapha Racing Selects Centric PLM™ to Shave 30% off Product Development Time

18 January 2022

Rapha Racing, a leading high-performance cycling clothing brand has selected Centric Software's Product Lifecycle Management (PLM) solution. Centric Software provides the most innovative enterprise solutions to plan, design, develop, source and sell products such as apparel, footwear, sporting goods, furniture, home décor, cosmetics, food & beverage, and luxury to achieve strategic and operational digital transformation goals.

Founded in 2004 by Simon Mottram to address a growing need for stylish, high-performance cycling clothing, Rapha has been pushing the boundaries of innovation and cycle wear ever since. The Rapha name is synonymous with comfort, performance and style.

Rapha has cultivated a global community of passionate riders who come together under the flagship Rapha Cycling Club (RCC), which includes more than 20,000 members worldwide and 21 Clubhouses across Europe, North America and Asia.

Rapha's unrelenting commitment to exceptional product quality and customer experience drives them to look for ways to do things better. Because their products are highly complex and technical, with varied BOMs (bills of materials) and components, the need for product development efficiencies led them down the digital transformation path.

"We were struggling to establish a single source of truth across product creation, and we had disconnected systems creating a high level of manual process," says Miriam Lock, Head of Product Engineering at Rapha Racing. "This was exposing us to human error and duplication of work."

In early 2021, Rapha published new impact commitments related to their supply chain and product creation process. They also needed a solution to support their social and environmental impacts, while ensuring exacting standard in product design and quality.

"Much of sustainability comes back to the adage 'you can only manage what you measure,' so we also needed a consistent way to capture data at the most granular level," shares Lock.

Rapha conducted a careful benchmarking process to find the digital transformation solution that could support their product development goals, help them deliver the right product information to their customers and drive high quality engagement with the brand.

Centric PLM came out as the winning digital solution for a few reasons according to Rapha. Team members preferred the interface and user experience and Centric's deep expertise in the fashion and retail industry and the collaborative approach during the sales process gave Rapha confidence in the solution.

"Centric brings best-in-class solutions and encourages an open dialogue with their customers for future system enhancements," says Alice Marmion, Supply Chain Director at Rapha. "This will make Rapha a stakeholder in their future direction and shows their collaborative approach, which is closely aligned with our values."

"Centric PLM is going to help us streamline our processes and improve overall efficiencies as well as support product innovation," says Marmion. "Once Centric PLM is implemented, we expect to see an average time saving of 30%. This will free teams to invest more time into new product innovations, customer relationships, strategic projects and reaching our impact commitments."

Rapha also plans to roll out Centric PLM with their suppliers. "Ultimately, we plan for 100% of our tier one and tier two partners to be integrated so that both sides can have access to information in real time,"

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explains Lock. “This will greatly improve our communication, bring efficiency and clarity, and ultimately help us work more strategically and collaboratively.”

“We are thrilled that Rapha Racing has chosen Centric Software as a partner in their digital transformation journey,” says Chris Groves, President and CEO of Centric Software. “We are proud to work with customers committed to creating the highest quality products, fostering community and achieving sustainable business practices.”

Scott Bader Standardises with Infor for Global Cloud Upgrade

18 January 2022

Infor, the industry cloud company, announced that Scott Bader, the global chemical company, has selected Infor CloudSuite Chemicals. Delivered by Infor Consulting Services via a multi-tenant cloud deployment, Infor CloudSuite Chemicals, including the Infor OS platform, will replace an existing Infor M3 ERP solution. This initial, six-year agreement will help enable Scott Bader to standardise and harmonise a variety of core business functions for 380 users throughout North America, Canada, Europe, Japan, the Middle East, Australia and South Africa.

Established in 1921, Scott Bader became the first employee-owned UK company during 1951. Now it employs almost 750 people across 7 manufacturing sites and 17 offices globally. Drawing on a century of tradition, it is a leader in the manufacturing of products for the composites, structural adhesives and functional polymer markets, offering a range of technologies and manufacturing capabilities for multiple market sectors.

Following a thorough review of the market including customer references, Scott Bader chose Infor due to its commitment to cloud, the chemical industry vertical and the planning and production scheduling functionality of Infor CloudSuite Chemicals. As there are plans for third-party software integrations in the future, the superior integration capabilities of the Infor OS cloud operating platform were also a key factor in Scott Bader’s decision.

Scott Bader chose a multi-tenant cloud deployment running on Amazon Web Services (AWS) to ensure the business can benefit from continual updates whilst maintaining a standardised software with minimal customisations.

The initial phase of the deployment, set to be completed during 2022, will help establish and roll out a set of standardised process templates across Scott Bader globally. This will enable Scott Bader to undertake faster, more accurate reporting across the company, improving decision-making and agility.

“Seven strategic goals drive Scott Bader,” said Mike Findlay-Wilson, Group CIO at Scott Bader. “These include striving for excellence, developing excellent partnerships with customers and suppliers, protecting our environment and going beyond the demands of compliance. To achieve these goals, our business demands the best processes and an ability to stay continually up to date with the supporting technologies. Therefore, we have chosen to move to the cloud with Infor.”

“Chemicals leaders such as Scott Bader recognise the benefits of our industry-specific functionality in combination with the improvements that deployment in the cloud brings,” said Anwen Robinson, Infor general manager and senior vice-president for UK & Ireland. “This transition to Infor CloudSuite Chemicals is the latest stage in our relationship that will help deliver better planning, scheduling and processes to keep Scott Bader at the forefront of a demanding global market.”

Xerox Selects Oracle Cloud to Launch New Businesses Focused on Solving Complex Problems at Scale

18 January 2022

Oracle announced that Xerox, a company continually redefining the workplace experience, selected Oracle Cloud to support the launch of new businesses aiming to solve some of the world's most pressing problems at massive scale. With Oracle Cloud solutions, Xerox is bringing new technologies to market focused on 3D printing for manufacturing, structural health monitoring for critical infrastructure, and augmented reality to improve customer support.

Xerox has been a leader in office and production print technology for more than 100 years. As part of its strategy to address pressing societal issues, Xerox decided to expand its business portfolio by creating new and innovative businesses based on disruptive technologies. However, with its existing IT technology, Xerox had to spend more time than desired to implement the systems needed to support a new business.

“Our vision is to launch breakaway businesses powered by breakthrough technologies as quickly as possible so that we can work to solve these problems facing our planet and society. In order to do that, we needed a unified cloud platform across the entire business,” said Naresh Shanker, senior vice president and chief technology officer, Xerox. “With Oracle Cloud and Oracle NetSuite, we have the underlying foundation in place, which will allow us to operate with agility and speed. We’re now able to quickly launch business models and processes on a single platform with no integration required.”

With Oracle Cloud and NetSuite, Xerox’s businesses can sell online, create orders, process invoices, track performance, execute financial planning, and send and receive data – without any involvement needed from the IT department. Armed with these Oracle solutions, the new Xerox businesses will be positioned to deliver much-needed capabilities, including industrial IoT to monitor critical infrastructure, 3D printing for manufacturing, and augmented reality for customer support.

“For more than a century, Xerox has been at the forefront of business technology innovation,” said Jonathan Tikochinsky, executive vice president, strategic clients group, Oracle. “We’re proud to partner with the company as it applies that same dedication and expertise to solving pressing global issues.”

Xerox has worked with Deloitte and Infosys to implement a wide range of Oracle Cloud services to fast-track the launch of its innovation businesses and enable them to quickly monetize services. This includes Oracle Fusion Cloud Enterprise Performance Management (EPM) for budgeting and financial planning, NetSuite for finance and accounting, Oracle Commerce for an online storefront, and Oracle Cloud Infrastructure (OCI) for a complete cloud infrastructure platform. In addition to enabling integration in every direction via Oracle Integration, OCI provides Xerox and new businesses with access to a set of data management services built on self-driving Oracle Autonomous Database technology, delivering advanced analytics and automated patching, upgrades, and tuning. Xerox can also tap the power of OCI High Performance Computing when researching potential new businesses, and under OCI’s Universal Credits purchasing option, Xerox can mix-and-match any OCI services.

ZW3D Helps the Eurecat Technology Center Nurture Catalonia-Based Businesses

18 January 2022

With 11 offices in Catalonia, Spain, the Eurecat technology center brings together the expertise of 650 professionals who generate an annual income of 51 million euros. As the main technological partner of

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more than 1,000 local companies in industries such as medical and automotive, Eurecat is involved in over 200 R&D projects and has nearly 100 patents.

More Powerful yet Affordable 3D CAD for More Profitable Business

At Eurecat, more than 100 people handle CAD information that mostly comes from different providers and clients daily. Besides assisting associates including Dicomol, Rogasa, Tecsymold, Servitecmold, Talleres Fiestas, etc., they develop their own plastic injection mold products and projects with around 20 users focused on the 3D design of different parts.

According to Mr. José Marfil, the manufacturing laboratory manager, a flexible 3D CAD solution with full capabilities to achieve any requirements and with the best support was needed for them to help associates be more profitable. *“From MecDATA, a long-time software supplier who happens to be one of ZWSOFT’s Spanish partners, we learned about ZW3D whose price-performance ratio is favorable. What’s more surprising is that they were willing to donate some licenses to us on behalf of ZWSOFT to support our role as the bridge between the world of applied research and the economic fabric.”*

Depending on current projects and training needs, around 25 professionals work with ZW3D at Eurecat. As Mr. Félix Torres, a robotics technician pointed out, they hoped that they could create new projects with fewer resources devoted to CAD and allocate more of the time and money to different areas. *“ZW3D has a huge range of features that meet most of the customer needs at a low price. This combination of capability and affordability allows us to create big projects without investing a big quantity of money in 3D CAD software. Compared with using other software, we cut the cost by up to 10 times, for similar features! This advantage can be extended to the yearly maintenance quote and new seats in the future.”*

Satisfying All Technical Needs from Easy Learning to Powerful Repairing

From the technical perspective of Mr. Torres, ZW3D has a bunch of practical advantages. First, it is easy to use. *“We like the ZW3D interface, which is very similar to other products and predictive. In general, the training curve is short. We were able to grasp ZW3D in around 2 weeks using the integrated tutorials and timely technical help from MecDATA.”*

Plus, ZW3D boosts their productivity from mold design to assembly. *“A wide range of file formats of solutions like CATIA®, NX®, and SolidWorks® can be imported and exported with ZW3D so that we can modify and develop external geometries. Our most frequently used functions are related to mold design. We find the mold library and the powerful repairing to fix surfaces and solids very useful. We also appreciate features like associative assembly.”*

Opening up New Possibilities via ZW3D

Eurecat aspires to show their associates how to improve the performance of their companies by making them more reliable and more profitable. *“Thanks to this donation of ZW3D licenses, we had an opportunity to learn about a new solution that can change the CAD market in a few years. Our associates got to develop a better perspective on the available choices in the market and make a comparison with the common ones as well,”* concluded Manager José Marfil.

Product News

Autodesk - BIM 360 Document Management Updates – January 2021

19 January 2022

Joan Allen of Autodesk published a new blog post detailing the updates made in January 2022 to BIM 360 Document Management. Improvements to searches, filters, exporting, and folder management are included in this release. To read more please go to the Autodesk blog.

<https://blogs.autodesk.com/bim360-release-notes/2022/01/19/document-management-updates-january-2021/>

Autodesk Fusion 360 - January 2022 Product Update – What's New

18 January 2022

An update to Autodesk Fusion 360 has been released. The details were posted by Keqing Song on the Fusion 360 blog on January 18, 2022. The changes include new design extensions, updates to modeling and simulation, traditional manufacturing and additive manufacturing, as well as updates to the API. To find out more read the blog post here.

<https://www.autodesk.com/products/fusion-360/blog/january-2022-product-update-whats-new/>

BOBCAM FOR RHINO VERSION 2 IS NOW RELEASED

19 January 2022

BobCAD-CAM, Inc., developer of BobCAM FOR RHINO, the Worlds' Leader of Powerful and Affordable CNC software, announces the release of BobCAM FOR RHINO Version 2. It's now available for download. With the release of V2, their New 5 Axis Premium module is now available for all BobCAD-CAM's product families. (BobCAD, BobCAM FOR SOLIDWORKS, and BobCAM FOR RHINO) Said to be the ultimate toolpath bundle for Job Shop manufacturers programming 3, 4, or 5 Axis CNC machines. The just-released V2 offers new toolpath technology and workflow aimed to reduce programming time, simplify processes while expanding machining capabilities.

“I am so excited for users to their hands on BobCAD-CAM's new products. Every customer will find enhancements and new features to get their NC programs to the machine faster and easier! There was a lot of focus on the usability, all the way up to new cutting strategies for shops who are pushing machines to their limits.”

Greg Myers
Director, R&D

As an international CAD-CAM solution partner for 36 years, with distribution points in all major markets, BobCAM FOR RHINO V2 comes localized in 8 language packs: English, Spanish, French, German, Japanese, Czech, Italian, and Portuguese. Call 877-262-2231 for partnership opportunities.

BobCAM FOR RHINO V2, a RHINO 6 or greater CAM plug-in improves the performance and capability of any shop that uses it.

Offering new efficiency and improvements for Hole making, 2D machining, 3D roughing and finishing, 4 and 5 Axis, Roughing, Semi-finishing, Finishing, Turning, Mill-Turn, Wire EDM, Measuring, and Posting.

BobCAM FOR RHINO V2

New Toolpath Technology for Today's Manufacturer

Deburring

Automatically create toolpath to trim complex edges or apply chamfers/fillets to part feature edges when posting in 3, 4, or 5 Axis.

Probing

Simplify and automate the process of programming, simulating, and posting CNC Probing cycles.

Auto 3+2 Roughing

Index roughing for 5 Axis using automatic, semi-automatic, or manual direction of approach.

3-5 Axis Conversion

Apply automatic 5 Axis tilting for 3 axis toolpaths.

Turn Mill

Faster material removal for Mills and Mill-Turn Machines where both the stock and tool are spinning to increasing surface speed. Machine part profiles resulting in less chip consideration and faster cycle times.

Multiaxis Machining

New Finishing strategies added to what was previously called Multiaxis Roughing. Now users can choose from roughing and finishing options with specific toolpaths for wall and floor finishing.

Multiblade

New advanced optimized operations for 5 Axis machining of impellers & blisks. Specific operations to rough and finish blades, hubs, and fillets.

Port Machining

New advanced optimized operations that are specific for CNC Port Machining, requiring minimal user input.

Cadence Announces Full DRAM Verification Solution for Automotive, Data Center, and Mobile Applications

20 January 2022

Cadence Design Systems, Inc. announced a new DRAM verification solution, allowing customers to test and optimize system-on-chip (SoC) designs for data center, consumer, mobile and automotive applications. Using the full DRAM verification solution, which delivers up to 10X increased verification throughput, customers can quickly and effectively perform IP-to-SoC-level verification of advanced designs with multiple DDR interfaces.

Modern SoC designs leverage advanced memory technologies, such as LPDDR5x, DDR5, HBM3 and GDDR6, which require rigorous verification at the PHY and IP levels to ensure compliance with the JEDEC standard as well as SoC-level verification to meet application-specific system performance definitions and data and cache coherency requirements.

“DRAM memory verification requires unique methods to ensure that all timing, power and throughput requirements are met in various conditions,” said Paul Cunningham, senior vice president and general manager, R&D, in the System & Verification Group at Cadence. “With the industry’s first full DRAM verification solution, we’re enabling our customers to verify their IP designs effectively and ensure their

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designs comply with the JEDEC standard specification as well as the memory subsystem application-specific performance metrics to provide the fastest path to IP and system verification closure.”

The new DRAM verification solution enables IP-level verification through Cadence® PHY VIPs and memory models with a direct and seamless path to SoC-level verification with the Cadence System VIP solution, including the System Performance Analyzer, System Traffic Libraries and System Scoreboard, all with built-in integration and content for DRAM interfaces, enabling fast and efficient memory subsystem and SoC verification for simulation and emulation environments.

The solution also includes Cadence TripleCheck™ technology, which provides users with a verification plan linked to a specification, including JEDEC, DFI and PHY, comprehensive coverage models, and a test suite to ensure compliance with the interface specification.

“Micron is committed to leading the development of next-generation memory technologies that drive value from the data center to the intelligent edge and across client and mobile user experiences,” said Malcolm Humphrey, vice president and general manager of the Compute DRAM Products Group at Micron. “Our collaboration with Cadence accelerates ecosystem development to deliver innovative memory solutions.”

The new verification solution for DRAM verification is part of the broader Cadence verification full flow, which includes Palladium® Z2 emulation, Protium™ X2 prototyping, Xcelium™ simulation, the Jasper® Formal Verification Platform, the Helium™ Virtual and Hybrid Studio, and the vManager™ Verification Management Platform. The Cadence verification full flow delivers the highest verification throughput of bugs per dollar invested per day. The DRAM verification solution and verification full flow support the company’s Intelligent System Design™ strategy, enabling SoC design excellence.

EnSuite-Cloud ReVue introduces SmartMeasure tools for Collaboration

18 January 2022

CCE, a leading provider of advanced CAD interoperability solutions, announced the release of “SmartMeasure”, a set of **context-aware measuring tools** to help users have a significantly richer collaboration experience when working with 2D and 3D multi-CAD data in its flagship secure online meeting and design review software, EnSuite-Cloud ReVue.

In its first big release of the new year, EnSuite-Cloud ReVue focused on providing users a richer experience when discussing 2D and 3D CAD models. With the introduction of SmartMeasure, users can now select multiple elements (edges/vertex) from the CAD model and the software will highlight all possible measure options involving those elements and the user can toggle between them to see the required result.

“When we conceptualized ReVue couple years ago, we wanted to create an engineering collaboration product that provides users a richer and tailored user experience that are not available in today’s commonly used screen-sharing software like Zoom, WebEx and Teams. We reached deep into our engineering background and thought this thing through. The recent introduction of SmartMeasure tools fit into our initial vision of creating a secure engineering collaboration software that is purpose-built with engineers, designers and CAD users in mind,” said Vinay Wagle, CCE’s V.P. Sales and Marketing.

EnSuite-Cloud ReVue is a revolutionary web-based real-time collaboration software that allows users to **take local control of the CAD model** without disrupting the meeting for all participants or compromising intellectual property. It supports latest versions all the major CAD formats, including CATIA V5, CATIA V6 (3DXML), NX, SOLIDWORKS, Inventor, Creo, Solid Edge among others.

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Besides allowing users to collaborate using **2D and 3D CAD data**, users can also share engineering documentation via screen-share thanks to its **multi-document support** in the same collaboration session. EnSuite-Cloud ReVue uses **secure peer-to-peer technology** for collaboration. Some of the key features that ensures total security of intellectual property include:

- **Uses browser exclusively** - No software installation or browser extensions required
- **Data never leaves the user** - No storing of proprietary design data on any server
- **User is in control** - Well-defined roles & privileges for participants for data protection
- **User's data is never out of sight** - No data footprint left after collaboration

Some of the key benefits of using EnSuite-Cloud ReVue for secure online meetings for engineering collaboration over typical screen-sharing apps like Zoom, Teams and Webex include:

- **Independent Local control** of collaboration session without compromising intellectual property
- **High-quality 3D rendering** with zero loss of fidelity of viewable data
- **Natural collaboration experience** without any overhead for data or session preparation
- **Ultra-low latency** allowing for excellent response/refresh rates
- **Low bandwidth usage** allowing for easy sharing of large CAD models
- **Screen-sharing option for non-CAD documents for richer collaboration**

Since its general availability earlier this year, EnSuite-Cloud ReVue has received rave reviews from leading industry analysts in publications like Lifecycle Insights, Engineering.com, MCADCAfe, Digital Engineering among others.

EnSuite-Cloud ReVue can be used for conducting engineering design reviews directly in the browser or access it from an active CAD session using ReVue LiveLink. ReVue LiveLink is available for major formats like SOLIDWORKS, Inventor, Solid Edge, SketchUp, 3D Max, Revit among others and is particularly useful for design reviews (conceptual design or engineering changes) where the **CAD model needs to be edited and the results updated in real-time with participants in the collaboration session**.

Ganister PLM v2.1 is released!

14 January 2022

Adds Features and Robustifies version 2

Every development work reminds us how important the work for version 2 has been. We truly helped ourselves with a much better architecture. You may not see the difference if you are just using Ganister as an end-user, but it is the reason why we could retrieve our development and innovation pace so quickly. We are becoming the first industrial PLM relying on Graph database. And you don't even have to call us PLM, some companies are looking for a better digital thread / Impact analysis solution, and Ganister powered by graphs is the real differentiator to solve these industrial data challenges.

Upgrade

You can upgrade you own instances running npm run upgrade. We raised the node creation limit for freeloaders to 50k nodes !

Change Log

- [Main Client] Fix duplicate data console warnings for custom treegrid views

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- [Main Client] Enable requesting mandatory props for relationships
- [Main Client] fix locked unlocked socket signal
- [Main Client] update relationship data on update in case
- [Main Client] fix customtreegridview loading and prop display
- [Main Client] update popup to be wider
- [Main Client] hide by default and change logo for permissionset in node graphview
- [Main Client] Enable thumbnail display in searchResults
- [Main Client] fix fileOpening for cadExchanger, which opened on the second dbl click
- [Main Client] add graphView nodeformtab files
- [Main Client] Ensure First visible nodeform tab is displayed in case previous ones are hidden
- [Main Client] Fix sorting treegrid views if a default sort is already set on a nodetype
- [Main Client & API] enable search on node properties for all elements of maiden name
- [G-Config] Moving from simple CSS to SASS for styling
- [G-Config] make all topbars fixed with navbar fixed
- [G-Config] fix calculating rights for users and display translations
- [Internal API] upload file from custom methods tests
- [Ganister Server] Fix Node cloning behavior
- [Ganister Server] Raise node creation limit to 50k for free users
- [Documentation] update internal class methods documentation

Looking forward

We keep enhancing stability and security while working on framework features and functional features. Framework features are better ways to develop custom methods, easier configuration settings, new pre-configured tabs, new API integrations. Functional features are more domain specific things like manufacturing BOM builder, Options and variants. We are working on a very promising OnShape integration which will accelerate our activities in the cloud.

Next

We are working on 2.2 with Options and Variants... In the mean time you can install Ganister PLM v2 and let us know how you like it.

Guardhat Adds Gas Monitoring from RKI Instruments to their Connected Worker Platform

19 January 2022

Guardhat, a pioneer of end-to-end connected worker solutions, announced an integration with the GX-3R Pro gas detector from RKI Instruments, Inc.

The number of lone workers in the United States has dramatically increased over the past two years, especially with the pandemic forcing many employees to work remotely. OSHA defines a lone worker as 'an employee working alone, such as in a confined space or isolated location.' Hazards within confined spaces require a gas monitor to identify potential explosive, toxic, or oxygen deficient atmospheres.

Integrating the GX-3R Pro gas detector from RKI Instruments into the Guardhat Platform allows users to immediately respond to exposure threats to individual workers in real-time before incidents occur, as well as aggregate and analyze exposure trends for actionable intelligence to improve worker safety and operations.

The GX-3R Pro gas detector from RKI is the smallest and lightest portable multi-gas monitor with Bluetooth on the market. Weighing less than five ounces, it is rich in features. It can detect up to five gases simultaneously – including standard confined-space gases: LEL, O₂, CO, & H₂S – and an optional fifth channel for ammonia, hydrogen cyanide, nitrogen dioxide, phosphine, sulfur dioxide, or carbon dioxide. It has a non-compliance indicator, SOS panic alarm, and worker-down alarm with audible, visual and vibration alerts.

"Connecting our personal gas monitors into the Guardhat Platform will provide our customers with a more immediate awareness of the dangers facing their workers" said Bob Pellissier, president at RKI Instruments. "Gas exposure information is translated into real-time alerts and location awareness beyond the worker, to internal support teams or EMS personnel for immediate, preventative intervention as well as PPE compliance. This data is crucial for worker safety, but also provides capabilities to manage fleets of instruments."

Nirmal Chudgar, chief product officer at Guardhat, added, "With RKI, Guardhat customers gain a new dimension of threat detection in a system where workplace threats can be visualized, managed, and recorded in a single view with the safety of people as our organizing principle, versus devices or data tracking. We share a common mission with RKI – to save lives. Industrial organizations want to remove friction between the safety of their workforce and their production goals. Providing a one-stop shop for safety solutions in place of disconnected sensors and devices that don't talk to each other helps improve and streamline safety and makes it easier for workers to do their jobs."

GX-3R Pro gas detection instruments integrated with the Guardhat Platform will be generally available in early Q2 2022, directly through Guardhat or through the RKI distributor channel. Pilot and demo programs are available now.

HCL Technologies Launches Dedicated Intel Ecosystem Unit to Further Boost Customer Service Strategy

18 January 2022

HCL Technologies (HCL), a leading global technology company, has launched a dedicated Intel Ecosystem Unit to help build focused, innovative and industry-tailored solutions for Intel clients. The new unit will focus on increasing the creation and adoption of state-of-the-art technologies while developing an accelerated technology roadmap for enterprises on cloud, end-user computing, network and edge, and AI.

HCL and Intel have a long and successful partnership that has helped enterprises accelerate their digital transformation journeys. Both companies have collaborated to invent and innovate on key projects by leveraging advanced hardware and software technologies from Intel and high-end engineering and services capabilities from HCL.

This Intel Ecosystem Unit in HCL will bolster its ecosystem strategy by curating interdependent, synergistic collaborations with other strategic partners. Cutting across all hyperscalers and technology original equipment manufacturers, this unit will complement them and strengthen service delivery by integrating cloud with analytics workflows and enabling disruptive new digital models to emerge.

Intel is a leading technology builder for rapid acceleration in the cloud and cloud-native space, along

with modernization of personal computing devices. HCL's Intel Ecosystem Unit will build on the joint investments made over the last decade – across technologies with specialized engineers, technical showcased frameworks and driven through centers of excellence, offshore development centers, and cloud native labs in the U.S., EMEA and Asia.

The unit will align with the #HCLCloudSmart strategy as a key pillar of its ecosystem operating model to help customers make intelligent choices for building a resilient and sustainable digital foundation that leverages Intel's multiple products, platforms, tools and solutions.

“The business challenges our customers face today require technology solutions across a range of segments, from cloud-to-edge infrastructure and AI to pervasive connectivity and require increasingly collaborative solutions to deliver value,” said John C. Kalvin, Vice President, Sales, Marketing and Communications Group and General Manager, Global Partners and Support Organization, Intel. “Building on our legacy as an enabler for the ecosystem, partners like HCL are leveraging Intel technology to help companies accelerate their digital transformation journeys.”

“We have a long relationship with Intel and this dedicated unit will reorganize our partnership into a single focused business unit,” said Kalyan Kumar, Chief Technology Officer and Head, Ecosystems, HCL Technologies. “It expands on our ecosystem strategy, building a #HCLCloudSmart layer to our existing partnerships, while allowing us to deliver composite solutions to our clients.”

NetSuite Project 360 Empowers Project Managers to Deliver Projects on Time and Within Budget

19 January 2022

Oracle NetSuite announced a new dashboard within NetSuite SuiteProjects to help services-based businesses efficiently manage projects for their clients. Oracle NetSuite Project 360 provides a centralized view of key metrics, reports, statuses, and resources, from across SuiteProjects to give project managers greater insight into vital project information. This helps project managers minimize administrative tasks and quickly identify projects needing attention and take the appropriate corrective action.

“One of the biggest challenges facing services businesses is lack of visibility into project status, budget, and forecast, which hinders project managers' ability to easily gauge project health and act if needed,” said Gary Wiessinger, SVP of product management, Oracle NetSuite. “At NetSuite, we pride ourselves in delivering what we call ‘Suiteness’ for our customers, which is our unique ability to unify insights and actions across their entire business. Project 360 is a perfect example of this by providing customers with a unified view across projects, customers, employees, and financials, enabling project managers to be more proactive and take steps to keep projects on time and on budget.”

Project 360 enhances NetSuite SuiteProjects, which combines Customer Relationship Management (CRM), HR and accounting/Enterprise Resource Planning (ERP), to provide customers with a comprehensive platform to run a services business. It can bring data from across SuiteProjects into a single dashboard, giving customers a centralized view into vital project information and enabling them to easily monitor KPIs. It can also decrease administrative time by giving project managers access to navigate to specific areas of the projects from one localized workspace. With Project 360, project managers can optimize:

- **Project Budget Analysis:** Helps project managers understand if sufficient budget remains to complete a project by analyzing spend and allocation. In addition, Project Forecast Estimate at Completion (EAC) helps calculate if the project will be delivered within the original budget.

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- **Project Billing:** Helps project managers rectify and send invoices when necessary by enabling display of how much is currently billable to the client and what has yet to be billed.
- **Project Profitability:** Helps project managers determine if a project is making the desired profitability based on recognized revenue and total costs to date.
- **Project Resourcing:** Helps project managers understand the resources dedicated to a project by providing a “social view” (names and pictures) of the project team, a visualization of the project Gantt chart, and insights into how much time each resource has spent against the total for each assignment.
- **Project Health and Status:** Helps project managers quickly and easily access specific information on project health and status including billing and revenue, budgets, resourcing and planning, and financials.
- **Client Information:** Gives project managers an upfront synopsis of the client and surfaces client contact information and data.

New Analog Safety I/O Modules from Rockwell Automation Meet Fail-Safe Requirements

18 January 2022

The new Allen-Bradley FLEX 5000 analog safety I/O modules can help process operators meet fail-safe requirements and minimize related downtime risks in a wide range of process applications.

The analog safety I/O modules from Rockwell Automation offer integrated safety with systematic capability up to SC 3. The modules are TÜV certified up to SIL 3, PLe, Cat. 4. They also can be mounted in the same I/O bank with standard FLEX 5000 I/O modules to reduce system costs and complexity.

The FLEX 5000 analog safety I/O modules are ideal for process applications where speed or frequency measurement, temperature, pressure, or flow sensor monitoring are required for functional safety protection. Potential applications include emergency shutdown, burner management, turbine control, compressor control, oil and gas auxiliary boilers, high-pressure protection, lighting and ventilation management.

With these new modules, the FLEX 5000 product family now includes a complete portfolio of discrete and analog fail-safe I/O modules for a wide range of applications. Users can simply choose the I/O that meets their operational needs.

FLEX 5000 I/O can also reduce downtime by providing easier access to additional process diagnostics via highly integrated HART in the Studio 5000 Logix Designer application. They can reduce overall footprint by allowing the direct termination of field signals. And they can save engineering time via tight integration with instruction sets in PlantPAx 5.0 and above systems.

New CONTACT Elements for IoT release optimizes production control

20 January 2022

CONTACT's IoT platform enables manufacturers to offer smart services and digitize their production assets. Now, the software provider has released a new version of Elements for IoT that gives companies even more value-added potential on the shopfloor.

The previous CONTACT Elements for IoT versions already deliver many apps and functions that the

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machinery and plant engineering, mobility and related industries can use profitably. They support the digitization of products and services as well as Industry 4.0 applications that optimize asset management through end-to-end data-driven processes. With the current release, CONTACT Software is once again significantly expanding the performance range of its IoT platform, among other things with the new Shopfloor Navigator.

"This solution visualizes shift performance through real-time KPIs, automates event reports and greatly reduces the workload on the shopfloor," says Dr. Jan Kickstein, deputy head of development at CONTACT Software. "Most of all, companies can view the status of their production live at any time and from anywhere in the world."

Kickstein's IoT team contributes even more innovations that help customers sustainably increase their operational excellence. All in all, the new CONTACT Elements for IoT release enables more flexible manufacturing processes up to batch size 1, accelerated throughput times, increased process quality and significant cost savings.

Production always in view

The Shopfloor Navigator provides shift supervisors, plant managers and the head of production with the right information. In each shift, the software can be used to calculate the defined KPIs, execute production processes, analyze the reasons for downtimes and scrap - and log all relevant data for a smooth shift handover.

The Shopfloor Navigator simplifies machine assignment and personnel planning, provides plant staff with the necessary work documents, visualizes key business figures such as good/bad parts or throughput times in real time and reflects them back into the company IT. The solution's dashboards can be used flexibly according to information requirements: Productivity evaluations are possible for a single machine or shift, the complete workday as well as over a longer period.

Flexible machine connectivity

With MQTT and OPC UA, CONTACT serves two leading industry standards for machine connectivity with IoT platforms. If required, the software vendor implements further connectors for data exchange with field devices. The new Elements for IoT device profiles also provide flexibility for machine connectivity. They define how information arriving at a connector should be interpreted for a specific asset or group of assets. Through this translation, device profiles build a bridge between the internal and external data processing models.

Efficient service planning

The IoT release also offers valuable additions for asset maintenance through new scheduling and usage rules. In critical situations, data-driven ad hoc service has been possible for some time. With the scheduling rules, fixed maintenance intervals can now be easily planned.

Those responsible generate recurring service cases by clicking on the desired period and can also define how to proceed for dates that do not fall on a working day. With the service calendar, CONTACT provides a new widget for the intuitive display of long-term maintenance planning.

Companies can also plan service cases according to operating time, for example, by defining the following usage rules for a machine: minor maintenance is due at the latest after 500 machine hours or after one month without maintenance, major maintenance at the latest after one year. Since different criteria can be combined that trigger service cases and are mutually dependent, even complex maintenance structures can be easily mapped.

Global multi-site support

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Also new is the multi-site mode, which links multiple IoT instances hierarchically: Templates and processes are defined in the administrative Elements for IoT instance and distributed to the operational instances (usually one per plant). All operational instances are run close to the machines to achieve low on-site latency.

CONTACT's platform replicates the locally collected information and compiled results and merges them with the data from the other plants in the administrative IoT instance. This architecture enables global analysis across all sites while ensuring high system performance. Even if the connection to the central instance is lost, each plant can continue to work with its operational instance.

A well-known automotive supplier is currently rolling out the new IoT release in its plants. By the end of 2022, a total of 10 production sites worldwide will be using CONTACT Elements for IoT for digital shopfloor management.

SECURE DATA EXCHANGE FROM THE ACTIVE WORKSPACE CLIENT

19 January 2022

PROSTEP AG has begun delivering the new version 9.3 of its data exchange platform OpenDXM GlobalX. It not only makes it easier for system administrators to do their job but also provides greater security thanks to two-factor authentication. PROSTEP has also expanded its extensive range of PDM/PLM integrations to include an integration to the Active Workspace client from Siemens Digital Industries Software. It enables users who don't work with the Teamcenter PLM system all the time the access to CAD and PLM data, e.g. via any commonly used web browser. The new plug-in also allows them to send the data directly from the Active Workspace client.

OpenDXM GlobalX's web-based graphical user interface is a success story in which system administrators can now fully participate. With version 9.3, the task of migrating all the administration functions to the new web interface has been brought to a successful close. As part of this migration, the functions were expanded and grouped together in topic-specific panels. The newly created system monitoring dashboard makes it possible for administrators to see at a glance the status of system components, critical processing operations and which licenses are available and which are currently being used. Depending on the permissions they have been granted, they also receive information about the user configurations, the files in the system, the e-mails that have been sent or the processing and approval processes.

OpenDXM GlobalX can be integrated very easily in PDM/PLM landscapes in order to automate complex processes for preparing and sending data. For this purpose, PROSTEP provides standardized integrations to all the leading PDM/PLM systems, such as 3DEXPERIENCE from Dassault Systèmes, PTC Windchill, SAP ECTR or Teamcenter from Siemens Digital Industries Software, and to other enterprise applications. The range of integrations is constantly being updated and expanded. The latest addition is the integration to the Active Workspace client for Teamcenter.

As with all the plug-ins, users work with their client in the usual way, searching for their documents and compiling them into collections for transfer. They use the wizard to start the send operation by selecting the recipient and, if appropriate, entering further information relevant to the transfer. OpenDXM GlobalX executes the processing steps in the background and makes the exported and prepared data available to the recipient. The status of the transfer is reported back to Teamcenter. All the processes are logged in the database of the PLM system for verification purposes.

As product manager Daniel Wiegand points out, PROSTEP has implemented all the customer requirements on the development roadmap for the current year in the new version 9.3. "We have also

improved the security mechanisms by integrating two-factor authentication (2FA). It allows access to OpenDXM GlobalX to be made even more secure via a soft token generated with an authentication app."

Simcenter Culgi 15 released! What's new?

19 January 2022

A new post by Estelle Calohard on the Siemens blog outlines the updates in the newest version of Simcenter Culgi. These updates include: time- and space-interval particle-based simulations, Vibrational Infrared mode analysis, miscibilities predictions, and permeability predictions. To read the full post please check out the Siemens blog. <https://blogs.sw.siemens.com/simcenter/simcenter-culgi-15-released-whats-new/>

Touchplan Announces new Integration with Autodesk Construction Cloud

18 January 2022

Touchplan, an award-winning collaborative construction planning solution, today announced a new integration with Autodesk Construction Cloud®, a portfolio of software and services that combines advanced technology, a builders network and predictive insights for construction teams.

Now, customers can easily track and analyze real-time project health, risk and performance directly in their Autodesk® Build or BIM 360® Project Home dashboards.

"Effective project planning helps drive team accountability, leading to on-schedule and within-budget project delivery," said James Cook, head of integrations for Autodesk Construction Solutions.

"Integrating Touchplan with Autodesk Construction Cloud enables project managers to draw important insights as they monitor their construction results alongside their lookahead planning."

"This new integration between Touchplan and Autodesk Construction Cloud drives real value for our customers," said Jimmy Suppelsa, Chief Revenue Officer for Touchplan. "Touchplan is the premier planning and communication solution for daily jobsite operations for owners, general contractors, and subcontractors; enabling them to connect Touchplan data to the rest of their project information on the Autodesk Construction Cloud platform delivers greater visibility across teams, tightens project controls and streamlines collaboration and provides more project certainty for involved stakeholders."

Theorem Solutions - NEW PRODUCT RELEASE: CATIA V5 TO CREO VIEW (V24.2)

17 January 2022

Katharine Edmonds of Theorem Solutions announced the release of the newest adapter for CATIA to Creo on the Theorem Solutions blog. The Lightweight 3D suite of products from Theorem Solutions allows the visualization of 3D data. To read more please go to the blog post.

<https://www.theorem.com/news/new-product-release-catia-v5-to-creo-view-v24.1>

What's new in Tecnomatix? (January 2022)

17 January 2022

In an announcement made on the Siemens blog, Mike Rouman details the newest updates to Siemens digital manufacturing software Tecnomatix. It's updates include changes to robotics, integration with

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ArtiMinds Robot Programming Suite, updates to the automatic path planner API, and more.

To read the full post please go to the Siemens Blog. <https://blogs.sw.siemens.com/tecnomatix/whats-new-in-tecnomatix-january-2022/>