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## CIMdata News

### ***Volvo Group's Head of PLM/PDM Core Platform Area – Technology to Keynote at PLM Road Map™ & PDT EMEA 2022***

30 August 2022

*This presentation will share some learnings on Volvo Group's PLM/PDM transformation journey and key factors to consider.*



CIMdata, Inc., and Eurostep are pleased to announce that Josef Schiöler, Head of Core Platform Area PLM/PDM, Volvo Group, will make a keynote presentation at PLM Road Map & PDT EMEA 2022. The event will take place in Gothenburg, Sweden, on 18 & 19 October. The theme for this year's event is "Digital Transformation and PLM – a call for PLM Professionals to redefine and re-position the benefits and value of PLM."

The Volvo Group is embarking on an exciting transformational journey, and the magnitude of change is huge. Megatrends such as electrification, automation, and connectivity are driving this change. The company's vision for 2030 sets ambitious targets to meet the convergence of these megatrends and the new opportunities they bring. Volvo Group must adapt to become masters in producing profitable, scalable, and differentiated digital offerings in this new reality. To adapt to this fast-paced world, Volvo needs to be faster to market, work closely with customers, and possess the ability to quickly scale up digital offerings to maximize its value proposition to customers. Digital & IT will enable and facilitate this change with the clear ambition to become the digital capability of the Volvo Group and enable value creation at scale. To support this change, Volvo Group's PLM & PDM landscape is undergoing a significant transformation to enable the speed needed to meet future requirements and changing business models, including a more connected partner ecosystem.

In his keynote presentation, Transformation Journey and PLM & PDM Modernization to the Digital Future, Josef will share learnings on Volvo Group's journey and the key factors to consider in a PLM/PDM transformation.

PLM Road Map & PDT EMEA is a highly relevant event for PLM industry leaders and PLM practitioners globally, providing independent education where ideas, trends, experiences, and relationships critical to the industry germinate and take root.

For more information about PLM Road Map & PDT EMEA 2022, please visit the CIMdata website <https://www.cimdata.com/en/education/plm-conferences/plmrm-pdt-emea-2022>.

#### About Josef Schiöler

Josef Schiöler is Head of the PLM & PDM Core Platform Area in Volvo Group's Digital & IT function. Josef has more than 10 years of experience leading IT delivery for Volvo's unique PDM systems and the commercial PLM & CAD solutions used at Volvo. He is currently involved in a major PLM/PDM modernization initiative to better support the digital future with a flexible and future-proof PLM Backbone. Josef has 25+ years of experience in Automotive and IT roles, including corporate standardization, process management, IT portfolio management, relationship management, and senior leadership.

## Acquisitions

### ***Accenture Acquires Leading Carbon Emissions and Climate Change Strategy Consultancy Carbon Intelligence***

1 September 2022

Accenture has acquired Carbon Intelligence, a leading carbon and climate change strategy consultancy, adding more than 160 professionals to its rapidly growing group of data scientists, consultants and sustainability experts. Carbon Intelligence is focused on helping global businesses understand their overall carbon footprints, and ways to reduce them, using Science Based Targets Initiative (SBTi) strategies that lead to transformational rethinking of clients' business models and value chains.

Carbon Intelligence is Accenture's fifth sustainability-focused acquisition in the last year, which comes in addition to the company's significant expansion of its global capabilities through investing in its people and recruiting top talent. Accenture continues to place ever-greater emphasis on sustainability by expanding capabilities in sustainability strategy, supply chain transformation, and data-driven measurement of value and impact. Earlier this year, Accenture acquired Greenfish in France, Belgium and the Netherlands, akzente in Germany, Avieco in the UK and Zestgroup in the Netherlands.

"Carbon Intelligence expands our expertise in carbon strategy and delivery, building on the insights of our recently created global carbon intelligence network," said Peter Lacy, Accenture's global Sustainability Services lead and chief responsibility officer. "We continue deepening our global capabilities in sustainability – one of the forces that companies must harness to lead in the next decade – in areas that are crucial for the energy transition. Alongside this we are embedding 360-degree value for our stakeholders with our growing number of partners, venture investments and, most importantly, our clients."

Carbon Intelligence has helped numerous multinational companies set science-based decarbonisation targets and develop measurable strategies to achieve them, working closely with the SBTi. The company is a key accredited partner to CDP (formerly the Carbon Disclosure Project) and regularly recognised for its high standard of work in helping clients measure and manage their emissions.

Jonathan Sykes, CEO, Carbon Intelligence said: "The Carbon Intelligence team is made up of amazing, passionate people who are committed to driving real impact on climate change. We are excited to be joining Accenture, which will help us scale our capabilities and fulfil our mission to help businesses make a successful transition to a low-carbon world."

The addition of Carbon Intelligence demonstrates Accenture's ongoing commitment to embed sustainability into everything the company does and with everyone it works with, at a time when increasing regulation and new standards are expanding the call for accurate data in sustainability decision-making by clients across industries and around the world. The ability to measure, interpret and act on carbon data using the very latest in analytics, artificial intelligence and visualization technologies has never been more critical.

Toby Siddall, Accenture's Sustainability lead in the UK and Ireland added: "Carbon Intelligence is an important addition given their leading capabilities in emissions measurement and management, and trusted data-based insights to support clients in decarbonisation goals against science-based targets. Together with Accenture's capacity to deliver real transformation at scale, we will be able to accelerate true impact in reducing total emissions with our clients and for the communities they serve."

Terms of the transaction were not disclosed.

## ***Accenture Acquires MacGregor Partners to Expand Supply Chain Network and Fulfillment Capabilities***

1 September 2022

Accenture has acquired MacGregor Partners, a leading supply chain consultancy and technology provider specializing in intelligent logistics and warehouse management. The acquisition expands Accenture's supply chain network and fulfillment transformation capabilities powered by Blue Yonder technology. Terms of the transaction were not disclosed.

Headquartered in Raleigh, North Carolina, MacGregor Partners' team of more than 100 employees will join Accenture's Intelligent Platform Services group, bringing deep expertise in helping companies across industries with warehouse management system (WMS) and transportation management system (TMS) implementations.

"Managing growing demands on fulfillment and distribution centers is a key component in our clients' overall effort to totally reinvent their supply chain networks," said Renato Scaff, Accenture's North America Supply Chain & Operations lead. "The acquisition of MacGregor deepens our capabilities for supply chain network transformation and extends our skilled workforce in delivering effective solutions with our alliance partner, Blue Yonder."

MacGregor Partners brings intellectual property and capabilities spanning data visualization and analytics solutions that provide real-time visibility and actionable insights to improve warehouse and logistics performance, a fully contactless and digital yard solution that transforms the driver experience at facilities, and an on-demand inventory management system. The company also specializes in robotics solutions, specifically selection and a robotics connectivity hub to rapidly deploy automation alongside a WMS.

"We work with our clients to take a holistic approach to warehousing and logistics, deploying market leading technologies like Blue Yonder to deliver next generation supply chain execution and commerce capabilities," said Stephen Ambo, Accenture's global Blue Yonder practice lead. "Together with MacGregor, we will be even better positioned to help our clients profitably fulfill demand and deliver innovative products, services and experiences to their customers."

Jason Ziegler, MacGregor Partners President and CEO, added, "For over a decade, we have helped our clients transform their distribution network technology landscape, keeping their products in motion. As part of the Accenture platform, we will positively impact a much larger portion of the global supply chain, while increasing the speed of innovation our clients have come to trust. This also provides our employees with incredible opportunities for growth as we collectively craft the future of supply chain."

## ***Accenture Completes Acquisition of Sentia in the Netherlands, Belgium and Bulgaria***

2 September 2022

Accenture has completed its acquisition of Sentia's businesses in the Netherlands, Belgium and Bulgaria. Headquartered in the Netherlands, the Sentia group provides cloud advisory and delivery services spanning hybrid and multi cloud strategy, cloud transformation and migration.

The acquisition, previously announced on August 2, adds more than 300 cloud specialists to Accenture Cloud First, bolstering Accenture's capabilities to provide end-to-end cloud infrastructure services across public, private and sovereign clouds.

"Accenture Cloud First's priority is to help clients with total enterprise reinvention by building their digital core, optimizing operations and accelerating growth," said Karthik Narain, global lead for

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Accenture Cloud First. “Adding the Sentia team expands our migration and modernization capabilities, and further equips us to help companies optimize their workloads across the cloud continuum.”

Roy Ikink, lead for Accenture Cloud First Netherlands, added, “The acquisition of Sentia’s business in the Netherlands, Belgium and Bulgaria enhances our capabilities in Europe, particularly around hybrid cloud and sovereign cloud. The Sentia team’s experience in this area will be invaluable in helping clients to address regional data privacy regulations.”

A leading cloud consulting company, Sentia’s main cloud control and optimization services include cloud managed services, cloud security services and cloud infrastructure migration. Sentia also offers unique digital experience monitoring services that analyze, track and predict enterprise applications and cloud services from an end user’s perspective.

Financial terms of the transaction were not disclosed.

Note: Sentia’s Danish business is not part of the acquisition and will continue as an independent business under the Sentia brand, supported by Waterland Private Equity as main shareholder.

## ***Cadence Completes Acquisition of OpenEye Scientific***

1 September 2022

Cadence Design Systems, Inc. announced that it has completed the acquisition of OpenEye Scientific Software, Inc. (“OpenEye”). The addition of OpenEye’s technologies and experienced team accelerates the Cadence® Intelligent System Design™ strategy by extending Cadence’s computational software core competency to molecular modeling and simulation that is targeted to life sciences.

OpenEye, an industry leader in computational molecular design, has pioneered physics-based approaches and the cloud-native Orion® software platform to accelerate advances in human health. Its products are used by pharmaceutical and biotechnology companies for drug discovery, and its customers include 19 of the top 20 global pharmaceutical companies such as Pfizer and AstraZeneca.

The acquisition will allow pharmaceutical and biotechnology companies to benefit from more robust drug discovery solutions that combine OpenEye’s innovative molecular modeling and simulation software solutions for drug discovery with Cadence’s algorithmic and solver expertise, efficient large data management infrastructure, and leading AI/ML and cloud solutions.

The aggregate consideration of the transaction is approximately \$500 million, and the acquisition is expected to contribute immaterial revenue this year and about \$40 million in fiscal year 2023.

## ***Court Square Capital Partners-Backed GoEngineer Announces Acquisition of Computer Aided Technology, Inc***

25 August 2022

Court Square Capital Partners, a middle market-focused private equity firm, announced that its portfolio company GoEngineer, a leading provider of 3D design and additive manufacturing solutions, has acquired Computer Aided Technology, Inc. (“CATI”), a product development solutions provider specializing in 3D software and 3D printing hardware.

Founded in 1992 and headquartered in Chicago, CATI is a leader in the CAD and additive manufacturing solutions space, with over 30 years of experience in product development solutions designed to deliver unique services and innovative technologies to customers.

The acquisition, which is GoEngineer’s eleventh add-on acquisition since 2013 and follows the most

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recent acquisition of Proto3000 in October 2021, represents the next strategic step in the company's goal of building a national CAD and additive manufacturing platform. In addition, GoEngineer will be able to increase its footprint in the Midwest and Eastern U.S. through CATI's existing customer network in the region.

"We have been impressed by CATI's commitment to quality and innovation and believe their strong product development presence in the CAD and additive manufacturing solutions space complements our existing capabilities," said **Ken Coburn, Founder & Chief Executive Officer of GoEngineer**.

"Through the integration of CATI, we hope to expand our product offering, drive greater value for our existing customers and key technology partners, and enhance our ability to reach more customers in different regions across the U.S."

With over 35 years' experience, GoEngineer provides best-in-class design solutions to customers in the high tech, medical, machine design, and energy industries. These services are carefully selected for their ease-of-use, manageability, and ability to integrate with third-party platforms that help to unlock innovation and deliver better products faster. GoEngineer was acquired by Court Square Capital Partners in December 2021.

"The acquisition of CATI represents the continued execution of our goal to make GoEngineer the premier provider of 3D design and additive manufacturing solutions in the U.S," said **Jeff Vogel, Managing Partner at Court Square**. "Our investment in GoEngineer, together with its subsequent add-on acquisitions, is a testament to our 40-year track-record of successfully partnering with founders and manager-owners to help drive significant value creation, while remaining dedicated to their core values in excellence and quality."

Lazard served as financial advisor and Dechert as legal counsel to GoEngineer. Lincoln International served as financial advisor to CATI.

## ***FARO Acquires Mobile Scanning Market Leader GeoSLAM***

1 September 2022

FARO® Technologies, Inc., a global leader in 4D digital reality solutions, announced the acquisition of UK-based GeoSLAM, a leading provider of mobile scanning solutions with proprietary high-productivity simultaneous localization and mapping (SLAM) software to create 3D models for use in Digital Twin applications. Founded in 2012, the addition of GeoSLAM is expected to significantly expand and accelerate FARO's market growth opportunity in the mobile scanning space.

"We are thrilled to add GeoSLAM's handheld 3D scanning technology to our portfolio of cutting-edge data capture solutions," said Michael Burger, FARO President and CEO. "FARO now offers the industry's broadest set of 4D data capture solutions, including 3600 camera-based images, mobile scanning and stationary high-accuracy laser scanning, allowing customers to balance the need for accuracy, speed and detail depending on their requirements. These capture technologies provide the foundation for our 4D digital reality-based SaaS offering that will allow customers to access multiple 4D data sources for visualization and analysis through a single user experience. We welcome the GeoSLAM team to our FARO family."

"Joining with FARO represents the next step in the growth of GeoSLAM and the establishment of mobile mapping as a driver for growth in the way businesses map and understand their spaces," added Andy Parr, GeoSLAM CEO. "Both companies share a vision of the importance of mobile scanning in the burgeoning digital reality capture market."

GeoSLAM reported £14.5 million in revenue with 18% EBITDA in the fiscal year ending March 31,

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2022. EBITDA, a non-GAAP measure, is calculated as net income/loss before interest (income) expense, net, income tax expense (benefit), foreign exchange rate variance, and depreciation and amortization. The transaction closed on September 1, 2022, funded with available cash reserves and equity consideration.

Under terms of the agreement, GeoSLAM shareholders received a cash payment of £22.0 million and 495,562 shares of FARO stock that is subject to customary lock-up provisions. FARO expects the acquisition to be accretive to Non-GAAP EPS in 2023.

## ***Hexagon expands its Smart Digital Reality™ capabilities across the construction sector with the acquisition of iConstruct***

1 September 2022

Hexagon AB, a global leader in digital reality solutions combining sensor, software and autonomous technologies, announced the acquisition of iConstruct Pty Ltd, a provider of award-winning Building Information Modelling (BIM) software used in commercial, infrastructure and industrial construction.

Its flagship solution, iConstruct Pro, is a proven construction automation tool with hundreds of global customers that have relied on its benefits for years. It enables integration, accessibility and control of the wealth of design and construction information held within different BIM models, combining all data into a single 3D model. Different stakeholders can filter and tailor the model to suit their specific needs, providing a fully-integrated and efficient approach to construction planning and execution.

“Hexagon has long been focused on creating smart digital realities that put data to work in new ways. By blurring the lines between the digital and physical worlds, we can offer customers a complete line of sight to ever-changing situations,” says Hexagon President and CEO **Ola Rollén**. “Not only does iConstruct add an easy-to-deploy solution for combining different design models into a single source but it also enables the reading, writing and exchange of information all the way through operations and maintenance, passing the value of the single 3D model from design and construction to facilities management.”

“The addition of iConstruct’s offerings and expertise opens up immediate opportunities for our Asset Lifecycle Intelligence and Geosystems divisions. With iConstruct both can deliver greater data management, project planning and communication efficiencies to more customers, segments and disciplines involved in the construction process,” continued Rollén. “In addition, iConstruct’s customer base will benefit from richer content and improved work processes when combining Hexagon’s industry-leading construction automation solutions with iConstruct’s tools.”

Founded in 2009 with headquarters in Perth, Australia, iConstruct will operate as part of Hexagon’s Asset Lifecycle Intelligence division. The acquisition has no significant impact on Hexagon’s earnings.

## ***Infosys Completes Acquisition of Life Sciences Consulting and Technology Leader, BASE life science***

1 September 2022

Infosys a global leader in next-generation digital services and consulting, announced that it has completed the acquisition of BASE life science, a leading technology and consulting firm in the life sciences industry, in Europe. This follows the announcement the company made on July 13, 2022.

The acquisition reaffirms Infosys’ commitment to help global life sciences companies realize business value from cloud-first digital platforms and data, to speed-up clinical trials and scale drug development,

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positively impacting lives and achieving better health outcomes. BASE further expands Infosys' footprint in the Nordics region and will bring domain experts with commercial, medical, digital marketing, clinical, regulatory, and quality knowhow. Backed by a team of data science specialists, BASE is at the frontier of the latest technological developments and trends. It has a strong focus on Data & AI, and the ability to bridge and integrate business logic and technology, driving insights for better health outcomes.

Headquartered in Denmark, BASE is one of the fastest growing technology and consulting partners in the life sciences industry. The company has about 200 of the finest, multidisciplinary industry experts across Denmark, Switzerland, UK, Germany, France, Italy, and a nearshore technology hub in Spain. Together with Infosys, BASE will further expand its portfolio of expertise into Consumer Health, Animal Health, MedTech and Genomics segments. BASE collaborates with leading software technology providers in the life sciences industry such as Veeva, IQVIA and Salesforce.

Infosys is delighted to welcome Base life science and its leadership team.

## ***NTT DATA acquires Natuvion to expand its SAP S/4HANA transformation expertise***

31 August 2022

NTT DATA, a global digital business and IT services leader, acquires the majority in the Natuvion Group through NTT DATA Business Solutions AG.

Natuvion is an SAP Data Transformation Partner well respected around the world. Through its international network of offices and subsidiaries, the Natuvion Group provides support to companies with the relocation of business-critical data and processes to modern IT platforms and systems, automated using software tools developed in-house. This enables Natuvion's clients to utilize advanced, innovative IT platforms as quickly as possible. The typical Natuvion "moving services" include data migration, transformation and integration as well as data quality enhancement, data retirement and data protection.

The two companies have already been collaborating as partners for several years. The Natuvion Group and NTT DATA Business Solutions have been bundling the knowledge and know-how required to implement challenging SAP S/4HANA transformation projects since 2020.

"By acquiring a majority stake in Natuvion we are deepening the successful collaboration between the two companies and further strengthening our leading market position in the area of cloud migration globally," comments Norbert Rotter, CEO of NTT DATA Business Solutions AG and SVP of NTT DATA Corporation, Tokyo. "Natuvion's products relating to data transformation in particular and their industry know-how, above all in the energy and utility sector, will open up new joint growth potential."

The Natuvion Group was established in Walldorf in 2014 and expanded internationally in subsequent years. Today, the company has over 250 employees at nine locations in Germany, Austria, Switzerland, Slovakia, the USA and Australia. The owner-managed company possesses extensive know-how regarding complex, international transformation projects as well as in-depth process expertise in diverse industries.

"Clients around the world are continuing to invest in SAP technologies such as SAP S/4HANA and SAP cloud solutions. The type of migration involved requires a great deal of experience. Our new colleagues' exclusive relevant transformation know-how and the Natuvion Group's corporate culture are a very good fit for us. We will market Natuvion's automation solutions worldwide and make them available within the NTT/NTT DATA group," adds Norbert Rotter.

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The Natuvion Group forms part of a globally leading exclusive group of transformation experts operating under SAP's guidance. The four partners of the SAP "S/4HANA "Selective Data Transition Engagement" working group jointly define standards, procedures and processes for the migration to SAP S/4HANA. The devised methods automate these complex processes and enable the Natuvion Group's clients to manage migrations and restructuring projects without any problems and with virtually no disruption to operations. This applies particularly to carve-in and carve-out processes in the course of M&A transactions. In these cases, IT landscapes need to be adjusted to allow companies to either merge or split systems and data as quickly as possible.

"Not only has our collaboration to date been very successful, all those involved have also enjoyed it greatly. It is therefore only logical for us to pursue a joint growth strategy," says Patric Dahse, Co-founder and Co-CEO of the Natuvion Group.

"European core markets, including Germany, have a large SAP S/4HANA cloud market. Our Natuvion Transformation Study 2022 confirms what most people know already. There is already a shortage of consultants with the relevant know-how to manage the large number of migrations to SAP S/4HANA. With NTT DATA Business Solutions, we are now in a great position to be able to fulfil the strong market demand for migrations to SAP S/4HANA and new digital platforms very effectively. By working hand in hand with one of the internationally most successful IT brands, we will be able to bring to bear our competences to optimum effect and to offer our employees a wider range of career options in an international environment. We are greatly looking forward to it," adds Holger Strotmann, Co-founder and Co-CEO of the Natuvion Group.

## ***Sandvik completes the acquisition of PCD tools manufacturer***

2 September 2022

Sandvik has completed the previously announced acquisition of the Portugal-based company Frezite. Frezite's offering primarily consists of made-to-order polycrystalline diamond (PCD) tools for metal and wood applications, with exposure to the automotive, general engineering and aerospace segments. The company will be reported within Walter, a division within Sandvik Manufacturing and Machining Solutions.

In 2021, the company had revenues of approximately SEK 450 million and an EBITA margin that is slightly dilutive to Sandvik Manufacturing and Machining Solutions. Impact on Sandvik's earnings per share will be limited, yet positive.

## ***Trimble to Acquire Bilberry to Extend its Selective Spraying Capabilities for Sustainable Farming***

30 August 2022

Trimble announced that it has signed a definitive agreement to acquire privately-held Bilberry, a French technology company specializing in selective spraying systems for sustainable farming. The transaction is expected to close in the fourth quarter of 2022, subject to certain closing conditions and regulatory approval. Financial terms were not disclosed.

Farmers face a variety of challenges including rising production costs, increasing weed resistance to herbicides and expanding regulations to encourage more sustainable farming practices. These regulations target improving soil restoration, soil fertility and nutrient management as well as reducing the use of chemicals, particularly those that pose a risk for health or the environment. Selective spraying solutions are ideal to help farmers address these challenges.

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Bilberry is a pioneer in applying artificial intelligence (AI) technology that identifies a wide variety of weed species in real time for a broad range of crop types. The system allows sprayers to be retrofitted with the technology to apply herbicide to only weeds (green-on-green) rather than spraying an entire crop or bare ground. It also enables farmers to visualize their crops on a weed density map so they can track the evolution of problem areas. Bilberry was one of the first companies to make this technology commercially available and case studies have shown that the system can reduce the use of herbicides by more than 80 percent, while protecting the environment and significantly lowering input costs for farmers.

Trimble provides technology solutions across the entire agricultural supply chain—from guidance and data management to application control and harvesting. As part of its crop protection portfolio, Trimble’s WeedSeeker® system has been widely deployed. The system can identify plants on bare soil (green-on-brown) and can only be used prior to the crop emerging from the soil. The addition of Bilberry’s AI technology and extensive worldwide weed database will extend Trimble’s crop protection portfolio by providing selective spraying to identify differences in plants (green-on-green) and can be used throughout the spraying season as well as prior to crops emerging.

Combining the technology and strengths of Trimble and Bilberry will enable the development of new and exciting selective spraying solutions for farmers worldwide, who often struggle to integrate and use disparate hardware and software products across various brands of agricultural equipment.

“Our planned acquisition of Bilberry builds out Trimble’s crop protection portfolio by adding green-on-green selective spraying capabilities and supports our development of autonomous solutions,” said Jim Chambers, vice president of Trimble Agriculture. “The Bilberry solution is brand agnostic and compatible with a broad range of spraying equipment manufacturers, which is ideal for mixed fleet operations. This capability, together with existing Trimble competencies, will enable us to expand our role in the growing market for precision agriculture solutions that can reduce input costs, create efficiencies for our customers and drive sustainability in farming.”

“Trimble is a leading provider of precision agriculture solutions, and we are excited about the opportunity to take our business to the next level. As customer demand continues to grow for selective spraying technology, we will be able to leverage relationships with Trimble’s worldwide distribution channel,” said Guillaume Jourdain, co-founder and CEO of Bilberry. “Our technology will offer farmers the ability to gain even more efficiencies out of their existing or new equipment with innovative spraying solutions that have a positive impact on the environment.”

The Bilberry business will be reported as part of Trimble’s Resources and Utilities segment.

## Company News

### ***Accenture Names Hilary O’Meara Country Managing Director for Ireland***

31 August 2022

Accenture has named Hilary O’Meara Country Managing Director for Ireland, effective from Jan. 1, 2023. She succeeds Alastair Blair who will retire from Accenture in early 2023.

In her role as Country Managing Director, Hilary will have overall responsibility for the continued growth and success of Accenture’s business in Ireland. Accenture has been operating in Ireland for over 50 years and is a major local employer with over 5,500 people serving clients across multiple industries. Ireland is also home to The Dock, Accenture’s flagship R&D and Global Innovation Centre, as well as Accenture’s Corporate Services Hub which services the firm’s internal operations globally.

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Hilary has been with Accenture for almost 30 years during which time she has led Accenture's Strategy & Consulting, Resources and Technology practices. In August 2021 she was appointed as Director of Operations for Accenture UK and Ireland. She will continue to serve on the UK & Ireland Executive Team in her new role as Country Managing Director.

Simon Eaves, Market Unit lead for Accenture UK & Ireland, said, "We are delighted to name Hilary as the new Country Managing Director for Ireland. Hilary brings an extraordinary breadth of skills from across our business with extensive leadership experience. She also has a deep passion for inclusion and diversity in the workplace. Hilary's unwavering commitment to our clients, people and communities, makes her the right choice to continue driving momentum and growth for our clients and Accenture."

Eaves added, "I would also like to thank Alastair for all he has done for our business in the UK and Ireland over his career. It is thanks to his exceptional leadership and commitment to our business, that we have grown as a business in Ireland and supported our clients through some very challenging times. I wish him all the best in his retirement."

Hilary holds a B.Sc. in Computer Science from University College Dublin and is a member of the advisory board at the UCD Michael Smurfit Graduate Business School. Hilary was previously a board member of Fast Track to IT.

## ***ASME Promotes Stephanie Viola to Lead its Philanthropy and Foundation***

23 August 2022

The American Society of Mechanical Engineers (ASME) announced the promotion of Stephanie Viola to managing director of ASME Philanthropy and her nomination to serve as executive director of the ASME Foundation, subject to review and approval at the next Foundation board meeting on August 30. She has been director of corporate and foundation relations for the Foundation since 2019. In her new role, Viola will lead ASME's team of development professionals in a consolidated fundraising effort for philanthropic programs across ASME and the ASME Foundation. She will continue to work closely with Anand Sethupathy, ASME's managing director of programs and strategy, including initiatives in global development, workforce development, K-12 STEM, and engineering education and scholarships.

"In a relatively short amount of time, Stephanie has made a tremendous impact on behalf of ASME. Her leadership and strategic insights have helped us to expand existing relationships and develop many new relationships with business leaders and foundations to help advance our mission," says Tom Costabile, ASME's executive director/CEO and member of the ASME Foundation board of directors. "I'd also like to acknowledge and thank Kathleen Lobb for her important contributions to ASME and wish her the best in her next chapter."

Since joining ASME, Viola has been instrumental in launching an ambitious capital campaign, emphasizing objectives to increase equity in engineering and build a more sustainable future for everyone. She has also helped establish a campaign cabinet with leaders from industry, academia, and government, including executives from HP, SpaceX, Stevens Institute of Technology, and ComEd. Viola helped launch ASME's community college and HBCU pilot programs, building a network of engaged stakeholders and donors from beyond the traditional engineering community, including industry leaders from TCS, Accenture, and other organizations who share ASME's objective to grow a more equitable and innovative technical workforce.

"This is a pivotal moment for ASME Philanthropy, an opportunity to continue our progress toward empowering next generation engineers to build a more equitable and sustainable future," says Viola.

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"I'm grateful to my predecessor for her extraordinary work establishing the philanthropy department and launching the Campaign for Next Generation Engineers, and I'm thrilled to expand our donor network and impact across the engineering and technology communities."

Viola has more than 20 years of experience in development and non-profit management, with an impressive track record of securing corporate, foundation, and individual gifts to meet ambitious philanthropic goals. Before joining ASME, she helped plan fundraising strategy, led campaigns, planned giving programs, events and communications for the AIChE Foundation, first as manager of individual giving and later as development director. In 1997, she founded Riot Group, a critically acclaimed, multi-award winning not-for-profit experimental theater company in New York, and served as co-artistic director and performer. She earned a Bachelor of Arts degree in anthropology and theater from Sarah Lawrence College in Bronxville., N.Y.

## ***Bechtle announces intent to double IT security team***

30 August 2022

**Bechtle AG is ramping up for a considerable expansion of its strategic IT security portfolio, aiming to double its current team through a combination of new hires and an in-house qualification programme. Boasting some 300 certified IT security experts, Bechtle today ranks among Germany's top three IT service providers in this segment. The increasing frequency and complexity of cyberattacks on companies of all shapes and sizes, as well as institutions of the public sector, have sent the demand for professional services soaring—in particular over the past few months. Bechtle provides customers with extensive know-how and end-to-end services from consulting to implementation all the way to operations, helping them to effectively prevent, detect and respond to cyberattacks.**

Bechtle is planning to expand its resources in the growing IT security market across the board. This includes cloud, application, data centre, infrastructure, perimeter and cybersecurity, but also data protection and information security, all of which are seeing a steady climb in demand.

"Our security experts are top notch and all of them are doing an excellent job, taking responsibility in a field that is highly critical for every business. However, our customers' fast-increasing need for IT security means that there is plenty of room for us to expand our resources in this growing market," says Michael Guschlbauer, COO, IT System House & Managed Services, Bechtle AG.

Bechtle has a vast community of security experts organised in 16 Competence Centres that are attached to the group's system houses in Germany, Austria and Switzerland. Altogether, the around 300 specialists hold more than 1,200 individual certifications spanning an extensive IT security product portfolio counting over 50 manufacturers.

In addition, Germany's Federal Office for Information Security (BSI) has certified Bechtle as an Advanced Persistent Threat (APT) Response service provider through a special qualification programme. This enables Bechtle to effectively support customers including critical infrastructure operators in fending off and managing attacks. As a security service provider, Bechtle is available to customers around the clock, 365 days a year.

There are currently over 200 vacancies at Bechtle sites in Germany, Austria and Switzerland, including for cybersecurity engineers, IT security consultants, IT cyber defence specialists and IT forensic specialists. In addition, Bechtle has developed a dedicated qualification programme within its own Bechtle Academy addressed at career jumpers and IT experts in other fields in order to meet the growing demand, and is also cooperating with universities to win new talent.

## ***Better Together: Logility and Parker Avery Group Announce Partnership***

30 August 2022

Logility, Inc. and The Parker Avery Group, a leading retail and consumer goods consulting firm, announced that they have formed a strategic partnership.

The partnership will enable organizations to gain value by leveraging the benefits and robust capabilities of the Logility® Digital Supply Chain Platform combined with Parker Avery's deep retail and consumer goods industry knowledge and comprehensive, proven approach to business transformation.

Both parties will work closely to fuel growth through supply chain transformation for global retail and consumer goods companies by helping them solve a series of business pain points to realize the value transformation of increased productivity, reduced costs, and greater efficiencies.

“We are very excited about this partnership. Our industry-leading digital supply chain platform, together with Parker Avery's vast retail and consumer goods supply chain business transformation experience, will provide clients with a powerful combination that delivers exceptional value and results,” says Allan Dow, president, Logility, Inc.

“We look forward to partnering with the Logility team in delivering innovative solutions to solve our joint clients' most elusive business challenges,” says Robert Kaufman, Parker Avery's CEO. “Our teams have worked together on prior implementations, and our combined approach focuses on the identification and enablement of industry-leading practices to jointly deliver meaningful operational improvements and ROI.”

## ***FARO Issues 1st Sustainability Report: Reaffirms Pledge to Reduce GHG Emissions 25% by 2025***

16 August 2022

FARO® Technologies, Inc, a global leader in 4D digital reality solutions, announced the release of the company's inaugural #Sustainability Report with a renewed commitment to reduce greenhouse gas emissions 25% by 2025. The report highlights the ways in which FARO already contributes to a sustainable future by pioneering numerous precision measurement and imaging tools along with cloud-based data-sharing platforms that enable customers to reduce rework, waste and scrap, while leveraging the advantages of digitalization and working virtually.

FARO is directing resources to research and innovation that centers on its data capture technology at the heart of its new applications and workflows. The goal is to boost efficiency and productivity, reduce error, and enable customers to collaborate and manage project progress without extraneous travel, material or time. These actions contribute to a significantly reduced carbon footprint across many industries, including architecture, construction, engineering, facility operations, manufacturing and public safety.

“As a global corporation with customers and suppliers worldwide, we are committed to sustainable business practices and the protection of the environment,” said Michael Burger, President & CEO. “Our mission and vision go together with ensuring a low-carbon future. We strive to unlock the full potential of the digitalization of the physical world for our customers and stakeholders, and we enable meaningful, differentiated value that fosters prosperity and protects the planet we share.”

In addition to investing in new development that drives operational waste-reducing solutions for customers, FARO is pursuing a continued consolidation of its physical footprint while encouraging a remote/flexible work employment model. Combined with smart product shipping, recycled plastic

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packaging, the exploration of 'green' travel options, and a facility energy management strategy, the company will continue to identify ways it can reduce its energy demand or switch to cleaner fuels.

“The world has been through a lot these last few years,” Burger added. “We navigate these uncertain waters by staying committed to our values: to think big and solve big problems, to support and exceed the expectations of our customers, and to embrace our shared #ESG responsibility to make a positive impact.”

## ***Kubota and Accenture Establish Joint Venture for a More Sustainable Society***

30 August 2022

Kubota Corporation and Accenture have formed a new joint venture company, Kubota Data Ground, Inc., to accelerate the digital transformation (DX) of the Kubota group’s business model and operating infrastructure. The new company will begin operations on September 1, 2022.

Kubota Data Ground will be a subsidiary with strategic capabilities in DX that it will use to further contribute to solutions for food, water, and environmental sustainability. In addition, the company will develop digital human resources and a cloud-based digital platform that will strengthen and upgrade existing businesses by connecting internal and external services and data.

The Kubota subsidiary will focus on promoting four key initiatives:

### **Creating Sustainability Solutions**

The company will collect and analyze data related to food, water, and the environment, using it to develop more efficient business processes and create sustainable solutions.

The company will apply IoT, AI, and cloud technologies to data on crops and farmland to improve overall productivity in agriculture. In addition, the company will aim to solve food-related challenges and create new added value for the entire chain, starting with farmers through to distributors and consumers.

The company will create solutions that improve efficiency and extend use-life for pipes, treatment plants, and other urban infrastructure. It will also look to improve disaster resilience with monitoring and management platforms capable of responding to conditions throughout the water supply ecosystem.

It will also create resource recovery solutions that collect and sort waste materials and recycle them into electricity, fertilizer, and valuable metals.

### **Promoting Business Transformation**

The company will use digital technology to enhance Kubota’s existing services, improve quality, and promote the efficiency and sophistication of its operations, including the development of an even safer working environment. As part of this initiative, the company will promote the establishment of smart factories that optimize efficiency and help prevent accidents by utilizing data collected from RFID tags and sensors on factory equipment, vehicles and from mobile applications distributed to workers. In addition, the company will build a digital twin, which is a virtual representation of product design, development, and manufacturing. At the global level, this will speed up data-based decision-making, standardize processes, promote automation, and save labor, realizing more intelligent operations.

### **Creating Digital Human Resources**

To promote DX, Kubota Data Ground aims to train approximately 1,000 DX specialists by the end of December 2024. This will include both highly specialized technical experts and those focused on business operations. In addition, the company will hold digital workshops for senior management and

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educational programs for all Kubota employees to raise digital literacy across the group. Workshops covering business operations will focus on internal and external DX case studies, providing a practical curriculum that will lead to real-world solutions.

## **Building a Cloud-Based Digital Transformation Platform**

To realize the data-driven and flexible management needed for further global expansion, Kubota Data Ground will build a cloud-based DX platform to accumulate and share internal and external data, including up-to-the-minute information on weather, crop growth, and yields. The platform will be built on Microsoft Azure. In addition, Kubota will strengthen IT governance at its 66 global sites, improve its global security risk detection system, and provide training for overseas security personnel to achieve a higher level of security globally.

Yuichi Kitao, president and representative director of Kubota Corporation, said, “Since its foundation, Kubota has been working to solve social issues related to the essential needs of food, water, and the environment. In recent years, food and water shortages, climate change, and other global issues have been presenting increasingly complex and diverse challenges.

These challenges require holistic solutions that leverage digital technology. As part of its commitment to being a platform provider that supports life, the well-being of society, and a sustainable environment, Kubota will take on the challenge of contributing to these solutions while still achieving business growth. With this joint venture with Accenture at the lead, we will accelerate the development of new solutions, strengthen our business foundation, and continually create corporate value.”

Atsushi Egawa, who leads Accenture’s business in Japan, said, “Our goal is to create 360° value for all our stakeholders — our clients, people, shareholders, partners, and communities. Kubota is a leader in addressing global issues in the areas of food, water, and the environment, so this joint venture embodies the combined ambition and philosophy of our two companies. Together we will continue to strive towards a sustainable society by fully leveraging our strengths, including the utilization of data, cloud, and AI, as well as the development of people who specialize in digital transformation.”

## **About Kubota Data Ground**

Name: Kubota Data Ground, Inc.

Location: 1-2-47 Shikitsu Higashi, Naniwa-ku, Osaka City

Establishment: September 2022

Main business:

- Develop, plan and execute digital strategies
- Plan, design, develop, operate, sell, manage and maintain information systems
- Design, develop and operate software, applications and infrastructure, etc.
- Provide education and training for human resource and capability development, as well as related consulting services
- Gather, analyze, and manage information, as well as information processing and provision of information
- All businesses related to the above
- Employees: Approximately 50

## ***Lloyd Adams Named President of SAP North America***

29 August 2022

Effective September 1, Lloyd Adams will oversee strategy, operations, people, sales, services and profitability across the United States and Canada for SAP SE.

“Over the last 24 years, whether in senior sales roles or leading the development of marketing strategies for the company, Lloyd has played an integral role in the transformation of SAP in North America,” said Scott Russell, Executive Board Member, Customer Success, SAP. “He has built a reputation for being a champion of high-performance culture, an advocate for inclusivity across our workforce and a catalyst for innovation in support of our customers’ success. We are confident his appointment will be pivotal to the continued growth and acceleration of SAP’s long-term success.”

Since joining SAP in 1998, Adams’ career has included a progression of presales, inside sales and marketing leadership roles in the United States and the Asia-Pacific region. Previously, Adams served as managing director of the East region of the United States, responsible for the strategic direction, customer success, profitability and overall leadership of one of SAP North America’s key market units. The region covers all lines of business, including cloud and on-premise software as well as service and support to hundreds of customers, from small businesses to large corporations across a multitude of industries.

“Over the last two years, our team in North America came together and focused on building out the portfolio of solutions and tools our customers needed to make the crucial move to the cloud. We are proud to have been instrumental to so many on their journeys to become best-run businesses,” said Adams. “With so much global uncertainty, customers are turning to us now more than ever to help overcome the challenges they face, from sustainability to supply chain resilience and business model transformation. Driving our customers’ ongoing success remains the top priority for our team here in North America and our partner ecosystem.”

Adams succeeds DJ Paoni, who held the position of president of SAP North America for five years, substantially growing the business, the customer roster and the sales team. In August 2022, after 26 years with SAP, Paoni made the decision to retire.

## ***Mastercam’s Manufacturing Day Celebration Welcomes Local Students***

19 August 2022

CNC Software, LLC, developer of the CAD/CAM software Mastercam, will host a Manufacturing Day® event October 7, 2022, at its 671 Old Post Road, Tolland, Connecticut facility. The celebration will cater to students interested in manufacturing and acts as a showcase for opportunities within the industry.

According to the Connecticut Business & Industry Association (CBIA), manufacturing within Connecticut employs more than 153,000 people and adds almost \$30 billion to the state’s annual GDP. However, nearly 20% of the workforce is nearing retirement age, and the manufacturing sector is still growing. The 2021 Survey of Connecticut Manufacturing Workforce Needs found that 55% of surveyed companies had difficulty finding workers, 1% had trouble retaining them, and 32% were challenged by both finding and retaining employees.

Attendees at CNC Software’s Manufacturing Day event will be shown how to start their careers in manufacturing. A panel with representatives from various departments within the company will speak to students about their jobs and backgrounds and answer questions. Students will attend a “Design then

Cut” demonstration that follows the process of designing a part within Mastercam all the way to cutting the part with a CNC machine. The students also can get a close-up look at the University of Connecticut’s Formula SAE car, an example of student-led design and engineering. In their downtime, the students can grab pizza and have a chance to interact with each other and members of the SAE team to ask any questions about the program.

Manufacturing Day was started by Fabricators and Manufacturers Association, International® in 2012 as a national endeavor to change the public’s view of modern manufacturing and to provide a platform for manufacturers to communicate their challenges and triumphs. Now, The Manufacturing Institute, the workforce and education partner of the National Association of Manufacturers, produces Manufacturing Day and invites manufacturing companies to join them in celebrating manufacturing throughout the month of October. The occasion allows organizations to describe careers in modern manufacturing while addressing the skilled labor shortage.

## ***SAP Announces Dominik Asam as New CFO***

31 August 2022

SAP SE announced that the SAP Supervisory Board has appointed Dominik Asam as CFO and member of the Executive Board of SAP SE.

Asam will start on March 7, 2023 and comes to SAP from his current role as CFO and member of the Executive Committee at Airbus.

“Dominik Asam is a well-rounded and experienced leader in global finance and technology, and with that the right person to continue powering SAP’s successful cloud transformation,” said Hasso Plattner, Chairman of the Supervisory Board of SAP SE, noting Asam’s experience in senior roles at Goldman Sachs, Siemens and Infineon in addition to Airbus. “I take this opportunity to once again thank Luka Mucic for his 26 years of dedication and service to SAP, for laying the strong foundation upon which Dominik will build, and for his leadership in ensuring a seamless transition.”

As previously announced, Luka Mucic will remain a member of the SAP SE Executive Board until March 31, 2023.

Dominik Asam joined Airbus in April 2019 from Munich-based Infineon Technologies AG, where he had been CFO since 2011. At Airbus, Asam helped steer the firm through the COVID-19 pandemic while driving business transformation and innovation.

Dominik Asam also serves on the Supervisory Board of Bertelsmann.

He holds a Master’s in Business Administration from INSEAD and is a graduate in Mechanical Engineering from the Technical University of Munich and the École Centrale Paris.

“On behalf of the entire company and Executive Board, I warmly welcome Dominik Asam to the team,” said Christian Klein, CEO of SAP SE. “The breadth and depth of his expertise in global finance and technology aligns perfectly to SAP’s strategy and portfolio, as we continue innovating in the cloud to bring sustainability to the center of business, make supply chains more resilient, and future-proof our customers around the world.”

“I’m thrilled to join SAP, the world leader in enterprise cloud solutions,” said Dominik Asam. “I have long been an SAP customer and I know firsthand the unique value of the company’s technology for powering customer innovation, transformation and success. I look forward to working with my new colleagues on the Board and throughout the company to continue driving SAP’s ongoing success.”

## ***Trimble Sets Ambitious Climate Goals for Reducing Greenhouse Gas Emissions in Line with a Net-Zero Future***

31 August 2022

Trimble announced its commitment to reduce greenhouse gas emissions in line with the ambitious goals of the Paris Agreement and a net-zero future to keep global temperature increase to 1.5°C . Trimble received approval of its emissions reduction targets by the **Science Based Targets initiative** (SBTi), a coalition of the CDP, the United Nations Global Compact, World Resources Institute and the World Wide Fund for Nature, joining a growing number of companies taking urgent action on climate change.

“Taking decisive climate action is essential to protect our planet and communities for future generations. It also demonstrates Trimble’s commitment to our purpose—to transform the way the world works as well as transform the way “we” work,” said Rob Painter, president and CEO, Trimble.

“For decades, Trimble solutions have contributed to reducing greenhouse gas emissions and combating climate change,” continued Painter. “The nature of Trimble’s technologies, which connect the physical and digital worlds, provides efficiencies and promotes sustainability in our end markets such as construction, agriculture, forestry, utilities and transportation. Our leadership team is committed to further reducing our carbon footprint as well as continuing to develop solutions that enable our customers to reduce their climate impacts—it is an important lever in our Connect and Scale strategy. Trimble is dedicated to do its part to help protect and build a better world.”

Trimble’s science-based targets accelerate decarbonization across its value chain, and include the following commitments:

- Reduce absolute scope 1 and 2 greenhouse gas emissions 50 percent by 2030 from a 2019 base year
- Achieve 100 percent annual sourcing of renewable electricity by 2025
- Reduce absolute scope 3 greenhouse gas emissions from fuel and energy related activities, business travel and upstream transportation and distribution 50 percent by 2030 from a 2019 base year
- Commit to partner with 70 percent of its suppliers by emissions covering purchased goods and services and capital goods to set science-based targets by 2026.

This decade is considered the decisive decade for climate change. As part of answering this urgent call to action, Trimble has joined forces with other companies and climate leaders in the **Business Ambition for 1.5°C campaign**, the **We Mean Business Coalition** and the **Race to Zero Campaign**.

"Setting ambitious yet achievable climate targets are part of our commitment to reducing Trimble’s carbon footprint," said Leah Lambertson, senior vice president and head of Sustainability, Trimble. "Embedding our climate action goals into Trimble’s operational choices will help ensure that our decision making and growth plans are consistent with our low-carbon vision. Today's commitments are important steps in our journey to delivering growth in a responsible and sustainable way to achieve a net-zero future."

### **Trimble’s 2021 Sustainability Report**

Trimble also announced the release of its **2021 Sustainability Report**. Built around the company’s mission of transforming the way the world works, the report features how Trimble is helping to create a better future for our planet and the communities we serve.

The report summarizes its initiatives and performance across Environmental, Social and Governance

(ESG) topics, highlighting the company's sustainability approach; end-user industry solutions; community philanthropy through its Trimble Foundation Fund; employee engagement and development as well as Diversity, Equity and Inclusion (DEI) initiatives; and governance.

## Event News

### ***Autodesk to Present at Upcoming Investor Conferences***

25 August 2022

Autodesk, Inc. announced its executives will be speaking at the following investor conferences:

August 31, 2022	Deutsche Bank 2022 Technology Conference
September 8, 2022	Citi 2022 Global Technology Conference

A live webcast and replay of the presentations will be available through Autodesk's Investor Relations Website at [investors.autodesk.com](https://investors.autodesk.com). Please go to the Website 15 minutes early to register, download and install any necessary software. For more information, please call Autodesk Investor Relations at 415-507-6373.

### ***CGTech to Demonstrate VERICUT 9.3, Optimization and Machine Connectivity at IMTS 2022***

23 August 2022

CGTech will attend the International Manufacturing Technology Show (IMTS) 2022 from September 12 – 17 at McCormick Place in Chicago, Illinois at booth #133340. The CGTech team will be demonstrating the latest release of their simulation software, VERICUT 9.3, which boasts enhancements and new features to the core software to create “smarter,” more efficient manufacturing processes. VERICUT is the industry standard in simulating CNC machining to detect errors, potential collisions, and areas for improvement. The software operates independently, but also integrates with all leading CAM systems.

Throughout the event, the CGTech team will give demonstrations of their industry leading solutions for verification, simulation and optimization of NC programs, including the latest features available in VERICUT 9.3 such as the Tool Performance Database and Machining Optimization Data in Tool Manager, and other improvements to VERICUT's core functionality.

In collaboration with Okuma and Sandvik Coromant, visitors can see the effects of VERICUT's Force optimization module in CGTech's booth and watch the part machined live at Okuma's booth #338500.

Users can view live demos of the new CNC Machine Connect module developed in partnership with Scytec in booth #133240. Scytec's DataXchange software pulls data directly from machines on the shop floor to improve VERICUT's simulation and verify that setup information matches prior to running a part for the first time.

“We see the huge gains that companies make when they embrace the concept of using machine data as part of their daily routine,” says Josh Davids, President of Scytec. “Combining machine connectivity and data with VERICUT truly brings the value of machine monitoring and digital twin technology to a new level, which is unmatched in the manufacturing industry.”

CGTech is also partnering with ICAM to offer a bundle on ICAM's adaptive post-processor with a VERICUT Machine Configuration (VMC). Customers can fully utilize and protect their machines faster and at a reduced cost as a benefit of this partnership.

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CGTech's Director of Product Management, Gene Granata, will be speaking during IMTS on Monday, September 12th at 11am in room W193-A. The presentation is titled **Facing the machinist Shortage: Adopting Technology to Fill the Experience Gap and Do More with Less**. The discussion will address the machinist shortage that many shops are facing and how adopting advances in technology and software can bridge the growing experience gap.

IMTS 2022 is the largest and longest-running industry trade show in the Western Hemisphere. Creators, builders, sellers, and drivers of manufacturing technology are coming together to connect and inspire. Over 15,000 new machining technologies will be on display to solve challenges and improve efficiency throughout manufacturing.

## ***MachineWorks and Polygonica software libraries on display at IMTS***

30 August 2022

MachineWorks Ltd will be displaying the latest releases of the MachineWorks SDK for CNC Simulation and Polygonica mesh modelling SDK for additive manufacturing at IMTS, September 12th – 17th, Chicago.

This is the ninth time MachineWorks Ltd has exhibited at IMTS and it is also the first time the company has not exhibited in the Controls & CAD/CAM area of the exhibition. Instead the MachineWorks booth is located in the Additive Manufacturing area. Long-standing MachineWorks' customers may rest assured this change of location is more a consequence of booking late as any change in strategic thinking.

The **MachineWorks 8.4** release contains a range of new functionality useful for optimising non-graphical verification of toolpaths, including computation of safe tool-holder profiles and faster collision calculations through collision-check buffering. More details can be found on [the MachineWorks website](#).

Previews of the upcoming **Polygonica 3.2** release will also be available, including:

- Deformation compensation for Additive Manufacturing
- 3D Medial Axis (mid-surface) computation
- Mesh-mesh registration for accurate alignment
- Preservation of small features during remeshing

The MachineWorks and Polygonica teams will be available throughout the show for demonstrations and to discuss your requirements in detail. Please feel free to drop by our booth, located at level three of the West Building, [stand number 433029](#), or contact MachineWorks via our websites or LinkedIn to arrange a meeting time.

## ***Procore Announces Drew Brees, Fred Mills and Robin Roberts as Keynote Speakers at Groundbreak 2022***

29 August 2022

[Procore Technologies, Inc.](#), a leading global provider of construction management software, announced championship-winning quarterback Drew Brees as the third keynote speaker at [Groundbreak](#) 2022. Each year, the leading construction technology conference brings together industry professionals from around the world to discover, learn, and innovate. For the first time since 2019, Groundbreak 2022 will take place in person, in New Orleans November 7-9.

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Brees is the former 2009 Super Bowl MVP-winning quarterback for the New Orleans.

Saints. He has been elected to 13 Pro Bowls while being named 2004 Comeback Player of the Year, 2006 All-Pro Team, 2006 Walter Payton NFL Man of the Year, 2008 and 2011 NFL Offensive Player of the Year, and Super Bowl XLIV Champion and MVP. At Groundbreak, Brees will discuss how his experience and achievements in professional sports demonstrates that success is driven by teamwork.

“With over 20 years of professional experience on and off the field, I have a vast understanding of what it takes to work with others to succeed at the highest level of sports,” said Drew Brees. “I am excited to be speaking at Groundbreak this year to shed light on how collaborative partnerships can lead to more favorable outcomes and increased innovation.”

Groundbreak attendees can also enjoy two other engaging keynote speeches from Fred Mills, founder of [The BIM](#), and Robin Roberts, co-host of Good Morning America. During Mills’ address, he will speak to the critical task of attracting the best and brightest minds to our industry. Roberts’ keynote will illustrate how overcoming adversity was crucial to unlocking her path to success.

The conference will kick off with an opening product keynote hosted by Procore Founder, President and CEO, Tooley Courtemanche, and SVP of Product, Wyatt Jenkins. Alongside Procore customers and Procore product leaders, Courtemanche and Jenkins will share the company’s vision for the future of construction.

In addition to learning about new Procore product announcements and Procore’s growing Partner Ecosystem, attendees will walk away with actionable insights into construction’s biggest challenges. The [2022 Groundbreak agenda](#) features more than 70 sessions designed to help attendees grow their skill set, team, and bottom line. Breakout session topics range from leading safety practices, workforce development, sustainability, industry advancement, to emerging technologies.

Groundbreak will also highlight the [Groundbreaker Awards](#), a celebration of the individuals, projects, and companies that impact and drive progress in the construction industry. This year, Procore is honoring excellence in construction across nine categories with winners announced during Groundbreak.

“Every year, Groundbreak offers attendees the opportunity to exchange ideas, learn new skills, and innovate alongside other industry heavy-hitters and Groundbreakers,” said Tooley Courtemanche, Founder, President and CEO of Procore. “We are thrilled to be back in person this year and welcome a community of industry experts, thought leaders, seasoned professionals, Procore executives, and keynote speakers to inspire new ways of sharing knowledge and to be at the forefront of innovation in construction.”

[Register for Groundbreak 2022](#) today and join thousands of industry peers and leaders to get inspired to shape the future of construction.

## ***The Agiloft Summit: The Premier Contract Management Industry Event Returns In January 2023 To Las Vegas***

29 August 2022

Agiloft announced the return of The Agiloft Summit, the premier customer contact management industry event, scheduled for January 24-26, 2023, in Las Vegas at the newly opened Virgin Hotel. With a theme of “Limitless,” this ground-breaking contract management summit is a world stage for the contract glitterati to gather to advance the profession and share best practices on shattering expectations for what contract professionals can do to enhance the future of their operations.

“In 2019, The Agiloft Summit put a stake in the ground both for Agiloft and the CLM industry, and

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we're thrilled to bring back our customer, prospect, and partner event. It's bigger, bolder, and truly where the industry gathers to advance the profession," said Agiloft CEO Eric Laughlin. "The CLM market has continued to explode in growth as companies worldwide realize CLM saves an average of 9.2% of revenue a year by optimizing contract performance and making it easy for the data formerly trapped in contracts to flow throughout organizations where it can truly help businesses grow."

At the three-day event, attendees will not only be able to attend sessions with the world's top contract analysts, contract management thought leaders, and Agiloft executives, but also share best practices with leading contract professionals from legal, sales, and procurement. Also, day one of the Agiloft Summit will mark the return of Agiloft University LIVE, providing one-on-one and classroom training on CLM technology best practices.

News of the upcoming Agiloft Summit comes on the heels of a string of recent news from the company, including the expansion of its leadership team with high-growth tech veterans CMO Kerry Desberg, CTO John Pechacek, and General Counsel Laura Richardson. The company also recently announced the Agiloft Connected Experiences Platform, the industry's most powerful integration platform that offers unparalleled ability for users to manage contracts in the tools they want, flow contract data to the systems they need, and connect easily to their organizations' centralized governance systems.

To learn more about The Agiloft Summit, click [here](#). To see how Agiloft can help transform your contract management process and save an average of 9.2% of revenue a year, click [here](#).

## Financial News

### ***Blackline Safety Announces Fiscal Third Quarter 2022 Financial Results Conference Call***

1 September 2022

Blackline Safety Corp. ("**Blackline**" or the "**Company**"), a global leader in connected safety technology, announced it will release fiscal third quarter 2022 financial results before market opens on Wednesday, September 14, 2022. Management will host a conference call and webcast to discuss the Company's financial results at 11:00 am ET the same day.

#### **Blackline Safety Corp. Fiscal Third Quarter 2022 Financial Results Conference Call**

**When: Wednesday, September 14<sup>th</sup>, 2022**

**Time: 11:00 am ET**

**Webcast Link:** <http://gowebcasting.com/12014>

**Dial-in Instructions:** Please dial in 5-10 minutes prior to the scheduled start time and ask to join the Blackline Safety Corp. earnings conference call.

- Canada/USA Toll Free: +1-800-319-4610
- Toronto Toll: +1-416-915-3239
- International Toll: +1-604-638-5340

A replay will be available after 2:00 PM ET on September 14<sup>th</sup>, 2022 through October 14<sup>th</sup>, 2022 by dialing +1-800-319-6413 and entering access code 9294.

## ***Hewlett Packard Enterprise reports fiscal 2022 third quarter results***

30 August 2022

Hewlett Packard Enterprise announced financial results for the third quarter, ended July 31, 2022.

“Our continued innovation and focus on execution resulted in revenue and profit growth, which are particularly noteworthy in such a dynamic market. Our growth in recurring revenue this fiscal year is evidence of customers’ strong response to our HPE GreenLake platform,” said Antonio Neri, president, and CEO of Hewlett Packard Enterprise. “Customers continue to prioritize investments in IT and are finding HPE’s industry-leading edge-to-cloud portfolio to be particularly relevant in today’s complex macroeconomic environment, where technology innovation is critical to accelerate business transformation and deliver important business outcomes.”

“We executed well in Q3, delivering revenue above our guidance while growing backlog sequentially to another record level,” said Tarek Robbiati, EVP and CFO of Hewlett Packard Enterprise. “We are also pleased with the expansion of our gross margins despite the inflationary headwinds and challenged supply environment. We are driving operating leverage expansion through strong pricing discipline and shifting our mix towards higher-margin, software-rich offerings through the HPE GreenLake platform.”

### **Third Quarter Fiscal Year 2022 Results**

**Net revenue** of \$7.0 billion, up 1% and 4% adjusted for currency<sup>1</sup> from the prior-year period, above Q3 guidance.

**Annualized revenue run-rate (“ARR”)**<sup>3</sup> of \$858 million, up 22% and 28% adjusted for currency<sup>1</sup> from the prior-year period and total as-a-Service orders<sup>4</sup> were up 39% from the prior-year period, and up 86% year-to-date. We remain confident in delivering our 2021 Securities Analyst Meeting ARR guidance of 35%-45% Compounded Annual Growth Rate from fiscal year 2021 to fiscal year 2024.

**GAAP gross margin** of 34.5%, flat from the prior-year period and up 210 basis points sequentially, and non-GAAP gross margin of 34.7%, flat from the prior-year period and up 50 basis points sequentially, driven by favorable mix shift and strategic pricing actions.

**GAAP diluted net EPS** was \$0.31, up 7% from the prior-year period and up 63% sequentially.

Hewlett Packard Enterprise announced in June that the company would proceed with an orderly, managed exit of its remaining business in Russia and Belarus. During the third quarter of 2022, we recorded an additional pre-tax charge of \$36 million related to our exit.

**Non-GAAP diluted net EPS** was \$0.48, up 2% from the prior-year period and up 9% sequentially. Third quarter non-GAAP net earnings and non-GAAP diluted net EPS exclude after-tax adjustments of \$220 million and \$0.17 per diluted share, respectively, primarily for transformation costs, stock-based compensation expense, and the amortization of intangible assets.

**Cash flow from operations** of \$1.3 billion, up \$124 million from the prior-year period.

**Free cash flow** of \$587 million, up \$61 million from the prior-year period.

**Capital returns to shareholders** of \$353 million in the form of share repurchases and dividends.

### **Segment Results**

- Intelligent Edge revenue was \$941 million, up 8% from the prior-year period in actual dollars and 12% when adjusted for currency, with 16.5% operating profit margin, compared to 16.1% in the prior-year period. Aruba Services revenue was up double-digits from the prior-year period and Intelligent Edge as-a-Service ARR<sup>3</sup> was up more than 60% from the prior-year period.

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- High Performance Computing & Artificial Intelligence (“HPC & AI”) revenue was \$830 million, up 12% from the prior-year period in actual dollars and 15% when adjusted for currency, with 3.4% operating profit margin, compared to 3.8% from the prior-year period. HPC market share expanded to 39% and includes four of the global top 10 supercomputers.
- Compute revenue was \$3.0 billion, down 3% from the prior-year period in actual dollars and down 1% when adjusted for currency, with 13.3% operating profit margin, compared to 11.2% from the prior-year period. Margin expansion was driven by strategic pricing actions, more than offsetting input cost increases.
- Storage revenue was \$1.2 billion, down 2% from the prior-year period in actual dollars and up 1% when adjusted for currency, with 14.7% operating profit margin, compared to 15.1% from the prior-year period, and up 210 basis points sequentially, with favorable mix shift.
- Financial Services revenue was \$817 million, down 3% from the prior-year period in actual dollars and up 1% when adjusted for currency, with 11.8% operating profit margin, compared to 11.1% from the prior-year period. Net portfolio assets of approximately \$12.6 billion, down 4% from the prior-year period or up 2% when adjusted for currency. Return on equity was 19.5%, up 1.3 points from the prior-year period, and well above the target set at SAM 2021.

## **Dividend**

Board of Directors has declared a regular cash dividend of \$0.12 per share on the company’s common stock, payable on October 7, 2022, to stockholders of record as of the close of business on September 12, 2022.

## **Fiscal 2022 fourth quarter outlook:**

Hewlett Packard Enterprise GAAP diluted net EPS to be in the range of \$0.32 to \$0.40 and non-GAAP diluted net EPS to be in the range of \$0.52 to \$0.60. Fiscal 2022 fourth quarter non-GAAP diluted net EPS excludes after-tax adjustments of \$0.20 per diluted share, primarily related to transformation costs, stock-based compensation expense and the amortization of intangible assets.

## **Fiscal 2022 outlook:**

Hewlett Packard Enterprise GAAP diluted net EPS outlook of \$1.20 - \$1.28 and FY22 non-GAAP diluted net EPS outlook of \$1.96 to \$2.04. Fiscal 2022 non-GAAP diluted net EPS excludes after-tax adjustments of \$0.76 per diluted share, primarily related to transformation costs, stock-based compensation expense, the amortization of intangible assets, and exiting from Russia and Belarus.

Free cash flow<sup>2</sup> guidance of \$1.7 to \$1.9 billion, due to exiting our Russia and Belarus business, and unfavorable currency movements.

Download the Q3 FY22 earnings infographic [here](#).

## Implementation Investments

### ***ACME Group Selects Aspen Technology to Drive Operational Excellence at its First Green Hydrogen and Green Ammonia Pilot Plant***

31 August 2022

Aspen Technology, Inc., a global leader in industrial software, announced that ACME Group, a renewable energy company in India, has selected AspenTech’s Performance Engineering solution to optimize assets and achieve operational excellence at its first green hydrogen and green ammonia pilot plant worldwide. Based in Bikaner Rajasthan, this solar plant can produce green hydrogen with 5MWp

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(Megawatt peak), with the ability to scale up to 10MWp, which can reduce CO<sub>2</sub> by up to 4,400 tons/annum. ACME Group is also developing a global scale green hydrogen and green ammonia plant in Duqm, Oman, as well as having announced plans to invest in a similar plant in Karnataka, India.

Amit Sharma, Vice President Engineering, ACME Group said: “ACME Group has chosen AspenTech’s Performance Engineering solution to design the hydrolysis process at its green hydrogen and green ammonia pilot plant and to subsequently optimize the process configuration for large scale green ammonia plants. AspenTech was able to showcase strong modeling capabilities with sample models in green hydrogen leveraging Aspen Plus®. With domain expertise in capital-intensive process industries, AspenTech is the ideal partner in our pursuit of operational excellence to stay ahead of industry trends.”

Lawrence Ng, Vice President of Sales, Asia Pacific Japan, Aspen Technology, added: “We are pleased that ACME Group has chosen to partner with AspenTech at its inaugural green hydrogen and green ammonia pilot plant. In response to the need to meet both the increasing demand for resources and critical sustainability goals, this partnership underscores a deep commitment from both companies at the forefront of driving innovation to meet this dual challenge. India is recognized as a key player in renewable energy, and AspenTech is proud to be a part of this global movement towards a more sustainable planet.”

## ***CGS Expands Latin America Footprint with Addition of New BlueCherry® Shop Floor Control Customers***

31 August 2022

CGS, a global provider of business applications, enterprise learning and outsourcing services, announced the continued success of its aggressive expansion efforts with new BlueCherry® Shop Floor Control customers in the Latin America region.

The company adds **Confetex** – an international textile manufacturer and premium manufacturer of denim products for leading brands such as Levi Strauss & Co., Ariat, and OGGI jeans – headquartered in Puebla, Mexico; **Personal Brands (PB) Group** – a Mexico-based, luxury menswear start-up; and **Diltex Brands** – a 70-year-old leader in women’s fashion, based in Naucalpan de Juárez, México – to its roster of leading brands and manufacturers in the region. The new Shop Floor Control customers bolster the company’s aggressive growth plans and acquisition of new customers across all of Latin America – a rapidly emerging hotbed for apparel manufacturing.

“Confetex prides itself on being a technology-driven manufacturer – digitalization of our entire operation ensures we can deliver the highest-quality product in the most efficient and environmentally-friendly manner possible,” said Fernando Galan, CEO for Confetex. “Not only did we find BlueCherry Shop Floor Control to be the ideal solution, but once we met with their implementation and customer success teams, the decision was easy! We look forward to a long and successful relationship with the CGS BlueCherry team.”

“We did a deep analysis of the leading solutions in the market for production floor modernization, and we found BlueCherry Shop Floor Control and the greater CGS organization to be the best solution, along with the most dedicated, ambitious, and ethical team in the industry, both in the United States and Mexico,” said Gerardo Morera, CEO for PB Group. “We are eager to implement Shop Floor Control and have high expectations for its long-lasting impact on the business.”

According to a recent report by Nicole Bivens Collinson from international trade law firm Sandler, Travis and Rosenberg (ST&R), brands are looking at rebalancing their sourcing to ensure they are not “overexposed” in one geographical area; are considering a “hub and spoke” sourcing model to

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manufacture in geographical proximity to the target market; are looking at vertical manufacturing locations either as an individual country or as a close geographical region of countries; are looking at sustainable production to meet growing consumer demands; and are looking at nearshoring suppliers as it helps to meet several of the sourcing restructuring objectives.

“Over the past few years, a myriad of recent economic and political factors, especially in regard to China, have had significant impact on the fashion, apparel and home goods industries,” said Paul Magel, President, Application Solutions Division for CGS. “With customers in Europe, Africa, the Middle East, and Central America, international expansion has always been key to our leadership position in the industry – so we are well poised to capitalize on the burgeoning Latin America market as major brands shift production to countries closer to their North American stores and base of operations.”

Industry analysts see continued increases in apparel sales as U.S. buyers engage in near sourcing and seek competitive places such as Mexico, which is only 24 hours away by truck. For Mexico specifically, shipments are trending to hit \$7 billion by late 2022.

## ***Community Fibre Selects TCS HOBS™ to Transform its Operations and Drive Future Growth***

29 August 2022

Tata Consultancy Services (TCS) announced that Community Fibre, London’s largest and fastest 100% full fibre broadband provider, has selected the TCS HOBS™ platform to help modernise its business operations, enhance its agility and support future growth.

Community Fibre delivers affordable 100% full fibre broadband to residents, businesses, and communities across the capital. The network operator and Internet Service Provider (ISP) has announced an ambitious growth target, to serve more than half of the 3.7 million homes in the city by the end of 2024.

The ISP partnered with TCS to simplify operations, sales, and billing processes using the TCS HOBS plug-and-play digital business platform. The SaaS-based, catalogue-driven platform is expected to improve the ideation and creation of new product and service bundles, as well as partner offerings. Its intuitive user interface will help empower Community Fibre’s business teams to launch new products more rapidly and will be driven by a seamless, zero-touch rollout across the business.

TCS HOBS is based on a future-proof, microservices and Open API-based architecture, which will help Community Fibre leverage partner ecosystems to venture into B2B2X models.

**Chris Williams, CIO, Community Fibre**, said: “Community Fibre will launch new digital services with superior innovation and a much-improved time to market for our customers across all lines of business, helping to maintain our 4.9 ‘Excellent’ Trust Pilot score and 96% 5-star reviews (August). The partnership with TCS HOBS is central to the success of that strategy.”

“TCS is a strategic partner to Community Fibre in its mission to bring faster internet services to more homes in the UK. Leveraging TCS HOBS and its future-proof agile architecture, we will help them reduce complexities, speed up product innovation, improve customer experience, and support its growth aspirations,” said **Kamal Bhadada, President, TCS Interactive**.

With over two decades of consulting and technology experience with communications, media and technology companies, TCS provides consulting and domain services and solutions powered by its strategic investments in products and platforms and its Co-innovation Network (COIN™). TCS helps clients build a digital core using technologies such as cloud, IoT, data, agile and AI; create new business

models driven by innovation and integration of best practices across industries; and harness the power of ecosystems, to transform customer experience and drive growth.

## ***Demand Management Systems Drives a Healthier Supply Chain for PharmaCare Laboratories***

1 September 2022

Demand Management Systems., (DMS), a leading global resource for Logility's cloud-based digital supply chain management solutions, today announced its client PharmaCare Laboratories will upgrade to the latest generation of the Logility Digital Supply Chain Platform, helping them to support strategic, operational and tactical supply chain initiatives with preeminent planning capabilities.

Australian and family owned, PharmaCare is the largest private, consumer health, wellness and consumer goods company in the country. Their brands can be found in thousands of pharmacies, supermarkets, department and variety stores across 40 countries worldwide, including in Australia, Asia, America and Europe. To better manage its increasingly global and complex network, PharmaCare went to market to look for a solution that would enable its teams to plan demand and supply, collaborate, and manage inventory within a single platform.

"To successfully manage our many brands and the markets we serve, it is critical for our teams all over the world to be operating together in one easy-to-use platform," said Howard Biggs, General Manager – Ops, Supply Chain, Warehousing and Distribution, PharmaCare. "The Logility Platform positions us to better streamline our supply chain efforts globally and ensure we can successfully plan for whatever the future has in store."

The Logility SaaS platform supports the speed of today's business by enabling supply chain professionals to leverage real-time analytics and power a more digital supply chain network. The solution combines artificial intelligence (AI) and advanced analytics to automate planning, accelerate cycle times, increase precision, improve operating performance, break down business silos and deliver greater visibility.

"When you have over a dozen product lines in high demand across the world, supply chain planning and real-time visibility become crucial to keeping your network up and moving," said Bill Harrison, president, Demand Management, Inc. "We value our continued partnership with PharmaCare as they enter this next stage of their growth journey and look forward to what's next for this beloved Australian-built brand."

## ***Divergent Technologies secures its AM-based business model by signing a long-term service level agreement for the entire SLM® NXG XII 600 fleet***

30 August 2022

SLM Solutions Group AG ("SLM Solutions", "SLM" or the "Company") is collaborating with Divergent, a global leader in economical mass production of complex structures in the automotive and defense industries company drives forward. Divergent Technologies' end-to-end digital production system for design, manufacturing and assembly, DAPS™, harnesses the power of additive manufacturing to unleash innovation in the automotive industry, making vehicles lighter, more energy efficient and less capital-intensive to produce. Divergent Technologies and SLM have been working together as development partners since 2017.

In recent years, the LPBF-based AM industry has shifted from research activities and single-part

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production to a serial production environment. In order to be able to adequately support this industry, SLM Solutions has defined a new type of Service Level Agreement (SLA), which is based on a guaranteed technical availability of the NXG XII 600 machines and the other machine portfolios from SLM.

Divergent Technologies and SLM Solutions have signed an availability based SLA covering all 6 NXG XII 600 plants and ensuring machine availability with a dedicated field service engineer on site. Kevin Czinger, Founder and CEO of Divergent Technologies, comments: "After years of intensive joint development that made serial production possible, we have now secured the production commitment for our NXG XII 600 fleet by signing this Service Level Agreement." Gerhard Bierleutgeb, Chief Operating Officer of SLM Solutions, emphasizes: "The NXG XII 600 is designed for series production of highly complex applications as well as for printing large parts. It is therefore of the utmost importance to offer our customers a comprehensive service, which allows them to use the machine according to their needs. There are no idle printers here."

The NXG XII 600 is a state-of-the-art system that is ideal for the industrial series production of complex components. It features twelve 1000-watt lasers and the industry's largest build volume of 600 x 600 x 600 mm<sup>3</sup>, enabling the production of large components that previously could not be manufactured.

The first manufacturing effort by Divergent Technologies will involve the production of thousands of complex, auto-assembled structures to be put on the road over the next two years. Following this, Divergent Technologies will expand its advanced facilities specifically designed for sustainable production with DAPS™, including "factory-less" vehicle manufacturing, which will begin with the fully homologated Czinger Vehicles 21C hypercar.

## ***EagleView Announces Next Project to Help State of Wyoming Simplify Assessment with Imagery and Change Detection***

24 August 2022

**EagleView**, a leading technology provider of aerial imagery, data analytics and GIS solutions, announced the continuation of a state-wide contract with the Wyoming Department of Revenue (WYDOR) to deliver high-resolution imagery and change detection solutions throughout the state.

The new project will capture nearly 12,000 square miles of 2 and 6-inch imagery. The contract also includes 285,000 parcels of ChangeFinder™, EagleView's proprietary artificial intelligence tool that streamlines assessment by automatically identifying properties which have seen year-over-year change. WYDOR and EagleView refined the existing contract to reduce cost per unit, allowing the state to receive an added 1,500 square miles of coverage at no additional cost.

"EagleView's imagery and CONNECT software allows the assessors to allocate resources more effectively and save time on fewer field visits with data they can access from their desk," said Brian Judkins, administrator of the Wyoming Department of Revenue Property Tax Division. "During the height of the pandemic, this allowed staff to continue performing their jobs safely by minimizing interaction with the public."

"Capturing imagery at the state level for all counties to use, potentially across all departments, maximizes the benefit for us," said Brenda Henson, Director of the Wyoming Department of Revenue. "To me, there's no question that the safety, efficiency and accuracy we gain is worth the investment."

Several counties, including Albany, Fremont, Laramie, Teton, Johnson, and Park have elected to purchase further capture of areas not covered by the state contract, some of which are being funded using American Rescue Plan Act (ARPA) funds. Laramie County has also added **3D mesh**

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**data** to their imagery, allowing the county to use geo-referenced 3D Mesh layers through various 3D mapping applications for urban planning, asset management, emergency response planning, tax assessment and more.

“EagleView is proud to continue serving the State of Wyoming and its 23 counties,” said Robert Locke, President of Government Solutions, EagleView. “Our aerial imagery covers 94 percent of the U.S. population. Combined with our ChangeFinder™ solution, EagleView helps counties provide fair and equitable valuations while keeping assessors safe and ensuring accurate property records.”

## ***FCM Bank Malta taps DXC Technology and Temenos Platform for Core Banking System Modernization***

30 August 2022

DXC Technology, a leading Fortune 500 global technology services company, has partnered with solution provider Temenos, to lead the digital transformation of critical IT architecture for FCM Bank, one of Malta’s leading providers of savings and fixed-term products.

Drawing on DXC’s expertise in banking and capital markets, and industry leading software from Temenos, FCM Bank has replaced its legacy core banking system with a modern digital platform to support its growth strategy. The new system went live in June 2022, with DXC supporting the migration of FCM Bank’s apps, offerings and customers from the legacy systems to the new Temenos platform.

By moving to the new open and agile platform, FCM Bank will benefit from improved protection from cyber security threats, faster time to market for new products and services, and an overall improvement in efficiency. The Temenos platform also provides functionality for transaction processing, payments, financial crime mitigation and data analytics.

FCM Bank’s new core banking solution was built to anticipate the current and future expansion plans of the bank and its parent company SAB Financial Group. It leverages Temenos open platform for banking with functionality for retail and corporate accounts, deposits, lending and payments. DXC and Temenos’ enterprise banking experts worked together to deliver the transformation, utilising expertise from Luxoft, a DXC company and one of the leading Temenos System Integration practices globally.

“A successful bank needs to be fast and flexible in addressing the needs of its clients. FCM Bank collaborated with DXC Technology to deliver and implement the Temenos banking platform, which the bank considers to be the best in the industry,” said Marcel Homolka, CEO at FCM Bank Limited. “We are also launching a new internet banking system that is up-to-date, intuitive and easy to use.”

“DXC has over 45 years of experience in the banking and capital markets sector managing over 250 million customer deposit accounts and 275 million cards for leading banks globally, " said Andrew Haigh, Head of Banking and Capital Markets EMEA, DXC Technology. "Building on this experience, DXC is proud to partner with FCM Bank in this exciting new chapter of growth.”

“We are delighted to see FCM Bank complete its core banking modernization, moving from legacy systems to a modern, agile, open platform. This successful go-live is a major milestone in the bank’s digital transformation. With the Temenos platform, FCM Bank will benefit from rapid time-to-market for new products and banking services to deliver innovative solutions for its customers today and well into the future,” added Philip Barnett, President of Strategic Growth, Temenos.

## ***L&T Technology Services wins 5-year deal from BMW Group in infotainment domain***

29 August 2022

L&T Technology Services Limited, a leading global pure-play engineering services company, announced that it has won a 5-year, multi-million-dollar deal from European luxury vehicle maker BMW Group to provide high end engineering services for the company's suite of infotainment consoles targeted for its family of hybrid vehicles.

The large deal was awarded to LTTS because of its deep domain expertise and engineering leadership in transportation technologies and LTTS' proven ability to offer unique opportunities to scale up existing projects and work on new ones. The LTTS team of engineers will be providing services in the areas of software build and integration, infotainment validation and defect management.

LTTS has an existing Near Shore Center which provides engineering and R&D services for BMW Group's suite of infotainment consoles and its family of hybrid electric vehicles. The proximity to BMW Group's campus will enable LTTS' engineers to work on a variety of solutions and offer services in real time.

*"This latest deal win is a testament to LTTS' long-standing expertise in the automotive engineering services domain. Our transportation engineering services are enabling leading OEMs to build innovative and sustainable vehicles and achieve faster time to market using new age digital technologies. We are delighted to strengthen our existing engagement with BMW Group and are fully committed to deploying our digital engineering capabilities and assist with the launch of their new family of hybrid vehicles,"* **said Abhishek Sinha, Chief Operating Officer and Board Member, L&T Technology Services.**

## ***Regloplas Lifts its Pioneering Spirit to the Cloud***

30 August 2022

Infor®, the industry cloud company, announced that Switzerland-based Regloplas AG has migrated to the cloud. The temperature control solutions market leader has gone live with Infor CloudSuite Industrial Enterprise as well as Infor CPQ in the multi-tenant cloud. Regloplas deployed a future-proof ERP (enterprise resource planning) infrastructure to enable scalable, digitized manufacturing processes. Implementation and customer support during the project were provided by Infor's leading partners in the DACH region for Infor CloudSuite Industrial Enterprise, AS infotrack AG and AZTEKA Consulting GmbH.

Based in St. Gallen, Switzerland, Regloplas is a leading supplier of intelligent temperature control solutions with an extensive portfolio of temperature control and cooling equipment of all kinds, primarily deployed for manufacturing operations. With a market presence in 50 countries, Regloplas has earned its excellent reputation on the market not least due to its strong focus on research and development, making the organization a global technological leader in its field.

In the past few years in particular, Regloplas has achieved strong business growth. This led to a host of completely new requirements for production and the value chain, which then had to be adapted to the new market environment — not least because an expansion of the St. Gallen headquarters was pending. As a result, a new ERP infrastructure was needed that could meet the new challenges and provide Regloplas with easy-to-scale, digital manufacturing. And for this, Infor is exactly the right partner for Regloplas.

Infor CloudSuite Industrial Enterprise is specifically tailored to the needs of manufacturers and offers a

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complete solution package for ERP in the multi-tenant cloud. Infor CPQ configure price quote has become a critical business solution for Regioplus, with the capability to enable Regioplus to offer its customers highly customizable products. Since the go-live, more than 8 million configuration variants are now available for customers to select.

"We want to expand our pioneering role in Industry 4.0 even further and digitize our manufacturing in a highly scalable way," says Christian Eckert, CEO of Regioplus AG. "And in Infor, we have found the perfect partner, who, with their CloudSuite, can provide us with the ideal technological underpinning for this."

"Regioplus is an undefeated market leader in its field," says Frederic Russo, Infor's senior vice president of international sales & head of business operations. "Research and development play an important role for the company and, therefore, we are even more pleased to provide our solutions to a manufacturer that focuses so strongly on the sustainable digitization of its business."

## ***Siemens and Nissan collaborate to digitalize production lines for new crossover electric vehicle Ariya***

30 August 2022

Siemens, a leading supplier in the field of automation and industrial software, cooperates with Nissan to build production lines for the new all-electric crossover Nissan Ariya at the company's plant in Tochigi, Japan. Both companies build on their long-standing cooperation. Nissan had already been using the Siemens Digital Industries software portfolio to optimize design and production. End-to-end digital threads enable Nissan to connect a wide variety of sources of information across product lifecycle management (PLM) platforms.

"The successful launch of the new production lines is a milestone in the collaboration of the two companies," says Cedrik Neike, Member of the Managing Board of Siemens AG and CEO Digital Industries CEO. "Climate change and stringent environmental regulations are powerful drivers for the development of electrified powertrains. We will bring in all of our cutting-edge technologies to this collaboration to enable a highly flexible, efficient and sustainable automotive production."

"At our Nissan Intelligent Factory in Tochigi, we are building the future of mobility. It enables us to not only improve the work environment but also to realize a zero-emission production system. To digitalize our new electric vehicle production line, we chose to work with Siemens, our innovation partner and one of the leading companies in industrial automation and digitalization, because they have the necessary expertise in this area," says Teiji Hirata, Corporate vice president, Vehicle Production Engineering and Development Division at Nissan Motor Co., Ltd.

The system architecture of Nissan's newly developed electric powertrain aims to standardize the processing and assembly of the powertrain. It includes Siemens' safety PLC Simatic S7-1500, ET200SP distributed I/O module as Siemens One Single Solution (OSS). Profinet creates end-to-end communication from the field to the management level, and the engineering framework TIA Portal has also fully integrated all automation devices. This enables complete access to the entire digitalized automation process, from digital planning to integrated engineering and transparent operation. More intelligent automobiles require more and high-performing Electronic Control Units (ECUs) in the vehicle – as is the case in the new Nissan Ariya. The Siemens diagnostic commissioning system Sidis Pro, which has already been deployed in many automobile companies around the world, is implemented at Nissan's new production line for data writing into ECU and verifying automotive electric components. Sidis Pro is the advanced vehicle diagnosis and inspection data management system that

provides optimal support for inspection processes to enable quality of car production. Sidis Pro manages a wide range of data with server functions, contributing to the digitization of production lines. It enables maximum flexibility in automotive production as it is easily modifiable depends on the production plan, and the changes can be adapted quickly. The same software can be used for different applications, enabling system standardization and ensuring that fewer resources perform for more tasks even at other production sites.

Siemens continues to support Nissan in digitalizing and electrifying the production facilities and contribute to the realization of Nissan Intelligent Factory vision.

### ***Steel Authority of India expands adoption of HPE GreenLake to increase productivity, enhance agility and reduce energy consumption***

25 August 2022

Hewlett Packard Enterprise announced that Steel Authority of India Limited (SAIL), the country's largest steel producer, selected the HPE GreenLake edge-to-cloud platform for its Bokaro Steel Plant (BSL) to modernize its critical SAP environment, accelerate its digital transformation agenda and reduce its environmental footprint.

SAIL is an Indian government-owned steel agency, and its Bokaro Steel Plant is currently undergoing a massive modernization and digital transformation drive under the leadership of the Director In-charge, Mr. Amarendu Prakash. Over the last 12 years the demands on its mission-critical ERP environment have increased as the business required new applications and functionality but now many of the systems are nearing end of life and were difficult to upgrade. Consequently, BSL required a significant refresh to maintain business continuity and enhance its service levels to the business and its user base.

SAIL explored multiple options and they finally selected HPE GreenLake for its Bokaro Steel Plant to support the modernization initiative and migration of its ERP Landscape to the new platform. With this latest implementation, SAIL expects to increase user productivity, reduce turnaround times for new initiatives, and improve operational efficiency.

“We selected the HPE GreenLake platform to accelerate our digital transformation journey and modernize our technology environment,” said Amarendu Prakash, Director in-Charge of SAIL Bokaro Steel Plant. “We are now more agile and can respond more quickly to our business demands. We have also improved our capacity utilization rates and reduced our datacenter footprint by over 60% meaning that we now also consume less power which should help us reach our sustainability goals.”

The HPE GreenLake edge-to-cloud platform will provide a unified on-premises cloud experience, with capacity available on demand and granular consumption-based pricing. It gives SAIL Bokaro Steel Plant a dashboard to monitor and plan consumption of IT to provide complete visibility of IT resources to improve capacity planning and forecasting and therefore the team can now, allocate resources more effectively and make more informed decisions.

“We are honored that SAIL BSL has also chosen HPE GreenLake to modernize their technology environment,” said Som Satsangi, Managing Director, Hewlett Packard Enterprise, India. “Our fully managed HPE GreenLake platform provides infrastructure, software, and services that enable automation, control, flexibility, exceptional experience, and a positive commercial advantage.”

## ***Style Union Set to Meet Faster Time to Market Goals with Centric PLM™***

30 August 2022

Style Union, the Indian direct-to-consumer fashion retailer has successfully implemented 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.

Style Union is a modern fashion retailer based in India which sells womenswear, menswear, kidswear and accessories online and across its own stores.

Ekta Biyani, Co-founder of Style Union, explains why the company sought a single platform for all product-related data and processes, "As Style Union grows rapidly, it is vital that we streamline sourcing and information sharing with all our vendors. We believe PLM will help us to achieve this, whilst improving the productivity of employees and eliminating administrative tasks."

Centric PLM stood out during Style Union's selection process, "Centric is working with the world's best fashion brands and retailers, and their new features are always created hand-in-hand with their customer's needs. We trust that we will benefit from the latest innovations without any effort or additional costs," says Biyani.

Style Union selected Centric PLM and deployed in just 12 weeks. Sankat Mochan, Head of Supply Chain at Style Union describes the process, "The Centric implementation team were fantastic. Their extensive knowledge and experience meant the whole process was smooth, and we never felt rushed at any stage."

Since onboarding Centric PLM, Style Union continues to expand rapidly, and the retailer has plans to open a new store almost every week during the current financial year. With Centric's scalable, digital foundation in place, the company is able to provide a strong foundation for this growth and empower teams to navigate challenges including inflation, rise in fabric costs and demand uncertainty.

As well as store expansion, Style Union also aims to optimize inventory turnover and in order to achieve this, the company needs visibility into product development. "The window to sell products in-store is very limited, so we wanted to remove any bottlenecks which would slow down product development. With Centric PLM, we can harness data in real-time to create and develop new products quicker. We will be able to achieve better product delivery with every season," says Mochan.

"Centric PLM connects buying, sourcing, designing, merchandising, supply chain and vendors in one place so the communication is clear and information is accurate. You can see the progress of each product and take action when necessary," adds Alok Dharadhar, Head of Planning at Style Union.

"We are proud to partner with Style Union and empower them to reach growth ambitions whilst overcoming market challenges," comments Chris Groves, President and CEO of Centric Software.

"With Centric PLM, Style Union will be able to offer customers the products they want, in a short time frame."

## Product News

### ***Announcing the core Capital™ software and Capital Essentials (formerly VeSys) 2207 release***

31 August 2022

Sarah Bartash of Siemens announced on the Siemens blog that they have rebranded VeSys to Capital™ software and Capital Essentials. To read more about the changes please visit the Siemens blog post:

<https://blogs.sw.siemens.com/ee-systems/2022/08/31/announcing-the-core-capital-software-and-capital-essentials-formerly-vesys-2207-release>

### ***ASCENT's New Autodesk Revit 2022: Fundamentals for Interior Design Guide Completes Autodesk 2022 Release Roadmap***

30 August 2022

ASCENT- Center for Technical Knowledge continues to meet the demand from Autodesk Training Centers, universities, corporations and individuals for improved learning content with its newest Revit title: *Autodesk Revit 2022: Fundamentals for Interior Design*.

Comprehensive and detailed, this learning guide provides interior designers with learning content for Revit that is uniquely tailored for them. The guide uses a multi-use building to take users through the interior design process to complete a project using Autodesk Revit. It also covers other topics that are particularly useful for interior designers, such as how to create and apply materials to elements and how to enhance a view and produce realistic renderings for your designs.

“With the addition of this new Interior Design guide, we now have a seventh Revit fundamentals-focused learning guide to round out our collection of guides for all Autodesk Revit users,” says Paul Burden, director of product development, ASCENT. “This guide joins our Revit Architecture, Structure, MEP, Residential Design, Project Managers, and Landscape Design learning guides. Autodesk Revit users and, in particular, instructors of the software, can find all the necessary learning content in ASCENT’s library of Revit titles, and feel confident knowing that each guide is written in a consistent format with plenty of hands-on exercises to reinforce the concepts taught.”

Highlights of topics covered within the 18 chapters include:

- Understanding building information modeling (BIM) and how it is applied in Autodesk Revit
- Working with basic sketching and modifying tools to create accurate interior design models
- Starting an interior design project, which includes setting up levels and creating plan views
- Creating materials and applying them to elements in a project
- Creating and displaying design options for a project
- Rendering views that include materials, lighting and other enhancements
- Setting up sheets, annotating views and creating interior design details

## ***BCF Manager Release***

29 August 2022

*Modernized for more productivity* – that is what we are trying to achieve at BIMcollab. We are always working towards delivering the best possible solutions to your BIM needs. For that reason, we are happy to present to you, our newest releases!

### **BCF Manager**

In this release, the user interface has been fully renewed and modernized not only visually (like support for avatars and comment cards) but also to support quick editing of issues without opening a dialog. In Revit a smart Zoom-to has been introduced to make sure performance is top-notch by automatically adapting the Zoom-to from camera only to full viewpoint recovery based on model-size and the power of the user's computer.

### **BIMcollab Installer for Windows**

We packed all BCF Manager into one installer where users can install and manage their BCF Managers in a simpler manner. For example, updating BCF Managers in all Revit and Navisworks versions on your Windows system in one click.

## ***BIM Plugin: New version available for Allplan, Archicad, AutoCAD, AVEVA E3D Design, BricsCAD, Revit, Tekla & Vectorworks***

30 August 2022

### **Manufacturer-verified BIM and CAD objects seamlessly integrated into the target system**

The latest version of the popular BIMcatalogs.net Plugin is here: CADENAS updated the Universal Plugin for Allplan 2022, Archicad® 25, AutoCAD® 2023, BricsCAD® V22, Tekla 2021, Revit® 2023, Vectorworks® 2022 as well as as well as the separate Plugin for AVEVA E3D Design (Version 2.1 or higher). It offers architects and designers a huge selection of manufacturer-verified component models for free download from architecture and mechanical engineering directly in their trusted software environment, making time-consuming imports of product geometries a thing of the past.

Prior to installation, the user selects the appropriate content to download. There is a choice of BIM or mechanical engineering catalogs or the complete package to download. Once the installation is completed, the plugin and its features are conveniently located in the toolbar of the target system. Users can now quickly find the required component, configure it and load it directly into their design. After the transfer to the target system, the plugin generates the desired object in real time, including optimized file size and full usability. The component can then be positioned with the mouse cursor using the functions of the CAD system.

### **Manufacturer updates in real time, OpenBIM compatibility, choice of different LOG**

Much of the BIM data supports different Level of Geometry (LOG), allowing the user to easily switch between them during the design process. The BIMcatalogs.net plugin is also consistently linked to the original manufacturer data so that products receive verified manufacturer updates. In addition, the plugin provides OpenBIM compatibility at product level with full content for Allplan, AutoCAD, ArchiCAD, AVEVA E3D Design, BricsCAD, Revit and Vectorworks, so users can easily switch between the systems.

## ***BIMsmith and Bavis Fabacraft Partner to Provide BIM Tools for Building Professionals***

30 August 2022

Bavis Fabacraft, a leading manufacturer of drive-thru and walk-up equipment products for the building industry, and BIMsmith, the leading building product research platform for building professionals, have partnered to provide a new suite of Building Information Modeling (BIM) resources to the architecture and design community.

The partnership involves the creation of digital product models for Bavis Fabacraft. The new digital assets are custom-built to operate within Autodesk Revit, the leading BIM software platform.

Representing key physical and performance data, the new models are pivotal to equipping architects, engineers, and other professionals to design with products by Bavis Fabacraft in their BIM projects.

As a result of the partnership, the Bavis Fabacraft BIM Library is also now available to architects and designers worldwide on BIMsmith Market, the leading platform for building professionals to perform product research and download Revit families.

“Through enhanced security and reliability, our products allow our customers to extract more value from their drive-thru,” said Larry Sumpter, CEO at Bavis Fabacraft. “Our BIM resources on BIMsmith will further equip architects and contractors to identify and evaluate the solutions they need.”

“Bavis Fabacraft provides building professionals with innovative solutions that improve the safety of workers and staff,” said Benjamin Glunz, CEO of BIMsmith. “We are thrilled to add Bavis Fabacraft to the BIMsmith platform and allow architects to creatively incorporate Bavis Fabacraft’s products into their projects.”

## ***Bricsys 24/7 Embeds Automated Document Management Workflow with Cooperlink CONNECT***

30 August 2022

Global provider of design and collaboration solutions, Bricsys, part of Hexagon, announced its partnership with web application platform Cooperlink CONNECT. Bricsys 24/7 users will be able to automatically upload, record and archive documents in real-time from Microsoft SharePoint to Bricsys 24/7, reducing the time spent manually saving files and re-encoding metadata.

This collaborative two-way integration provides a 100% digitised and automated coordination of information: from the classification and exchange of documents to the validation of technical sheets.

Ideal for users working on large construction projects from design to handover of the as-built files, the business-oriented platform enables better collaboration among contractors, owners, architects, and engineering teams thanks to uniform data accessible in one central place. This eliminates the risk of project fragmentation, miscommunication and errors that are costly and time-consuming to fix.

Real-time validation tracks changes made to work-in-progress data. Full transparency across teams allows users to catch any issues when manipulating data across disconnected systems in early development cycles from SharePoint to Bricsys 24/7. The integration also takes care of API updates, file synchronisation and guarantees predictive prices.

Rahul Kejriwal, CEO of Bricsys, says: “Both software complement each other perfectly. Cooperlink CONNECT enables a real-time 2-way integration between Bricsys® 24/7 and Microsoft SharePoint (and OneDrive) or a file server. Through synergies and a significant expansion of know-how, we can offer

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*our customers a broader knowledge management solution and guide our users through their digital transformation journeys”.*

Axel Palmaers, CEO of Cooperlink says: *'The ability of our technologies to combine is extremely beneficial to construction projects, and we are excited to work with Bricsys in this partnership. Avoiding silos of information is increasingly important to our customers to enable better collaboration among departments, uniform data access in the whole organization and to reduce the costs of errors resulting from discrepancies between disconnected systems.'*

Set up rapidly, Cooperlink CONNECT is available to a growing number of worldwide Bricsys 24/7 customers, no matter their role.

## **CCTech Releases Autonomous HVAC CFD**

30 August 2022

The Centre for Computational Technologies (CCTech) is thrilled to announce the commercial release of Autonomous HVAC CFD. The app had one of the most extensive beta testing programs, where hundreds of HVAC engineers worldwide volunteered to test the app with various build spaces and solve their real-world problems.

For the HVAC engineer, thermal comfort and indoor air quality are two inter-dependent metrics that rank highly in occupant complaints. Thermal comfort is highly dependent on architecture, enclosures and interior designs, contributing to solar/radiant loads, radiant asymmetry, humidity, drafts and stratification. Mechanical system types selected to compensate for their shortcomings will influence air velocity and relative humidity, and operative temperature. Indoor air quality is partly influenced by enclosure performance, contributing to moisture problems, interior finishes for VOC emissions, particle generation and occupants as a source of CO<sub>2</sub>, microbial and odors. Bad indoor air quality has many adverse health effects, including respiratory illnesses, heart disease and cancer.

To solve this problem, the simulationHub team at CCTech invested more than four years of research in developing AHC 2023, the world's most advanced indoor air quality prediction app. Powered by computational fluid dynamics and artificial intelligence technologies, AHC 2023 empowers indoor environmental consultants and HVAC professional engineers with a powerful tool for designing optimum HVAC solutions for their end customers. AHC 2023 can predict results in the early building design stage based on design inputs such as layout, enclosure specification, mechanical systems details, people occupying the space, date/time and activity. With AHC 2023, designers can now be confident that their HVAC designs will meet the needs of their customers.

"By helping HVAC professionals at the design stage, we can help them create more efficient, sustainable and cost-effective systems," said Sandip Jadhav, the CEO of CCTech. "This, in turn, benefits the billion people who occupy the spaces served by these systems, as they enjoy better indoor air quality and thermal comfort."

The AHC app is a cutting-edge solution for predicting occupant thermal comfort and IAQ. It is highly accurate, easy to use and fast. The app brings a revolutionary Pay As You Go pricing model to the industry, which means users pay only for how much credits they consume for a project. The AHC app does not require any CFD expertise and can be used by any HVAC professional. It's a browser-based WebApp and does not require any installation.

"There are a number of software tools that can help the design community; many programs are too costly, limited in scope, too complicated and/or clunky. What is needed are tools that are accessible to all and easy to use with outcomes that are useful in influencing projects at the design stage," says Robert

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Bean, Fellow ASHRAE, Director of Healthy Heating. “For a more thorough and dynamic understanding of environmental ergonomics, I have recently discovered the Autonomous HVAC CFD tool. The app converts the building model to a ‘CFD computational model’ and facilitates variable placement of occupants, furnishings and HVAC types for predicting compliance with ASHRAE Standard 55. It also does 3D cross-sectional thermal and airflow analysis. Several other outputs help evaluate design options influencing thermal comfort and air quality, enabling an energy-efficient HVAC system. I look forward to introducing this tool to students and practitioners as they solve many of the IEQ problems in buildings.”

Rohit Chavan, Head of the simulationHub platform, says, "Our vision is to democratize the world of HVAC simulations. For too long, this type of software has been out of reach for all but the few largest design and build engineering firms. Our new generation app is resolving these challenges effectively, becoming the world's largest indoor air quality data platform."

## ***Credit Key Now Available Through Xometry’s Digital Marketplace***

29 August 2022

**Credit Key announced it is offering its flexible payments solutions through Xometry’s AI-driven marketplace, which connects enterprise buyers with suppliers of manufacturing services nationwide.**

With Credit Key, enterprise customers, small businesses and entrepreneurs can tap into large lines of credit of up to \$50,000 instantly at the point of sale on Xometry. After a simple application process, approved buyers can procure parts immediately and pay for them in installments up to 12 months.

“Xometry is committed to helping connect buyers with critical manufacturing resources,” says Eric Allen, Chief Revenue Officer at Credit Key. “Combining that with Credit Key’s ability to offer these companies flexible ways to pay without jeopardizing their cash flow is a benefit for everyone.”

“Xometry is continuously expanding its basket of financial services to help buyers grow their businesses and bring products to market faster,” said Matt Leibel, Senior Vice President of Technology for Xometry. “Credit Key offers instant financing so buyers can continue to innovate, stay ahead of their competitors, and delight their customers.”

## ***Desktop Metal Announces Upgrades to its Popular Live Sinter™ Software, a Powerful Multi-Physics Simulation Tool that Delivers Trusted Results***

30 August 2022

Desktop Metal, Inc., a global leader in additive manufacturing technologies for mass production, announced significant updates to Live Sinter — a powerful multi-physics sinter simulation software application that automates the generation of sinter-ready, printable geometries, as well as supports, setters, and inserts, to make repeatable, volume production of high-precision end-use metal parts through binder jetting more accessible.

Launched in the fall of 2020, Live Sinter is now trusted by users at more than a hundred companies globally, and the software is a key enabler of Desktop Metal’s AM 2.0 binder jetting solutions, making them easier to adopt and ramp to production for customers without any prior powder metallurgy or sintering expertise.

Live Sinter’s powerful multi-physics simulation and compensation software delivers sinter-ready, printable geometries that maintain tight shape and dimensional tolerances. After scan-based adjustments,

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Live Sinter enables correcting for complex distortion effects, yielding parts that consistently fall well within 1% of target dimension with as low as +/- 0.3% deviation, avoiding distortion, warping, and other common sintering challenges, as well as the cost and time associated with supports or setters.

“Within the field of sinter-based additive manufacturing, Live Sinter stands alone for its ease of use and functionality,” said Ric Fulop, Founder and CEO of Desktop Metal. “No other solution offered today combines our powerful, rapid multi-physics simulation with scan-based adjustments and automated support and setter generation. Customers continue to report their absolute delight with this tool to us, and we look forward to continuing to invest in advancing Live Sinter to make sinter-based manufacturing accessible to an ever wider audience, including metal injection molding customers.”

## **A Key to Metal Printing Success**

Live Sinter is a critical companion to Desktop Metal’s portfolio of metal binder jetting systems, which produce parts that must be sintered in a furnace to fuse the particles into a high-density material.

Desktop Metal offers the broadest portfolio of metal binder jetting systems, including the Shop System, X-Series and Production System P-1 and P-50. Several of these systems include Desktop Metal’s furnace, which simplifies and reduces costs associated with the sintering process across a range of geometries and materials for businesses new to binder jetting. The Company’s printers support processing 30 metals across volume production, specific customer applications, or research and development.

The Shop System is now the world’s best-selling metal binder jet printer, and Live Sinter has been a critical component of that turnkey printer’s ease of use and success.

“One of my biggest worries investing in this technology was the furnace and the frustration of failing that far into the process during sintering. Using Live Sinter, I’m blown away at our success with the sintering furnace,” said Neil Glazebrook, Vice President of 3D Solutions at ABCorp in Boston. His company invested in a Shop System and Desktop Metal Furnace in 2021 for the production of 17-4PH stainless steel parts. The company had no prior sintering experience. “I don’t have to use sintering supports anymore, so I don’t have to charge for supports. I use Live Sinter for everything, and it makes it more competitive.”

“We’ve found Live Sinter to be an extremely valuable tool for FreeFORM. The ability to print, scan, adjust, reprint, etcetera, has reduced our lead time by helping us yield product in spec faster than a traditional trial and error loop. The ability of the software to predictively deform products prior to first manufacturing or to take first-off parts and make adjustments have resulted in our customers getting to market faster with product so they can move on to their next development,” said Chris Aiello, Co-Founder, FreeFORM Technologies of St. Marys, Pennsylvania. FreeFORM owns three Shop System printers, as well as a Production System P-1 and an InnoventX.

Sean Harkins, President, AmPd Labs, in Houston, Texas, owns a Shop System and says Live Sinter is an essential part of his company’s success with it. “We use it all the time now, and it’s a dramatic change. We simulate, print, scan and reprint and it comes out perfect,” he said.

## ***E3.series Improves the Digital Twin Creation Process for Driving Smart Manufacturing***

23 August 2022

Zuken announces the release of E3.series 2022, introducing enhancements to empower design teams to create digital twins with functional and manufacturing details captured in a single cutting-edge tool

suite. The enhancements to E3.series 2022 cover all areas of electrical design through to the manufacturing process, including: wire routing, data visualization, design rule checks, change management and much more.

“The digital twin facilitates the automation and control of production and assembly processes and is therefore an ideal way to address the shortage of qualified personnel among cabinet manufacturers and suppliers. Together with our partners in the Smart Cabinet Building initiative, we are committed to providing open, integration-enabled solutions for automated cabinet manufacturing and assembly. The digital twin provides the central hub for all automated production, assembly and testing processes,” explains Joachim Frank, Managing Director E3.series, Zuken E3 GmbH.

The latest release of E3.series includes more than 50 new features, enhancements, and tools to improve reliability, efficiency, and productivity. Cabinet design enhancements aim to improve the 3D visualization of parts and wires to simplify the assembly process. The cable and wire harness enhancements target improving design reuse and capturing additional manufacturing details. The overall usability enhancements focus on further simplifying the application to increase productivity, while improvements to active and passive design rule checks ensure design quality.

### **3D-Visualization**

E3.series 2022 introduces new 3D visualization options to view individual sections of a cabinet in 3D. The individual sheet 3D option is in addition to the visualization of all the cabinets in a project together. The new visualization options aim to empower manufacturing and assembly processes to visualize the cabinet design easily. Designers can design in 2D and get the result in 3D, eliminating overhead while still benefitting from the form, fit, and functional checks of 3D design.

### **Enhanced Busbar Handling in Cabinet Design**

Busbars have a new dedicated component type in the library and new functionality in the schematic and cabinet. New functions enable connecting directly to a busbar and placement on a busbar resulting in easier to manage busbar connectors, taps, and power distribution components that mount directly on the busbar. Representing the busbar in a 3D cabinet provides an accurate digital twin for downstream assembly and manufacturing.

### **Prefabricated Multicore Cable Assemblies and Wire Harnesses**

E3.series 2022 simplifies the handling of prefabricated multicore cables by treating them as assemblies with options to define connectivity in the parts library. These assemblies are made available in the project with predefined connectivity and physical characteristics. The option to lock the attributes of the multicore cables eliminates unintended alteration in the project. The added flexibility of defining one or more connections inside the assembly enables the creation of complex cables and wire harnesses.

### **Enhanced Wire Harness Diameter Calculations**

E3.series excels when it comes to accurately calculating the outer diameter of sections or bundles of a wire harness. In the 2022 release, enhancements include a sophisticated update to the packing algorithm, significantly reducing calculation time. Designers can now report the diameters of various segments in a wire harness using an always up-to-date display text without affecting the application performance.

### **Assign Sub-circuits to Any Component**

E3.series simplifies design modularization with the help of powerful and easy-to-use design reuse options. E3.series 2022 greatly enhances the design reuse process providing the ability to assign sub-circuits to any component. Designers can now choose between placing standardized design or symbols attached to a component.

## **Digital-first Workflow**

E3.series is the leading electrical design solution for cabinet, cable, wire harness, fluid, and power distribution design across all product categories. It enables multiple designers to seamlessly work on a project, automatically keeping data in sync with the help of its object-oriented design and intelligent central parts library. The tool suite also helps users eliminate errors and omissions with active and passive design rule checks. E3.series bridges the gap between automated assembly and manufacturing processes to allow a digital-first workflow from design to manufacturing, helping users get closer to a true digital twin.

## ***EagleView Launches EagleView Cloud, a More Powerful Imagery and Software Service***

1 September 2022

EagleView Technologies, Inc., a leading provider of aerial imagery and analytics, announced the launch of **EagleView Cloud**, a new aerial imagery and software service that helps users make informed and timely decisions.

Featuring the company's sharp oblique imagery, EagleView Cloud can be customized with different imagery resolutions, more frequent image delivery and extra visualization tools. EagleView Cloud is available now for government customers and will soon be available for commercial use in industries such as insurance.

"The world is constantly changing so we are seeing more governments and companies embracing agility and innovation," said Chris Jurasek, EagleView CEO. "EagleView Cloud delivers the imagery and software our customers need to see more and be more precise."

EagleView's high-resolution imagery, which includes both side angle (oblique) and top-down (orthogonal) views of properties, helps users see an aerial view of a region. With EagleView, users can generate insights about an area and use those insights to make important decisions.

"EagleView has always been an industry leader when it comes to developing new imagery products, and this is the next evolution," said John Garrish, Chief Product Officer, EagleView.

EagleView's imagery and software capabilities are trusted across a range of industries, including government, insurance, construction and solar. EagleView Cloud joins the company's other recent releases including enhanced exterior property measurements (**Walls, Windows & Doors and enhanced Walls**), end-to-end solar design software (**TrueDesign**) and a drone-powered insurance claims solution (**Assess**).

## ***GstarCAD 2023 Beta version is released!***

30 August 2022

We're glad to announce that GstarCAD 2023 Beta version is now available. The new release comes with new features and tools to boost efficiency and gives users an optimal drawing experience.

### **Enhancements--Improved drawing & editing experience**

GstarCAD 2023 offers better performance in terms of compatibility, user experience and speed.

#### **Greater compatibility**

1. Greater compatibility with ObjectARX APIs

GstarCAD 2023 GRX is compatible with AutoCAD ObjectARX APIs, programs can be successfully

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compiled, loaded and used without touching the code, saving your time and trouble in migrating applications developed with AutoCAD ObjectARX.

## 2. More AutoCAD-compatible

GstarCAD 2023 has added AI\_EDITCUSTFILE command to help users better add and edit command aliases in the popped up Program Parameters (PGP) file.

### **Enhanced Import & Export**

#### 1. Improved DWF Import:

Users can not only import DWF files, but also edit them after using EXPLODE or BURST to explode them.

#### 2. GstarCAD now supports SVG import & export

The SVG graphics are imported as a block that is editable after explosion or in Block Editor. Almost all kinds of objects in a drawing can be exported to a SVG file, and the exported SVG files are compatible with third-party tools and are displayed with accuracy.

### **There is more to explore**

GstarCAD 2023 also provides improved block editor, CUI editor, REVCLLOUD command, as well as display of Palettes, improving user experience and help you get things done in less time.

### **New Features- take your design to the next level**

#### **\* Small tools, big difference**

##### 1. New Navigation tool

The NaviCube is a navigation tool displayed as a clickable and draggable interface in 2D model space or 3D. Users can easily switch between standard and isometric views. Users can switch to one of the available preset views by clicking or dragging the NaviCube, roll the current view, or change to the Home view of the model.

##### 2. Monitor your system variables

Dealing with system variables properly can maximize your efficiency, now GstarCAD 2023 has a new tool to monitor as list of system variables and sends notifications when there are changes.

#### **\* Protect and sign your drawings**

##### 1. Guard your drawings with digital signatures

The digital signature feature of GstarCAD 2023 not only attach signatures to drawing files and display information about the digital signature, but also help users determine whether a digital signature is valid and if the signed file has been changed since it was signed.

##### 2. Lock your drawing with password

Users can password protect selected objects with LOCKUP command to prevent them from being modified or deleted.

#### **\* Debug lisp programs with Lisp Debugger**

Executing VLISP command in GstarCAD 2023 will launch Visual Studio Code from Microsoft TM as the Lisp Debugger., and users can edit and find lisp programs easily and get work done in less time.

### **Other New commands & functions you can't miss**

VPSYNC command in GstarCAD 2023 helps users align the views in adjacent viewport(s) with a

master layout viewport.

- \* With only one click, users can reset Settings to default in Windows Start menu.
- \* LAYOUTMERGE command helps merge specific layouts into a single layout.
- \* CLOSELINE command marks up unclosed endpoints on selected lines, polylines or arcs and close them.

## ***Hexagon and VI-grade accelerate zero-prototype automotive engineering with high-fidelity vehicle simulators***

25 August 2022

Hexagon's Manufacturing Intelligence division announced that its Adams Real Time multibody dynamics simulation software has been validated for operation on VI-grade Driving Simulators, enabling carmakers and tier one automotive suppliers to develop safe and desirable driver experiences efficiently, and without physical prototyping.

The automotive industry is under constant pressure to address rapidly evolving market demands with resource-constrained engineering environments. Rapid product development timelines are compounded by shrinking physical prototype budgets that necessitate greater use of simulation. Automotive engineers rely on Adams to build their virtual vehicle prototypes and its Adams Real Time Hardware-in-the-Loop (HIL) capabilities to bridge the gap with physical tests. The high-fidelity simulations they develop are used to evaluate their engineering decisions against ride, handling and durability targets to produce safe and comfortable cars.

A leading provider of driving simulator technology, VI-grade helps engineers accelerate automotive innovation by enabling physical testing of Computer Aided Engineering (CAE) models, without the need to manufacture prototypes of systems or vehicles. Adams Real Time is now recognised by its VI-Certified program, that includes only those third-party solutions that pass stringent tests for real-time reliability and safety. Hexagon has drawn on its many years of collaboration with VI-grade to bring high-fidelity physics to VI-grade's experiential driving platforms, making it easier to reproduce on-road experiences in the manufacturer's test facilities where engineers and focus groups improve future vehicles.

There are significant returns on investment for companies using Adams. The simulation models routinely created for vehicle dynamics and handling can now be used for the real-time testing and validation tasks performed on VI-grade simulators simply by applying Adams Real Time settings. Utilising a consistent, high-fidelity Adams vehicle model throughout the product development cycle delivers significant productivity gains, driving down costs and enabling engineering teams to improve the quality and performance of the end product.

Using Adams Real Time, users can now extend the use of their existing models directly into HIL or the Driver-in-the-Loop (DIL) testing and validation phases. Unlike other approaches, the topology and parametrics of the vehicle model are preserved when Adams Real Time is used in real-time applications, allowing engineers to explore different vehicle configurations and tune them seamlessly, and enabling stakeholders in adjacent departments to collaborate more effectively. Standardising on a single model throughout the product lifecycle also helps to eliminate unproductive and error-prone translations between different simulation software.

"The combination of VI-grade's simulator platform and high-fidelity Adams vehicle physics empowers our customers to leverage a common vehicle model for both their offline development and connected

real-time applications. This single-model development paradigm multiplies the productivity, cost reduction, and product performance value that Adams provides today to enable more reliable end-to-end processes and improve collaboration.” said Chris Baker, Head of System Dynamics software at Hexagon. “The VI-Certified program is a stamp of approval for the robustness, reliability, and accuracy of Adams Real Time, and Hexagon is proud to work with VI-grade to enable a future of zero prototypes.”

“We are excited to have Hexagon as part of the VI-Certified partner program,” said Tony Spagnuolo, VP of Business Development at VI-grade. “The program will reduce the integration burden on our customers by ensuring that the best of our third-party partner software tools work seamlessly on our simulators. Customers can be confident that we have validated the software they are looking to use on our simulators. They also have the assurance of regular product updates and dedicated customer support. Through our partnership, Hexagon and VI-grade are providing a valuable, time-saving solution that makes it easier for our customers to use virtual prototyping with confidence to save cost and get safe, compelling products to market on time.”

## ***iBASEt Transitions to ‘Cloud First’ Development Cycle with Launch of Solumina iSeries i070***

30 August 2022

iBASEt announced availability of the latest version of Solumina iSeries version i070, a critical update marking the company’s successful transition to a cloud-first development cycle. This is an important milestone in the company’s journey to deliver faster implementation and time to value.

The latest version of iSeries also features a host of industry-leading security features, including rigorous security testing based on OWASP Top 10 web application security risks to enable manufacturers to identify and patch vulnerabilities quickly.

“These new enhancements and upgrades reflect iBASEt’s ongoing commitment to help customers modernize legacy MES infrastructure, making it quicker and easier to realize value, savings and quality improvements in manufacturing operations,” said Sung Kim, CTO, iBASEt. “Solumina iSeries continues to be a strong foundation for manufacturers looking to grow their digital operations, and we remain focused on providing the very best solutions to meet that demand.”

Updates to iSeries i070 also feature a powerful and interactive UI, taking advantage of the latest technology to streamline manufacturing operations along the entire value chain and improve the user experience. This includes a reimagined Supplier Quality Inspection interface and corrective actions functionality, as well as the ability to create standalone inspection orders.

The new update allows users to move serialized units from one operation to another while restricting user work sign-on based on skill, and also features expanded business integration services (BIS) support by enhancing Item Disposition Service and Message and adding support for delivery schedules.

Solumina iSeries offers manufacturers and suppliers an affordable option to accelerate the adoption of new digital technologies that can quickly drive business value when deployed as a cloud-hosted, managed SaaS solution.

## ***IMS Software, ModuleWorks, and CNC Software Collaborate on G-Code Simulation***

1 September 2022

IMS Software, ModuleWorks and Mastercam have collaborated on the development of IMSce for Mastercam. The software solution extends the Mastercam machine simulation with G-code parsing and verification for diverse machine tools and controllers.

IMSce for Mastercam combines IMS G-code emulation with the ModuleWorks simulation and post processing technology to provide a G-code parsing solution that connects directly to Mastercam. The solution enables Mastercam users to simulate and verify G-code including controller variables, subprograms, expressions and canned cycles for a wide range of machine tools before the workpiece is mounted on the machine.

“There is big demand for G-code simulation and it’s great to see how the technologies of different companies are being combined to create value-adding solutions for the industry.”

**Julia Meyer-Hendricks**

**Head of Business Development - Digital Manufacturing at ModuleWorks**

“Integrated G-code simulation and verification is a major step forward in complex multi-axis machining, improving code quality and dramatically reducing overall programming time versus traditional standalone solutions.”

**Dan Wrenn**

**President/Co-founder at IMS Software**

“Mastercam is proud to partner with IMS Software and ModuleWorks. We are excited to work together with these industry leaders to offer G-code simulation running inside Mastercam for a wide range of machine tools and controls. As a result, Mastercam users can leverage digital twin technology to simulate and validate their CAM programs, particularly for multiaxis applications, prior to running on their CNC machines.”

**Stas Mylek**

**Partnership Program Manager at Mastercam**

## ***K-Compare and K-Display 4.1 Updates***

29 August 2022

Kubotek3D, a leading supply chain software provider, announced the 4.1 release of the Kubotek K-Compare and K-Display software products. This release provides updates to CAD file translators, user interface improvements, and several new functions.

### **Updated CAD Translators**

Reading of 3D CAD files across all 4.1 Kubotek interoperability software programs has been updated to support the latest versions of five major CAD file formats:

- Dassault Systemes CATIA V5 and V6 support for 2022(x)
- Siemens Digital Industries Software NX support for 2007 Series
- PTC Creo support for 9.0
- Autodesk Inventor support for 2023

### **K-Compare Enhancements**

The 4.1 release of K-Compare Validate has improved point-to-face compare capabilities to read from IGES files the entity name metadata from point entities. The point entity names are displayed in the tree

with paired graphical highlighting to aid users in identifying specific points with significant deviations from the model. Additionally, a simple pass/fail note has been added to the output in automated validation reports.

The K-Compare Revision product for 4.1 has a new function to create angular measurement annotations in report views from user selection of 2 planar edges or 4 planar positions on the model. The ability to adjust and organize differences in early versions of a report has also been enhanced. Reports with just a title page will now allow changes to the results tree.

## **K-Display Enhancements**

Kubotek 4.1 View and Convert products have a new function to automate the creation of a BOM table and balloon annotations from an assembly or set of solid bodies and their metadata. This capability helps users reviewing CAD data to quickly find part names and quantities. The semantic information available in the part tree for PMI annotation entities has also been expanded to list particulars such as tolerance values and datum text.

## ***Matterport Reinvents the Digital Twin with the Revolutionary Pro3 Camera and New Cloud Platform***

30 August 2022

Matterport, Inc. introduced the all-new Matterport Pro3 Camera along with major updates to its industry-leading digital twin cloud platform. The Pro3 is a breakthrough in 3D capture technology, ready to digitize every aspect of the physical world, indoors and outdoors. Matterport's next-generation digital twin platform builds on the company's groundbreaking immersive virtual experiences to enable advanced workgroup collaboration and productivity, delivering cost savings and revenue growth for organizations of all sizes, from small businesses to global enterprises.

These new offerings arrive as global demand for digital twins – visually immersive, interactive 3D models of buildings and spaces – continues to rise. Forrester Research reports 55% of global software technology decision makers are already adopting digital twins. As an industry leader, Matterport saw 52% growth in total subscribers in the second quarter compared to the year ago period, and already serves 23% of the Fortune 1000 with its digital twin platform.

"Today marks a pivotal breakthrough in 3D technology with the introduction of the most powerful products Matterport has ever created," said RJ Pittman, Chairman and Chief Executive Officer, Matterport. "Our new Pro3 camera and cloud platform create some of the world's most accurate, immersive, and stunning digital twins. The opportunity has never been greater for companies to embrace the power of Matterport digital twins to transform their business."

## **Matterport for Enterprise**

Digital twins empower business leaders to confidently navigate an uncertain economic environment while accelerating the productivity of a mobile and remote-first workforce; 79% of business leaders cite cost savings and 71% point to operational efficiencies as the key drivers of their digital twin investments. It's why the new Pro3 camera and cloud platform were built for the demands of enterprises with scalability, reliability, and security at the core, making Matterport's digital twin platform one of the most trusted in the industry.

The new Pro3 camera and cloud platform advancements make it easier than ever for customers to create immersive digital twins. Customers across sectors – factories, retailers, hotels and airlines – report digital twins have reduced project times by 30% and cut travel expenses by up to 50% through greater remote collaboration. One commercial real estate customer reported closing sales up to 85% faster.

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Hospitality customers find bookings and occupancy rates increase 14% for properties with a digital twin. The benefits aren't just for large enterprises – real estate agents using digital twins win up to 74% more listings and 71% of residential buyers say they would buy a home sight unseen if it had a 3D digital tour.

## The Matterport Digital Twin Platform

Matterport has reimaged the cloud software platform that creates, publishes, and manages digital twins of buildings and spaces of any size or shape, indoors or outdoors. All of these new capabilities integrate seamlessly so customers can securely create immersive environments for their employees, customers and partners to collaborate and explore.

- Maximize productivity from a single digital twin with a new workgroup collaboration framework called **Views**, to enable groups and large organizations to create separate, permissions-based workflows to manage different tasks with different teams such as: virtual inspections, remote training, space planning, personalized virtual tours, and so much more.
- Increase customer engagement, productivity and sales conversions with all-new **Guided Tours and Tags** to elevate the visitor experience. Now marketing and sales teams can create directed virtual tours of any commercial or residential space tailored to the interests of their visitors, and operations teams can create guided virtual training courses for remote workers.
- Go further with **Matterport Capture Services**, now supercharged with the new Pro3 camera to get the highest quality professional digital twin from an on-demand capture technician in major cities around the world. **Capture Services for Enterprise** can now digitize a single space to a portfolio of thousands of buildings, indoors and out. From retail chains to hotel property groups and corporate campuses – it has never been easier to get a dimensionally accurate, photorealistic Matterport digital twin to manage properties online.
- Take the entire Matterport platform wherever you go with a fully enabled mobile solution that brings together capture, customization, view, edit, publish and restore capabilities to digital twins with the new **Matterport App** for iOS and Android devices.

## The Matterport Pro3 Camera

The Matterport Pro3 Camera is the most advanced Matterport 3D capture device with a powerful combination of sensors working in harmony to create stunning images, both indoors and outdoors. No other camera combines the incredible power of this device at this price point, making 3D capture more widely accessible.

With a custom 20 megapixel sensor and 12-element lens covering an ultra-wide angle, the Pro3 camera produces accurate, detailed digital twins in brilliant, life-like color. Breakthroughs in the high-precision LiDAR sensor enable the capture of millions of measurements in various conditions, from dim light to direct sunlight, up to a range of 100 meters at less than 20 seconds per sweep.

The Pro3 camera revolutionizes 3D capture, setting new standards for speed, fidelity, versatility and accuracy. Where interactive mesh previously had a 50k polygon limit, it is now unlimited and the mesh for large spaces can easily exceed one million polygons. New digital twins are now streamed on demand as the user moves through a space, available on mobile and web platforms for all users for faster load times, quicker frame rates, and much more detail without compromising performance.

Matterport's Cortex AI engine is upgraded to capture 5x higher range, enabling customers to transform their interior and exterior spaces, even when encountering difficult foliage, lighting and reflective surfaces. The combined power of the new Matterport Digital Twin platform, Pro3 and upgraded Cortex

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AI result in some of the most accurate, immersive and stunning digital twins ever created.

“The Pro3 camera reflects years of advanced R&D and listening closely to our customers. The result is a breakthrough in 3D capture technology,” said Lou Marzano, Vice President of R&D and Manufacturing. “The demands of the digital-first industry push our product standards to new levels, making precision, range, and mobility critical to our customers’ success. We put all of this together into a portable device that achieves a new threshold for price-to-performance of commercial LiDAR capture. Some of our largest enterprise customers have already put Pro3 to the test – capturing large outdoor venues from stadiums to campuses with speed and accuracy never before seen. Like the Pro1 and Pro2 that came before it, the Pro3 camera is in a class by itself and I am so proud of the team behind yet another industry first.”

With a striking new design that’s uniquely Matterport, Pro3 is packed with groundbreaking features including:

- Custom built 20 megapixel sensor and 12-element lens for ultra-wide capture of large spaces
- Captures 100k points per second at depths ranging from 0.5m to 100m
- High-precision LiDAR sensor for unparalleled precision in various light conditions
- Camera boot time of less than 40 seconds
- Removable battery packs for continuous scanning, batteries fully recharge in 3.5 hours
- Weighing under five pounds, Pro3 is 30% smaller and 35% lighter than the Pro2 camera
- New tripod mount engineered for Pro3 and new cases for maximum portability and protection

## **Pricing and Availability**

The Matterport Pro3 Camera is available for purchase at [matterport.com/pro3](https://matterport.com/pro3) or through one of Matterport’s partners, including: Amazon, B&H Photo and Video, and Adorama.

- Matterport Pro3 Camera is priced at \$5,999 USD and includes:
  - Pro3 Camera in Carry Case
  - One Tripod Mount
  - One Battery and Charging Kit
  - One Year Warranty
- The Matterport Pro3 Acceleration Kit offers the best value at \$7,995 USD. This bundle includes everything needed for a full day of capture:
  - Pro3 Camera in Carry Case
  - 10 Matterport E57 high density point cloud files to complete large projects quickly (\$890 USD value)
  - 10 MatterPaks to extract floor plans, point cloud files, and OBJ files from digital twins (\$500 USD value)
  - One Tripod Mount
  - Two Batteries with One Charging Kit
  - One Tripod, Wheeled Dolly, Two Door Stops, One Hard Case, and One Backpack
  - 3-year Warranty on Pro3 Camera and Tripod Mount (\$2,000 USD value)
- Accessories available separately in the US, UK and European Union through Amazon. For

pricing information, visit Matterport's website.

Pro3 camera availability varies by region.

- Customers in North America may place orders today with estimated shipments in early September 2022.
- Customers in the UK & EU region can place orders with estimated shipments in early October 2022.
- Customers in the APAC region can place orders online with estimated shipment of early October 2022.

## ***Modelithics and IEH Corporation Partner to Offer New 3D Geometry Models for Connector Products***

30 August 2022

Modelithics, the leading provider of RF/microwave simulation models, and IEH Corporation, a worldwide leader in hyperboloid connectors and contacts, are pleased to announce the release of **12 new 3D geometry models** for IEH hyperboloid connector products. The new 3D models are now available within the latest version, v22.4, of the Modelithics COMPLETE+3D Library for Ansys® HFSS™.

IEH hyperboloid interconnect solutions have been in use for over 40 years under the most demanding conditions. They offer benefits that include immunity to shock and vibration, improved current carrying capacity, and extremely low contact resistance, among others. IEH hyperboloid connectors are intended for aerospace, defense, commercial, and medical use.

The new Modelithics 3D models for IEH hyperboloid connector products include male and female versions of the HGM, HMK, HMM, HRM, and HVM printed-circuit-board (PCB) connectors. New models are also available for HKC Hyperkinetic (daughter card and backplane) high-speed connector products. All models are validated for both single-ended and differential S-parameters. The models for the HMM connectors are validated to 40 GHz, while all other models are validated to 20 GHz. Time-domain data is also provided for each model.

Included within each model is a new feature called Dynamic Region Selection. This feature allows users to isolate specific columns to include in a simulation. Objects not included in the selection remain visible but are assigned the “non-Model” property. These “non-Model” objects are excluded from the simulation, enabling a much faster overall simulation time.

## ***Modelon 2022.2 Release: System Simulation on the Cloud Has Arrived***

29 August 2022

For the Modelon 2022.2 release, we're happy to officially announce Modelon Impact Cloud, our system simulation platform accessible via public cloud. It includes better productivity, increased scalability, and all without the responsibility of hosting and maintaining data resources. And for customers who prefer it, we also offer Modelon Impact for private cloud and On-Premise installation as well.

**Here's all you need to know about the Modelon 2022.2 Release:**

### **Modelon Impact Cloud Now Available**

Running on Microsoft Azure, Modelon Impact Cloud relieves customers of the IT hassles that come with onboarding a new engineering platform – all while making it easier for teams to collaborate and leverage powerful solvers from anywhere in the world. Here are the core benefits of Modelon Impact

## Cloud:

- Elevated Productivity
  - Access your Modelon Impact workspace from anywhere you've got internet. No need to sacrifice run times, modeling complexity, or accuracy of results.
- Better Decision-Making
  - Enable experts and non-experts alike to interpret your models via platform features and web applications to make decisions.
- Heightened Collaboration
  - Bring team members, stakeholders, and partners together within a centralized modeling and simulation workspace.
- Increased Flexibility
  - Fully customize the code layer of your models and integrate Modelon Impact with your existing toolchains using APIs.

Check out our new Modelon Impact explainer video! For a deeper dive on Modelon Impact, get in touch with us today to schedule a demo.

## **App Mode**

All Modelon Impact customers can now use App Mode – a feature for sharing locked models as Apps with customizable parameters, data visualization widgets, and plots. App Mode allows users to export a model and share it with a colleague or partner.

A user can import the locked model as an app, allowing the model to run with different input parameters.

A viewer can then perform different experiments using predefined data visualization widgets, such as plots and graphs, to interpret the model.

## **Workspace Clean-up**

Running into disk space issues? A user can now choose to delete results older than a selected number of days to free up disk space. This feature is accessible directly through the user interface.

## **Manual Re-Compilation**

Manually re-compile your model by the SHIFT+ button for an already compiled model. Use this for special occasions like HiL, FMU export, ext. dependencies, etc.

## **Modelon 2022.2 Release Library Updates**

All Modelon Library Suite libraries are available within the Modelon Impact Pro tier. Whether you have access to all Modelon libraries, or a select few, here are some notable updates we've made to them.

## New Tutorials

- Clean Aircraft Tutorial – This tutorial describes the workflow to build a model, experiment, and achieve results in order to explore the relationship between the electrification, fuel consumption, and range of an aircraft. You will need access to the Aircraft Dynamics Library, Electrification Library, and Modelon Base Library. View the tutorial in the Modelon Help Center.

## Individual Library Updates

- Aircraft Dynamics Library
  - Airbus A300 and F16 aircraft geometries now available

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- Aerodynamic models improved for better simulation speed and accuracy
- Electrification Library
  - Lead acid 12V battery example model now available
  - New documentation for selecting, configuring, parameterizing, validating, and resizing battery models
  - NiMH, LFP, NCA, LIP, LeadAcid battery core model examples added
  - Increased ability to simulate heat transfer between individual cells within a battery pack
- Fuel Cell Library
  - Gas-gas discretized humidifier model now available
- Jet Propulsion Library
  - New examples for flat models of JT9D and Geared Turbofan, each with bleeds
  - Added Mean Line package for modeling and simulation of fluid machinery (compressor) with a focus on the building blocks from aerodynamics and thermodynamics
  - New propeller model with maps (Constant and ExternalFile) and mass estimation
- Vapor Cycle Library
  - Defrost controller developed to control the compressor, evaporator fan motor, and condenser fan motor, based on the evaporator air inlet temperature and defrost mode
  - New industry refrigeration compressors added with their test benches allowing their testing and validation
  - Robustness and initialization of Capillary Suction Line Heat Exchanger significantly improved
  - Ability to choose from different flow coefficients in valves
- Vehicle Dynamics Library
  - Significant performance improvements for Driver-in-loop (DiL) and Vehicle-in-loop (ViL) models resulting in faster turnaround times for detailed models for ADAS and automated driving in ViL applications

***RapidAuthor 14.1: support for S1000D in Service Planner integration, improved import, improved clipboard, Join Lines tool, thick and thin line illustration techniques, new parametric objects, and more***

1 September 2022

The latest version of Cortona3D authoring suite, a software solution for digitalizing technical documentation is now available. Version 14.1 comes with important improvements in the data import process, support for S1000D in Service Planner integration, and makes it easier to work with JT format. We updated RapidAuthor by adding new tools such as the Join Lines tool for 2D editing, support for thick and thin line illustration techniques, new commands Cut, Copy, and Paste for selected objects and new parametric objects for authoring. Keep reading to know the details.

Support for S1000D in Service Planner integration

There is good news for authors who work with Teamcenter Service Planner. The latest version of RapidAuthor allows users to generate S1000D documentation based on the data imported from

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Teamcenter Service Planner. The tool contains now out-of-the-box Demo Service Planner S1000D 4.1 import profile with default configuration for the mapping of the Service Planner Work Card and Service Requirement objects data to the RapidAuthor S1000D project. You can change this configuration using the RapidConfiguration tool to meet specific requirements and the Teamcenter data model.

Import additional information from the Service Planner

From now on, you can import additional information such as support equipment, spares, references, required persons, safety conditions, etc. from the Service Planner. Using this feature, you can configure various document sections in the Service Planner Information dialog box of the import profile in RapidConfiguration, and enable or disable each section. If a section is enabled, then the corresponding section of the document will be filled during import.

JT import: line sets, import non-tiled textures from JT

From now on, you can import line sets from JT. The new option Read all types of geometry enables importing all geometric objects allowed by the JT standard, including lines and points. If it is selected, all geometric objects are imported. If it is cleared, only solid geometry is imported.

The previous version of the Cortona3D tools allowed for importing non-tiled textures from JT with tiling only. Version 14.1 fixes this weakness. From now on, you can import non-tiled textures from JT without tiling.

New commands Cut, Copy, and Paste for selected objects

Another useful feature to speed up the authoring process is an improved clipboard. New commands Cut, Copy, and Paste for selected 3D objects are available now from the toolbar, the Edit menu, the Item Tree menu, and the Item List menu, or as shortcuts Ctrl+C, Ctrl+V, and Ctrl+X. Now you can quickly copy or cut 3D objects and paste them below the selected element or into the root of the Item Tree.

The same commands work in Document Editor, Procedure Editor, and DPL-table.

2D Editing: Join Lines tool

The updated version of Cortona2D Editor Pro provides the Join Lines tool. From now on, you can quickly join multiple line primitives into a single one. To open the tool, go to Objects -> Join Lines.

There are several options for how to quickly join straight and curved segments:

- Chamfer connects the ends of lines with segments
- Extend extends lines until they intersect
- Fillet extends lines and connects them with a circle of radius R
- Bezier extends the lines and connects them with the Bezier curve

2D Editing: thick and thin line illustration techniques

If you need to add 3D effects to 2D illustrations you can use the thick and thin line illustration techniques supported in the new version.

To activate the thick and thin line mode:

- Use the button on the panel of Property Inspector
- Edit menu -> Thick/Thin Technique

Use the techniques to work with ellipses and parallelograms on the isometric grid.

New objects in the Object Gallery

New objects – Animated Arrow and Arrow – are added to the Object Gallery. You can use these objects

to draw end-user attention to a specific area in the 3D scene.

New localization option

In version 14.1, we added a new localization option for Italian.

The user interface, help topics of RapidAuthor for Teamcenter, and out-of-the-box specification components have been localized into Italian. Out-of-the-box specification components allow for creating publications in Italian in addition to previously supported languages.

Other improvements

- Support for Teamcenter 14.0 and 14.1
- New CAD formats supported: JT 10.6, NX 2007, Solidworks 2022, Solid Edge 2022, Catia V5\_6R2022, Revit 2022, Navisworks 2012-2022
- DITA: new metadata Language allows for controlling the language of the generated document
- Option to update objects even if their metadata hasn't changed

## ***Siemens introduces Questa Verification IP solution support for the new CXL 3.0 protocol***

30 August 2022

Siemens Digital Industries Software announced that its simulator-independent Questa™ Verification IP solution now supports the new Compute Express Link (CXL) 3.0 protocol for high-performance computing (HPC) applications. CXL 3.0 is based on the Peripheral Component Interconnect Express (PCIe) networking protocol, which facilitates the rapid transfer of data between the world's highest performance cloud computing servers as well as billions of smart connected devices around the world.

Available immediately, Siemens' Questa Verification IP solution for CXL 3.0 integrates seamlessly into all advanced verification environments on any simulator. For customers looking to incorporate the new CXL 3.0 protocol into their next-generation designs, the solution helps customers optimize productivity and flexibility for the verification of block-level, subsystem, and system-on-a-chip (SoC) designs, which can speed time-to-market.

“By offering early support for the new CXL 3.0 protocol, Siemens can help customers differentiate and win in highly competitive HPC markets around the world,” said Mark Olen, product management director, IC Verification Solutions, Siemens Digital Industries Software. “Available now for early adopters of the CXL 3.0 protocol, our new Questa Verification IP solution provides a proven, robust and comprehensive verification platform that allows our customers to validate their next-generation designs with speed and confidence.”

Engineered to expedite verification closure and expose complex design issues, Siemens' Questa™ Verification IP solution supports detailed functional verification across all layers of the CXL 3.0 specification. This latest offering from Siemens includes ready-to-use verification components and exhaustive stimuli that can help increase productivity and accelerate verification signoff. In addition, the solution can eliminate design biases found in many competing solutions.

## ***Simulations Plus Releases State-of-the-Art QSP Software for Interstitial Lung Disease***

31 August 2022

Simulations Plus, Inc., a leading provider of modeling and simulation software and services for pharmaceutical safety and efficacy, today announced that its DILIsym Services (DSS) division has

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released ILDSym™ version 1A, quantitative systems pharmacology (QSP) modeling software. The development effort leading up to this release was sponsored by a leading biotechnology company that has used ILDSym to inform planned clinical trial design.

Dr. Zackary Kenz , principal scientist, said: “Finding treatments which reduce the progression of ILD in patients with systemic sclerosis (SSc) has proven challenging, with only two FDA-approved drugs to date. We believe ILDSym can contribute to better understanding of underlying SSc-ILD disease mechanisms and improve patient outcomes by using the predictive power of software to accelerate treatment development, leading to new treatments or combinations of treatments which could halt or reverse ILD progression.”

Dr. Lisl Shoda , associate vice president, added: “Interstitial lung disease significantly worsens the prognosis for patients with SSc and increases their healthcare costs by roughly 50%. ILDSym and our scientific consulting expertise are positioned to support our clients in the development of novel treatments for SSc-ILD. Further, because ILD is a complication common to multiple diseases, we are positioned to customize ILDSym, thereby expanding our ability to support treatment of ILD across a spectrum of diseases.”

Features of ILDSym v1A include:

- representation of key ILD elements, such as:
  - fibrosis, inflammation, alveolar epithelial and endothelial injury, and lung function tests
  - different regions of the lungs as illustrated by high resolution computed tomography (HRCT), including the normal alveolar parenchyma, regions of ground glass opacity (GGO) or reticular opacity (RO), and honeycombed (HC) regions
- a virtual SSc-ILD population ( SimPops<sup>®</sup> ) of greater than 700 subjects with variability in disease extent and progression rates
- important biomarkers or endpoints, including:
  - Forced vital capacity (FVC)
  - Diffusing capacity of the lungs for carbon monoxide (DLCO)
  - High resolution computed tomography (HRCT) of the lungs
  - Extracellular matrix (ECM) lung levels and circulating biomarkers (e.g., KL-6)

Simulations Plus recently hosted a webinar introducing the mechanistic underpinnings of ILDSym and the exploration of treatments within SimPops. View the webinar here . Dr. Zackary Kenz will be presenting an ILDSym poster at AAPS 2022 PharmSci 360 (October 16-19; Boston, MA). Visit poster # M1330-11-62 to learn about ways ILDSym might support your programs.

ILDSym is applied within comprehensive consulting services on drug development decisions and is also available for licensing

## ***Vectorworks 2023 to Provide Time-Saving Benefits to Designers***

31 August 2022

Global design and BIM software provider Vectorworks, Inc. will soon launch the 2023 version of its product line, focused on providing time-saving tools that automate tedious processes and let designers focus on high-quality design. The upcoming release includes Vectorworks Architect, Landmark, Spotlight and Fundamentals, along with 2023 versions of ConnectCAD, Braceworks and Vision.

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“For Vectorworks 2023, we have spent our time focused on improving our software so that designers don’t feel bogged down by the technology but instead find efficiencies that let them focus on imaginative and creative designs,” said Vectorworks CEO Dr. Biplab Sarkar.

With an extensive collection of new tools and feature enhancements included in the 2023 product line, Vectorworks users can anticipate these key updates in addition to many more in the near future.

## **BIM**

Vectorworks 2023 will bring significant updates to architects’ BIM workflows. Core architectural objects have been re-engineered and modernized to be more intuitive through all phases of a project reducing the amount of manual work needed to create and edit day-to-day documentation. Historically, creating object type and drawing key legends has been a labor-intensive process, prone to errors and taking up a significant amount of designers’ time. The new Graphic Legends tool will help to alleviate both these challenges for Vectorworks users. The smart tool completely removes the manual process of creating graphic legends, automatically coordinating resources used and providing an easy editing and customization process, ensuring the accuracy of legends and drawing keys for documentation. In addition, door and window objects can now be created and edited by simply drawing a rectangle on the face of the wall in 3D or a line spanning the opening in 2D. They can also be interactively edited, making modeling and updating a breeze.

Building on the data-centric focus of its previous version, Vectorworks 2023 will also make even better use of data and resources for more precise BIM models and documentation. Users can anticipate several powerful data reporting additions and updates in the soon-to-be-released version.

## **Interoperability**

Vectorworks remains the unrivaled choice for collaboration, and Vectorworks 2023 will deliver improved ways to work with others. New Revit file import options give more flexibility when collaborating with consultants and clients using the software. Vectorworks will now support the translation of more Revit object types and provide better organization of the imported file data making it easier to design a project within the context of existing information and reference a Revit file directly for a more collaborative workflow. Users will experience better, faster and more accurate BIM collaboration when using BIM Collaboration Format (BCF) files. Now, as a web palette, the BCF Manager will have the ability to be kept open to seamlessly and efficiently manage and model changes with cloud-based collaboration tools.

## **User Experience**

Everyday performance improvements that get you started, speed up tasks and are less disruptive highlight a designer’s first experience with Vectorworks 2023. The new Home Screen provides a single source for getting started, learning, training and other growth opportunities for all who are using the software. A new Offset Edge tool focuses on a streamlined and smooth 3D modeling process letting you offset edges and push/pull faces from both planar and non-planar surfaces for faster modeling and efficient design exploration. Additionally, updates to the Shaded Render Mode to support an unlimited number of light sources, environmental lighting and reflections and object reflections provide designers with a powerful and realistic working rendering mode to help make more informed design decisions and ensure a better-quality rendering.

Dave Donley, director of product technology, said, “Working in 3D has never been better. Now you can see the model in high fidelity context with lighting and materials all in real-time. Changes to geometry, materials and lighting are instantaneous and the high-quality rendering allows you to really understand what your design looks like. New Shaded Rendering is one of those features that once you try it, you

will never want to go back.”

## **BIM for Landscape**

Vectorworks Landmark 2023 will bring new and improved capabilities that will underscore why it is the landscape architecture industry leader for BIM. The latest version will introduce big improvements to site grading by providing new site modifier modes that will allow site designers to create more complex grading projects. These improvements also bring more intuitive ways to account for proper drainage, vehicular and pedestrian use and better control through contour drawing and editing. By partnering with Laubwerk, version 2023 will also bring a new and extensive library of 3D plant geometry with a wide range of detail levels, seasonal changes and growth representations for more accurate 3D plant representation, documentation and collaboration.

## **Entertainment**

Continuous improvements in the Vectorworks suite of entertainment products will be the focus in version 2023. Designers will see upgrades to the most important tools that lessen the amount of manual work and provide entertainment design professionals with even more effective and efficient workflows. Upgrades to the Spotlight Cable tools make cable configuration faster and more intuitive. You can now define the entry and exit of cables in a cable run, and the new Property View tab in the Power Planning palette will allow for easier selection and editing of objects in your model. Additionally, updates to the cable path now allow reporting of all associated cables to a Data Tag for easier documentation.

Version 2023 will also bring significant workflow improvements to ConnectCAD, including a faster and more accurate way to create cable riser diagrams and reports with an easy new command, intuitive file organization with an updated class structure, and the ability to specify device locations for more automated equipment lists.

“Delivering these frequently requested improvements to the existing functionality in our entertainment products is sure to make the upgrade process for Vectorworks Spotlight users smoother than ever before,” said Darick DeHart, chief product officer at Vectorworks.

Vectorworks users can look forward to all these enhancements and more with the delivery of the English-language editions of Vectorworks, Braceworks, ConnectCAD and Vision 2023 soon.

## ***What’s new in Opcenter Execution Semiconductor 8.9***

30 August 2022

On August 30, Siemens announced the newest updates to their Opcenter Execution Semiconductor software in a blog post by Alessandro Cereseto. These updates include improvements to scheduling, wafer-based sampling, and UX. To read the full post please visit the Siemens blog:

<https://blogs.sw.siemens.com/opcenter/whats-new-in-opcenter-execution-semiconductor-8-9>

## ***ZWCAD 2023 SP1: Save More Time to Tackle Real Challenges***

31 August 2022

ZWSOFT announced the release of the latest version of its flagship 2D CAD product – ZWCAD 2023 SP1. It delivers higher efficiency and more functionality to help designers save more time to tackle design problems.

“One of our goals in developing ZWCAD is to help designers improve efficiency in their daily work. In this version, we put a lot of energy and time to improve the efficiency and functionality of the software. **By boosting the efficiency of basic operations and adding time-saving functions, we**

**complete those tedious, repetitive tasks for designers so they can have more time to deal with the real challenge,”** said Kyle He, Product Manager of ZWCAD.

There are hundreds of new features, enhancements, and fixes in the latest version. Here are highlights of them:

## **Efficiency Improvement**

For designers and engineers, editing is the most used function in CAD software. When dealing with drawings that contain a large number of entities, it might take plenty of time to perform frequently used commands like Move and Copy. **In this version, there is a significant efficiency improvement in basic operations, including Move, Copy, Scale, Rotate, Mirror, Draggeom, and Stretch.** Our test shows that, on average, carrying on these basic operations in 2023 SP1 is 47% faster than in 2023 Official.

ZWCAD entered the market as a 2D CAD platform and has integrated basic 3D functions to meet the increasing needs for viewing and editing 3D models. **In ZWCAD 2023 SP1, the display effect of 3D models has been greatly optimized.** For example, in the current version, zooming in 10 times on a 3D model in the Gouraud mode is 70% faster than in ZWCAD 2023 Official.

## **Hatch Upgrade**

One of the most-used functions for professionals in the architecture industry is Hatch. In this version, we are dedicated to optimizing its functionality and efficiency. In ZWCAD 2023 SP1, when you create or click a hatch object, **the contextual menu will appear on the ribbon for you to adjust the properties of hatches faster and easier. Another new feature in Hatch is real-time preview.** When you create a hatch, you can preview the effect by hovering the cursor over the hatch object. In this way, unnecessary rework can be avoided. Plus, “Set Origin” and “Set Boundary” are added to the right-click menu for users to modify the origin point and boundary of hatches conveniently.

## **Import Multiple PDF Pages**

Importing multi-page PDF files has long been a big hassle for many CAD software users. In the past, users could only import one page each time and repeat the steps. **But now, with this new option, users can select as many pages as they want and import them as CAD objects in one step, saving time in data importing.**

## **Collect Mleaders**

The “Mleadercollect” command is very useful when the drawing is complicated and there is limited room for adding multileaders. **With this new command, users can combine multileaders that contain blocks into a single leader line for better visualization and easier modification.** There are three options to place the combined leader: horizontal, vertical and wrap.

## **Cloud Documents**

Many designers and engineers often work outside the office and edit their drawings on other devices, which causes laborious manual file transfer between different devices. Powered by reliable cloud service providers, **the Cloud Document function enables users to sync their local drawings to the cloud automatically or manually, so users can access their files anytime, anywhere, on any device.** When the cloud service is activated, each modification will be synced to the cloud so users can always get access to the latest version without the hassle of manual transfer.

There is a lot more to explore in ZWCAD 2023 SP1.