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## Acquisitions

### *ABB to acquire Födisch Group strengthening global leadership in continuous emission monitoring*

27 August 2024

ABB announced that it has signed an agreement to acquire Födisch Group, a leading developer of advanced measurement and analytical solutions for the energy and industrial sectors. The acquisition enhances ABB's offering in continuous emission monitoring systems (CEMS) and bolsters its competitiveness in technology and innovation. Through the acquisition, ABB will widen its portfolio to meet customers' most demanding measurement challenges. Födisch Group reported about €50 million in revenue and approximately 250 employees in 2023. The transaction is subject to customary closing conditions. Financial details of the transaction, which is expected to close before the end of the year, were not disclosed.

Headquartered in Markranstädt, Germany, where it operates a 3,000 m<sup>2</sup> production facility, and with further facilities across Germany, the Netherlands, and China, Födisch Group offers solutions for addressing environmental, inspection and certification challenges across industries. Used in power plants, waste incineration facilities, the paper, glass and cement industries, Födisch Group's analyzer and dust solutions enable companies to cost-effectively track emissions of pollutants.

Födisch Group's extensive offering complements ABB's portfolio of measurement and analytics solutions with additional continuous gas analyzers and dust measurement solutions. Supported by ABB's global distribution and service network, customers will benefit from a comprehensive suite of solutions that help address the world's energy and sustainability challenges.

Key to enhancing the sustainability of industrial operations, measurement and analytics technologies enable reliable process measurement, providing real-time data and insights to help improve efficiencies and reduce emissions.

"The acquisition of Födisch Group underscores ABB's commitment to providing advanced continuous emission monitoring systems that have become vital for companies to monitor and mitigate emissions and comply with environmental regulations," said Jacques Mulbert, President of ABB's Measurement & Analytics division. "We are very impressed by what the Födisch Group has achieved and are eager to welcome their team to the ABB family. Integrating the Födisch Group into ABB will unlock significant opportunities for new and existing customers."

"Over the years, Födisch Group, with its passionate and highly qualified team, has established a renowned reputation in environmental and process measurement technology in Europe. This acquisition is a testimony of our strong performance in recent years, and leveraging ABB's global footprint will allow to scale the impact of our offering internationally. This makes us very proud," said Stephan Schumann, CEO of Dr. Födisch Umweltmesstechnik AG, the parent company of Födisch Group.

"We are delighted with the great development of the Födisch Group and are confident that ABB is the right home for the business to continue the strong value creation journey for all stakeholders," said Andreas Bösenberg, Managing Director of majority shareholder NORD Holding.

### *Accenture Completes Acquisition of Partners in Performance*

29 August 2024

Accenture has completed the acquisition of Partners in Performance, a global strategy consulting firm that works on business performance improvement in asset-intensive industries, leveraging data and AI capabilities.

The acquisition of Partners in Performance will strengthen Accenture's offering to clients in industries such as metals and mining, oil and gas, utilities, and chemicals among others, by bolstering cost and productivity reinvention, delivery of capital projects, as well as accelerating energy transition and decarbonization efforts.

The acquisition of Partners in Performance, previously announced on May 21, 2024, adds about 400 professionals, who will join Accenture Strategy. Terms of the transaction were not disclosed.

### *Accenture to Acquire consus.health, Expanding its Healthcare Consulting Capabilities in Germany*

27 August 2024

Accenture has agreed to acquire consus.health, a leading German healthcare management consultancy. consus.health offers services ranging from medical strategy and patient management to procurement and logistics, infrastructure management and construction planning services. By adding consus.health's strategy and industry consulting skills to its capabilities in digital transformation and managed services, Accenture will enhance its ability to help healthcare providers and hospitals across Germany, Austria and Switzerland improve their quality of care.

Founded in 2012, consus.health has a strong presence in the German market serving more than 600 healthcare providers and hospitals. With a deep strategy and industry consulting know-how and a strong industry network in the healthcare market, consus.health has built a track record in improving the financial and operational performance of its clients. Their services include streamlining operations and enhancing both strategy and financial management to help clients manage costs and protect revenues. They also advise on improving the infrastructure, logistics and energy efficiency of hospitals as well as on optimizing their construction. Part of their portfolio is the consus healthcare akademie that offers more than 90 training courses for all levels of healthcare professionals. Headquartered in Freiburg im Breisgau, consus.health's team of 140 experts will join Accenture's Health Strategy & Consulting practice in Germany.

"In the healthcare industry, organizations are under pressure to improve access, experience and outcomes, while reducing costs," said Christina Raab, market unit lead for Accenture in

Austria, Switzerland and Germany. “consus.health’s industry expertise will enhance our capabilities that help healthcare organizations with their digital transformation journeys and drive efficiency at the same time.”

“The acquisition of consus.health is a significant milestone in our strategy to serve clients end-to-end in an expanding healthcare market,” said Katharina Michaelis, Accenture’s social services and health portfolio lead for Germany. “consus.health’s expertise in revenue and cost management, process optimization, and hospital management will complement our existing offerings and enable us to provide our clients with even more comprehensive solutions.”

“By joining Accenture, we will continue our mission of structurally and economically empowering healthcare organizations to care for their patients,” said Dr Djordje Nikolic, founder and CEO of consus.health. “I am convinced that with Accenture’s digital expertise and consus.health’s healthcare know-how, we will help make a difference in healthcare and offer exciting new opportunities to our employees.” Nikolic will lead Accenture’s Health Strategy & Consulting practice in Austria, Switzerland and Germany and will be responsible to build-up and grow the health provider business.

The acquisition of consus.health is the latest in a series of strategic investments that Accenture has made to position itself as a leading provider of consulting, digital transformation and managed services in the healthcare sector including Intellera Consulting, ConcentricLife and Nautilus Consulting.

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

### *Capgemini to reinforce its data-driven digital transformation capabilities with acquisition of Syniti*

27 August 2024

**Capgemini announced that it has signed an agreement to acquire Syniti, a leader in enterprise data management software and services including platform and migration services, with a global footprint. This acquisition will augment the Group’s data-led solutions for clients across the globe, in particular large scale SAP transformations, such as the move to SAP S/4HANA.**

Headquartered in the United States with operations globally, Syniti has been putting data at the forefront of digital transformation for more than 15 years. Its team of 1200+ data-focused experts specialize in managing complex data quality, data migration and data governance initiatives for some of the world’s largest companies. Syniti has deep expertise in sectors such as life sciences, aerospace & defense, manufacturing, consumer products & retail, and automotive. Examples of the business-critical transition projects that it supports include mergers & acquisitions, ERP migration and consolidation, moving to the cloud and data compliance requirements.

Its market leading Syniti Knowledge Platform is a unified, cloud-based data management platform devised to break down the siloes that have traditionally defined the enterprise data

management space, providing a collaborative platform that all business stakeholders can leverage to drive successful and repeatable business transformation initiatives. The Syniti Knowledge Platform is an SAP Endorsed App that has also been sold as an SAP Solution Extension under the name SAP Advanced Data Migration & Management by Syniti for nearly a decade.

As a trusted global partner for major SAP data migrations, the acquisition of Syniti is good news for organizations who are looking for options to base their enhanced SAP business applications and processes on a solid data foundation that they can trust. Especially clients who are implementing SAP S/4HANA who have already found tremendous value in leveraging the platform for continuous data transformation initiatives.

*“A strong data foundation is key to enable relevant, trusted and quality insights. It’s a top priority for clients as they look to unlock further value from their enterprise data thanks to generative AI,”* comments Aiman Ezzat, Chief Executive Officer of the Capgemini Group. *“Syniti and Capgemini share the philosophy that digital transformation will always require data transformation to drive critical business benefits. Syniti is a leader in its field and a trusted global partner for major SAP data migrations. Its global team will reinforce Capgemini’s data-driven digital core business transformation services.”*

*“Capgemini and Syniti have long recognized the importance of data, and that the complexity of data work requires technical, business and industry skills in order to deliver real business benefits,”* said Kevin Campbell, CEO of Syniti. *“Capgemini’s deep industry expertise and leadership in data & AI services highly complement Syniti’s data first approach in the market, to ensure that more organizations bring data to the forefront of their business and digital transformation projects. Both organizations have a deep commitment to innovation and client satisfaction, and our team is excited by the prospect of joining this global leader.”*

The transaction is due to close in the coming months subject to regulatory approval and other customary conditions for a transaction of this nature.

## *IFS Completes Acquisition of Copperleaf*

29 August 2024

Copperleaf Technologies Inc. (“**Copperleaf**” or the “**Company**”) is pleased to announce that Industrial and Financial Systems, IFS AB (“**IFS**”) has completed the previously announced acquisition of Copperleaf pursuant to a statutory plan of arrangement (the “**Arrangement**”) under the Canada Business Corporations Act. In accordance with the terms of the Arrangement, IFS indirectly acquired all of the issued and outstanding common shares in the capital of Copperleaf (the “**Shares**”) for \$12.00 in cash per Share, representing a total equity value of approximately \$1.0 billion on a fully diluted basis.

The Shares are expected to be de-listed from the Toronto Stock Exchange on or about the closing of trading on **[August 30]**, 2024. It is anticipated that Copperleaf will apply to cease to be a reporting issuer under applicable Canadian securities laws.

The Arrangement was originally announced on June 11, 2024, and was approved by the Company's shareholders at a special meeting held on August 2, 2024. The Company obtained a final order in respect of the Arrangement from the Supreme Court of British Columbia on August 7, 2024.

Further information regarding the Arrangement is provided in the management information circular of the Company dated June 28, 2024 (the "**Circular**") prepared in connection with the Arrangement and the Company's subsequent related news releases, all of which are available under the Company's profile on SEDAR+ at [www.sedarplus.ca](http://www.sedarplus.ca) and on Copperleaf's website at <https://investors.copperleaf.com>.

Enclosed with the Circular was a letter of transmittal explaining how registered shareholders of the Company can submit their Shares in order to receive the consideration to which they are entitled in connection with the Arrangement. Registered shareholders who have questions on how to complete the letter of transmittal should direct their questions to the Company's transfer agent and depository, Odyssey Trust Company, 1-888-290-1175 (toll-free within North America), 1-587-885-0960 (outside of North America), or by email at [Corp.actions@odysseytrust.com](mailto:Corp.actions@odysseytrust.com). Beneficial shareholders holding Shares that are registered in the name of an intermediary must contact their broker or other intermediary to submit their instructions with respect to the Arrangement and to arrange for the surrender of their Shares in order to receive the consideration to which they are entitled in connection with the Arrangement.

### **Advisors**

BMO Capital Markets acted as exclusive financial advisor to a special committee of independent directors of Copperleaf (the "**Special Committee**") formed to evaluate the Arrangement. Fort Capital Partners acted as independent financial advisor to the Special Committee and the board of directors of Copperleaf. Fasken Martineau DuMoulin LLP acted as legal counsel to Copperleaf and the Special Committee in connection with the Arrangement.

Arma Partners LLP acted as exclusive financial advisor to IFS, and Davies Ward Phillips & Vineberg LLP and White & Case LLP acted as legal counsel to IFS.

## **Company News**

### *Hexagon's net-zero science-based targets validated by the Science Based Targets initiative (SBTi)*

29 August 2024

Hexagon, the global leader in digital reality solutions, announced that its reduction targets for near-term and net-zero greenhouse gas emissions have been approved by the Science Based Targets initiative (SBTi). This independent, scientific validation highlights Hexagon's commitment towards sustainability.

Hexagon's approved targets include:

- Reducing Scope 1 and 2 emissions by 95% and Scope 3 emissions by 51.6% per EUR value added by 2030, from a 2022 baseline
- Increasing renewable electricity usage to 100% by 2027
- Reaching net-zero greenhouse gas emissions across the full value chain by 2050

“At Hexagon, our largest contribution to reducing emissions is via our solutions, which empower our customers to behave efficiently, safely and effectively,” said Eva Carranza, Head of Sustainability, Hexagon. “However, as a wider corporate citizen, we need to ensure we behave as responsibly as possible in our operations globally, hence our ambitious commitments to reduce our emissions dramatically by the end of the decade. The SBTi’s validation underlines the credibility of our goals and is the first of many important milestones on our journey to net-zero.”

Hexagon aims to meet its long-term sustainability goals by setting yearly milestones. Key ongoing initiatives include facility upgrades, employee and suppliers training, expanding renewable energy use, and setting stringent criteria for product development and logistics. By 2030, as well as the Scope 1 and 2 emission reduction targets listed above, the company aims to cover over 80% of procurement spend by suppliers with SBTi-validated targets.

Hexagon will update its progress towards these targets in upcoming sustainability reports to ensure transparency and maintain momentum towards achieving net-zero by 2050.

### *Infosys Joins Stanford HAI Affiliate Program to Accelerate Enterprise AI Research Initiatives*

28 August 2024

Infosys, a global leader in next-generation digital services and consulting, announced that it is collaborating with the Stanford University Institute for Human-Centered Artificial Intelligence (Stanford HAI), an organization dedicated to guiding and building the future of artificial intelligence (AI), to help accelerate AI research initiatives by becoming a member of Stanford HAI’s Corporate Affiliate Program.

Infosys will engage with Stanford HAI faculty and researchers on topics such as:

- Responsible AI and helping enterprises navigate the complex technical, policy, and governance challenges.
- Enhancing efficiency and effectiveness of business process value chain through usage of AI and Machine Learning
- Optimizing AI models for cost and scale efficiency through a narrow transformer-based approach which allows AI models to be developed with minimal data.

**James Landay, Stanford HAI Co-Director**, said, “We are excited to welcome Infosys to the Stanford HAI Corporate Affiliate Program. At HAI, we focus on building and deploying human-centered artificial intelligence that benefits humanity. Together, we hope to push the boundaries of AI research and develop solutions that are ethical, trustworthy, and impactful.”

**Mohammed Rafee Tarafdar, CTO, Infosys**, said, “We are thrilled to collaborate with Stanford HAI, marking a significant milestone in our AI-first journey. Through this collaboration, Infosys will support the development of cutting edge thought leadership and research that will help enterprises accelerate their AI journey in a responsible manner. By incorporating the latest AI research and proven practices into Infosys Topaz, we aim to drive innovation and deliver transformative AI solutions for our clients and industry.”

### *PROS Holdings, Inc. Announces Appointment of Jennifer Biry to Board of Directors*

26 August 2024

PROS Holdings, Inc., a leading provider of AI-powered SaaS pricing, CPQ, revenue management, and digital offer marketing solutions, announced the appointment of Jennifer Biry to its Board of Directors effective August 26, 2024. Biry joins the Board as an independent director.

A seasoned leader with over 25 years of accounting, finance and operational experience, Biry serves as Chief Financial and Operating Officer for McAfee, a global leader in online protection for consumers. Biry joined McAfee in 2022 and leads the global finance, strategy, M&A, IT, security, sales, customer service and procurement operations, responsible for overseeing over \$2B in annual revenue. Prior to McAfee, Biry served as Chief Financial Officer for WarnerMedia from 2020-2022, and previously in various leadership roles with AT&T Communications, including Sr. Vice President and Chief Financial Officer of AT&T Communications Consumer segment.

“I am thrilled to welcome Jennifer to PROS Board,” said PROS Non-Executive Chairman of the Board Bill Russell . “As PROS increases in scale, her leadership, finance and operational experience will be a great resource for us as we continue to create greater long-term value for our shareholders.”

“We are proud to welcome such a distinguished leader to the PROS Board,” said PROS President and CEO Andres Reiner . “Jennifer’s extensive operational expertise makes her an invaluable partner as we scale our business and seize the incredible market opportunity in front of us as companies continue to embrace AI to drive impactful business outcomes.”

“I am truly honored to join the PROS Board of Directors at a time where businesses around the world are increasingly embracing AI solutions,” said Biry. “I look forward to working with the team and sharing my experience and knowledge to help the company further drive success and create shareholder value.”

Russell Reynolds advised the company in the Board search process.

### *Roima Intelligence's cloud services awarded ISO 27001 certification*

22 August 2024

**Roima Intelligence Oy, a specialist in industrial digitalisation and automation, is proud to announce that it has received ISO 27001 certification for its cloud services. This significant achievement confirms our commitment to the highest standards of information security.**

ISO 27001 is the globally recognised standard for information security management, ensuring that our customers' data is protected to the highest possible standards. Roima's cloud services certification covers all activities from development to maintenance and service management, demonstrating our ongoing commitment to security and reliability.

"The ISO 27001 certification is a clear signal to our customers that their data is in safe hands," says Jenni Kiikka, Sales and Marketing Director at Roima. This certification not only strengthens our customer relationships, but also creates new opportunities in environments that demand trust.

Roima Intelligence Inc. will continue to develop its security practices and conduct regular audits to ensure the continued reliability and security of its services.

### *Siemens joins Global Battery Alliance to accelerate development of sustainable battery industry*

27 August 2024

Siemens Digital Industries Software announced it has joined the Global Battery Alliance (GBA), a collaboration platform that brings together leading international organizations, NGOs, industry actors, academics and multiple governments to align collectively in a pre-competitive approach, to drive systemic change along the entire battery manufacturing value chain.

"Joining the Global Battery Alliance is a critical step that Siemens is taking to build our battery passport ecosystem which aims to go beyond regulatory compliance and empower stakeholders to capture, access and manage battery value chain data," said Puneet Sinha, senior director, Battery Industry, Siemens Digital Industries Software. "Together with the Global Battery Alliance and its community, we are helping to bring the power of digital transformation to a future facing battery industry that is efficient, ethical and sustainable."

The vision of the GBA is to achieve three fundamental outcomes, which Siemens is proud to endorse and actively contribute to: establish a circular battery value chain, establish a low carbon economy in the value chain, and safeguard human rights and economic development. Through dedication to these principles, Siemens aims to bring about innovative, sustainable practices within the battery industry that not only minimize environmental impact but also create new job opportunities and generate additional economic value for communities worldwide.

"We are delighted to welcome Siemens to the Global Battery Alliance to help drive our shared vision of driving adoption of digital transformation across all aspects of the production lifecycle, from ideation through engineering, production and disposal to increase efficiency and build a sustainable battery industry," said Inga Petersen, Executive Director, Global Battery Alliance.

This collaboration marks a significant milestone in Siemens' long-lasting commitment to advancing sustainable energy solutions, particularly in the context of evolving global regulations on battery sustainability, carbon footprint, and traceability. By joining GBA, Siemens is aligning with major stakeholders across the entire battery supply chain, spanning from material

developers to cell suppliers, OEMs, and government bodies to strive towards a greener and more ethical future.

## *Simulations Plus Optimizes Business Unit Structure to Support Future Growth Following Recent Strategic Acquisitions*

23 August 2024

Simulations Plus, Inc. (“Simulations Plus”), a leading provider of biosimulation, simulation-enabled performance and intelligence solutions, and medical communications for the biopharma industry, announced the optimization of its business unit and leadership structure to support future growth following the Company’s recent acquisitions. These actions will be effective August 30, 2024.

“Over the past year, we made two key acquisitions, including the largest in our corporate history,” said Shawn O’Connor, Chief Executive Officer. “As a result, we have doubled our total addressable market, developed a one-of-a-kind platform, and significantly bolstered our talent pool. While integrating Pro-ficiency into our platform, we identified synergies and opportunities to reorganize our business units and leadership structure to better serve our clients and maximize our growth opportunities. Above all, our expanded team of top industry talent is united by the shared mission to create value for our customers by accelerating the development and delivery of drugs to patients.

“In bringing Pro-ficiency on board, we focused on effective optimization of people and resources. As a result, we are forming two new and distinct business units — Adaptive Learning & Insights and Medical Communications — to enhance our customer engagement with both current and potential clients. We are also transitioning the Regulatory Strategies business unit into a new Regulatory Strategies Center of Excellence. This change is expected to enhance visibility within the sales organization and accelerate cross-selling opportunities driven by the increasing demand for biosimulation solutions.

“Our suite of end-to-end and innovative offerings now spans the drug development continuum which we believe puts Simulations Plus in a unique competitive position to scale the business to drive growth and profitability. Looking forward, we are excited about the potential we see to create long-term value for all our stakeholders.”

Simulations Plus announced the following leadership promotions and transitions:

**Steven Chang** will be promoted to President, Quantitative Systems Pharmacology. Mr. Chang joined Simulations Plus in June 2023 with the acquisition of Immunetrics and served as its President and Chief Executive Officer since 2002. He is a successful technology entrepreneur with more than three decades of experience in identifying emerging market needs and combining state-of-the-art technologies and resources to meet those needs.

**Jenna Rouse** will be promoted to President of the newly formed Adaptive Learning & Insights business unit. Ms. Rouse joined Simulations Plus with the acquisition of Pro-ficiency where, as Chief Markets Officer, Clinical, she spent five years driving the growth and engagement with the organization’s simulation-enabled training solutions for clinical trial optimization, competency

development, and continuing medical education. Prior to joining Pro-ficiency, she spent 25 years in workforce development in regulated industries, with over 15 years dedicated to professional development and adult learning in clinical trials.

**Murry Alper** will be promoted to President of the newly formed Medical Communications business unit. Mr. Alper joined Simulations Plus with the acquisition of Pro-ficiency. Mr. Alper brings almost 30 years of experience in the life sciences industry, with experience at both major developers, as well as on the agency side. Mr. Alper founded Caravel Group in 2006 after a decade in marketing and sales roles at Bristol-Myers Squibb and Genentech. He has co-founded multiple medical communications agencies and was Managing Partner of Compass Group Partners upon its purchase by Pro-ficiency in June of 2023.

**Sandra Suarez-Sharp, Ph.D.**, will transition to President, Regulatory Strategies Center of Excellence. Dr. Suarez-Sharp joined Simulations Plus in 2020 and has been instrumental in facilitating the Company's regulatory support to clients. Prior to joining Simulations Plus, Dr. Suarez-Sharp had a long and successful career at the Food and Drug Administration, including roles in biopharmaceutics, bioequivalence, and clinical pharmacology. In her new role, she is responsible for expanding the Regulatory Strategies Center of Excellence to accelerate cross-selling opportunities driven by the rapidly growing demand for biosimulation solutions.

The Company also announced the following departures:

**Brett Howell, Ph.D.**, President, Quantitative Systems Pharmacology and **Michael Raymer**, President, Clinical Simulations & Medical Communications will be leaving Simulations Plus after assisting with the transition process.

O'Connor concluded: "We are grateful for Dr. Howell's leadership and contributions to the Company. Under his guidance, our QSP business has achieved remarkable milestones since the acquisition of DILIsym in 2017. In addition, Mr. Raymer played an instrumental role in the acquisition and initial integration of Pro-ficiency. We wish both of them all the best in their future endeavors."

### *SORBA EDV AG joins BuildTec Software Group*

26 August 2024

The founders of SORBA EDV AG ("SORBA"), a leading provider of construction software in Switzerland for over 35 years, today announced that SORBA and BuildTec Software Group have entered into a partnership. Founders Kai Weber and Joachim Sorba, who have successfully built the company over three decades, see this move as an excellent opportunity to continue advancing the company's growth trajectory.

With BuildTec Software Group, the founders have found a strong international partner, opening new growth opportunities for SORBA in Switzerland and throughout the DACH region (Germany, Austria, and Switzerland). As part of the BuildTec Software Group, created by Bregal Unternehmerkapital, SORBA can expand its market presence and make its leading, innovative software solutions for the construction industry accessible to an even broader customer base.

SORBA remains committed to its strategy of placing the individual needs of its customers at the forefront. With a strong partner by its side, the company aims to further enhance customer satisfaction. The name SORBA will continue to stand for the highest efficiency and outstanding comprehensive solutions in the construction industry. The management team will continue to bear responsibility and ensure the excellent service and highest quality of software and services.

"We are confident that we have placed the future of SORBA in the right hands," says co-founder Joachim Sorba. "This step will enable SORBA to continue serving its customers in the best possible way and to offer outstanding and innovative services."

"We are delighted to have found a strong partner for the Swiss market in SORBA," explains BuildTec Software Group CEO Alexander Neuss. "The expertise and knowledge of SORBA will enable us to expand the capabilities within the BuildTec Software Group partner companies and support our customers with an even broader range of software and services in digitalization."

### *Tango Is Now a Workday Packaged Solutions Partner*

23 August 2024

We are pleased to announce that Tango is now a Workday Packaged Solutions Partner. The new Workday + Tango Lease Packaged Solution seamlessly brings together two powerful platforms, enabling customers to maximize their investment in both Workday and Tango.

The solution augments Workday's offering by providing additional lease functionality for Retail, Hospitality, and any customer with complex lease requirements. For Tango customers, the solution offers pre-built integrations to Workday that reduce implementation fees and timelines and incorporate proven best practices. Together, Tango and Workday deliver a suite of pre-built integrations that connect the two best-of-breed solutions, enabling customers to streamline processes, access real-time data, eliminate redundant data entry, and make more insightful decisions with holistic data.

"We are excited to partner with Workday to enable customers to optimize their investment in Tango and Workday," said Rick Zelinsky, Senior Vice President, Product. "Standardized, pre-built integrations not only help avoid costly custom setup, but also help extend the capabilities of both solutions to achieve cross-functional management, reporting, and insights across a full retail real estate lifecycle platform."

Tango and Workday bring unique business value individually. When integrated, users can focus on managing their business and not on managing technology.

### *TCS Pace Studio Launches in Philippines to Accelerate Digital Innovation for Clients Across the Asia Pacific Region*

27 August 2024

Tata Consultancy Services (TCS), a global leader in IT services, consulting, and business solutions, has launched a state-of-the-art TCS Pace Studio in Manila, Philippines. This cutting-

edge facility is designed for TCS to co-innovate with customers to develop tailored solutions for their unique business needs, boosting digital innovation in the Asia Pacific region.

Located within TCS' expansive Panorama Tower office, TCS Pace Studio will showcase TCS' innovative platforms like TCS AI WisdomNext, TCS TwinX, and TCS Zero Carbon Platform, leveraging emerging technologies like artificial intelligence, cloud computing, cybersecurity, and data analytics.

TCS Pace Studio in Manila, the fifth of its kind globally, is part of an extensive innovation ecosystem of TCS Pace™ spanning major global cities. TCS Pace network also comprises four other Pace Studios situated in Riyadh, Sydney, Letterkenny, and Stockholm, alongside seven Pace Ports located in Tokyo, Amsterdam, New York, Pittsburgh, Toronto, London, and Paris. TCS Pace Studios serve growth markets by fostering dynamic innovation ecosystems.

The innovation hubs in the TCS Pace network combine TCS' unique methodologies and frameworks, research, intellectual property, along with a curated ecosystem of partners through its Co-Innovation Network (COIN™) to provide collective intelligence that enterprises can tap into. These hubs enable customers to develop and launch innovative digital products and solutions, at speed and scale.

**Dr. Harrick Vin, Chief Technology Officer at TCS, said, "TCS Pace Studio is the gateway to a world of possibilities for our customers. It gives them access to TCS' extensive research and innovation ecosystem, facilitating the development of novel solutions across diverse disciplines, with efficiency and at scale. Customers in the Asia Pacific region can get a hands-on experience of the art of the possible at the TCS Pace Studio in the Philippines. By leveraging the latest technologies and prioritizing sustainability, we aim to drive innovation that not only meets the needs of today but also paves the way for a more resilient, and sustainable future."**

Equipped with interactive screens, state-of-the-art audio and video systems, and virtual reality (VR) headsets, the TCS Pace Studio offers clients an immersive environment to explore and co-create transformative technology solutions. This strategic investment underscores TCS' commitment to the Philippines and the burgeoning Asia-Pacific market. It also aligns with the Philippines' rise as a leading IT and business process outsourcing destination. With its skilled talent pool, cost-effective operations, and strategic location, the country presents a compelling value proposition for global businesses.

**Shiju Varghese, Country Head, TCS Philippines, said, "The Philippines is a key market for TCS, and we are elated to set up the TCS Pace Studio in Manila to continue delivering superior experiences for our customers. This Pace Studio will provide a collaborative space for clients to engage with our TCS experts, explore innovative and sustainable solutions, and unlock new growth opportunities, as we continue to be on the forefront of shaping the future landscape of business adaptability and innovation."**

The TCS Pace Studio is designed to cultivate a start-up environment, functioning as a dynamic incubator for business solutions and opportunities. The newly established TCS Pace Studio in the Philippines will deliver a wide range of innovation services, including consulting, design, and

implementation, facilitating clients in exploring new ideas, creating demonstrations, and refining their strategies.

This investment is also a testament to TCS' growing presence in the Philippines, where it has been operational since 2008. With over 5,000 employees in the Philippines, TCS supports customers across diverse sectors including, telecom, banking and finance, real estate, and airlines, driving their growth and transformation. TCS has also been recognised as a Top Employer in the Philippines from 2017 to 2024.

### *Tech Soft 3D Appoints Antonio Parisse as President of End-User Business*

28 August 2024

Tech Soft 3D, the leading provider of engineering software development toolkits and end-user solutions for CAD/CAE data conversion, visualization, and data publishing, today announces the appointment of Antonio Parisse as President of the Industrial Applications Group. Parisse will join the Leadership Team and report directly to Tech Soft 3D CEO Ron Fritz. His extensive experience and deep knowledge of the industrial software industry will enhance the company's ability to identify market opportunities and drive customer satisfaction throughout the product life cycle.

Antonio Parisse brings over 20 years of software leadership experience to Tech Soft 3D. He has successfully developed strategic accounts, led regional sales teams, and expanded global reseller networks. Parisse began his career as a mechanical designer with Schindler Lift in 1998, before moving into CAD/CAM customization and process automation with ABBAX. He then joined Concepta's sales team, providing CAD/FEA services to OEMs such as PSA, Renault, Faurecia, and Airbus. Since 1999, Parisse has led software sales teams in the mold & die industry across Europe, including France, Italy, Spain, and Portugal. Most recently, he served as President of Cimatron, where he was responsible for strategic growth strategies across the business.

"I am delighted to be joining the Tech Soft 3D team," said Parisse. "The company is growing, and I am excited about the newly founded Industrial Applications Group. I am keen to engage with the various teams, business partners, and customers to listen and learn, helping ensure we understand the market priorities and solidify our promise of fueling innovation with unmatched 3D technology."

Commenting on the appointment, Fritz said, "Antonio will be a great asset to our team. His vast experience in innovative software within the manufacturing industry will ensure the future direction of our expanding product portfolio is built upon a solid foundation of knowledge. We are building a strong team at Tech Soft 3D, and Antonio will be a key figure as we accelerate growth and deliver value-added solutions faster to market."

## Event News

### *Aspen Technology to Host 2024 Investor Day*

28 August 2024

Aspen Technology, Inc. (“AspenTech” or the “Company”), a global leader in industrial software, has announced that it will host its 2024 Investor Day on Tuesday, September 17, 2024. The event will start at 1:00 pm ET and is expected to conclude at 5:00 pm ET.

The event will include presentations from Antonio Pietri, President and Chief Executive Officer, David Baker, Chief Financial Officer, and other business leaders within AspenTech. Topics will include the Company’s strategic priorities, business growth drivers, product innovation, and financial outlook. There will be a Q&A session following the presentations.

The event will be webcast and accessible for a limited time on the Webcasts and Events section of the Company’s Investor Relations website at <https://ir.aspentech.com/events-presentations/webcasts-and-events>.

### *Autodesk to present at upcoming investor conferences*

30 August 2024

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

September 5, 2024     Citi 2024 Global TMT Conference

September 11, 2024     Goldman Sachs Communacopia & 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. More information will be available on [investors.autodesk.com](https://investors.autodesk.com).

### *First Cloud-Ready Geometry Kernel Introduction at IMTS 2024*

22 August 2024

Kubotek Kosmos, a leader in geometric software technology, will introduce at IMTS 2024 a new WebAssembly component as part of the 6.0 major release of its 3D Framework libraries. This addition utilizes the open WebAssembly standard to support the development of high-performance and secure SaaS applications for environments such as the web. Combined with the 3D Framework's optimized modeling, CAD translation, and WebGL display components, the new component enables rapid development of precise 3D engineering and manufacturing applications for desktop, client/server, and web-embedded architectures.

#### **Efficient Libraries for Downstream Use**

The key cloud-ready innovation is that Kosmos technology is able to minimize the number of transactions needed between client and server applications. Its libraries have a small enough memory footprint to execute directly embedded in a website, within a web browser extension, or inside a light client app combined with traditional server-side resources. Providing a

compiled Wasm library further improves load times and processing performance over exclusive use of interpreted languages like JavaScript.

A major advantage client-side processing provides is precise query operations such as mass properties, pattern recognition, or tessellation don't incur a performance delay due to back-and-forth communication across the internet to a server, as other kernels typically do. There is a secondary advantage for the vendor in reducing costs of hosted server utilization. Mixing this client-side processing strategy into a cloud application architecture is ideal for 3D apps used by manufacturing, inspection, and maintenance groups who need to re-use precise CAD part models published by engineering.

"We believe this WebAssembly component is a milestone of speed and portability for the building blocks of specialized cloud-based precise 3D applications," said Ram Eswaran, Kubotek Kosmos CTO/COO. "Previous-generation geometric modeling kernels are too monolithic and entrenched in traditional operating systems to be adapted to new platforms so rapidly. We are excited to be helping established desktop development partners quickly deliver these capabilities for their key customers," added Eswaran.

### **Unique Capabilities for the Model-based Supply Chain**

Manufacturers with sophisticated supply chains are rapidly transitioning to make 3D Model-Based Definition (MBD) the standard authority in place of engineering drawings. For example, earlier this year Lockheed Martin published the first edition of a Model-Based Enterprise Supply Chain Playbook.

The 6.0 release of the Kubotek Kosmos 3D Framework also features another major new component which adds comprehensive support for MBD data as part of its Kosmos Core Model (KCM) database. Having these capabilities in a single API — geometric modeling, CAD translation, graphical display, and manufacturing annotations/tolerances — allows 3D application developers to quickly build support for reading MBD datasets and authoring derivative data to preserve a digital thread to the original part definition.

### **IMTS 2024**

Key software engineering staff will be available in the Kubotek Kosmos booth (#133151) at the International Manufacturing Technology Show (IMTS) in Chicago, September 9–14, to consult with teams looking to build cloud and/or manufacturing apps.

### *Keysight to Participate in Upcoming Investor Conferences*

22 August 2024

Keysight Technologies, Inc. announced that members of its management team will participate in the following investor conferences.

Jefferies Semiconductor, IT Hardware & Communications Technology Conference

Tuesday, August 27, 2024

Meetings only

Mark Wallace, SVP, Global Sales, Chief Customer Officer

Deutsche Bank 2024 Technology Conference  
Wednesday, August 28, 2024  
Fireside Chat - 2:45 p.m. PT / 5:45 p.m. ET  
Neil Dougherty, CFO

Citi 2024 Global Technology Conference  
Wednesday, September 4, 2024  
Fireside Chat - 1:40 p.m. PT / 4:40 p.m. ET  
Neil Dougherty, CFO

Goldman Sachs Communacopia + Technology Conference  
Monday, September 9, 2024  
Fireside Chat - 10:50 a.m. PT / 1:50 p.m. ET  
Neil Dougherty, CFO  
Mark Wallace, SVP, Global Sales, Chief Customer Officer

A live audio webcast of the fireside chats will be available the day of the event on the Keysight Technologies website at [investor.keysight.com](https://investor.keysight.com). A replay will be available for 90 days thereafter.

### *PTC Will Participate in Upcoming Investor Conferences*

27 August 2024

PTC announced that it will participate in the following conferences.

**What:** Citi's 2024 Global TMT Conference

**When:** Wednesday, September 4<sup>th</sup>, 2024 at 8:20am ET

**What:** 2024 RBCCM Global TIMT Conference

**When:** Tuesday, November 19<sup>th</sup>, 2024

**What:** Barclays 22nd Annual Global Technology Conference

**When:** Wednesday, December 11<sup>th</sup>, 2024

**What:** Nasdaq 51<sup>st</sup> Investor Conference

**When:** Wednesday, December 11<sup>th</sup>, 2024

**To view the webcast and replay for conferences please use the link below.**

**Webcast:** <https://investor.ptc.com/events-and-presentations/events-calendar/default.aspx>

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

## *RBF Morph to Present Groundbreaking Research at the 24th ICAS Congress*

28 August 2024

RBF Morph is set to participate in the 24th International Council of the Aeronautical Sciences (ICAS) Congress, scheduled from September 9-13, 2024, in Florence, Italy.

Founded in 1957 by Professor Theodore von Kármán, the ICAS Congress is a cornerstone event for the global aerospace community. It serves as a vital platform where professionals, companies, and institutions converge to exchange knowledge and drive innovation in aerospace science and technology. This year's congress will once again gather industry leaders, researchers, and policymakers to explore the latest advancements and shape the future of the aerospace industry.

RBF Morph is honored to contribute to this prestigious event with the presentation of our paper, "Efficient Shape Optimization in Aeronautics: Integrating Parametric CAD and Mesh Morphing for Enhanced Aerodynamic Performance." This research addresses critical challenges in the aerospace sector, particularly in the context of increasing electrification and the demand for optimized aerodynamic performance.

The paper introduces a novel optimization workflow that merges the strengths of parametric CAD and mesh morphing techniques. By leveraging a scriptable CAD editor, such as the open-source ESP, and combining it with Radial Basis Functions for mesh morphing, the approach allows for the efficient exploration of multiple design points. This method has demonstrated significant potential, as evidenced by its application to the Boeing 787-inspired Open Parametric Aircraft Model (OPAM), yielding promising results in efficiency improvements.

The proposed workflow represents a significant step forward in addressing the complexities of shape optimization in aeronautics, offering a cost-effective and highly innovative solution to the challenges of automatic mesh generation. RBF Morph looks forward to sharing these insights and engaging with the global aerospace community at ICAS 2024.

## *Rockwell Automation to Bring the Connected and Sustainable Mine to MINEXPO 2024*

27 August 2024

Rockwell Automation, Inc., the world's largest company dedicated to industrial automation and digital transformation, announced it will showcase solutions for a connected and sustainable mine at MINEXPO 2024, taking place September 24-26, in Las Vegas.

While the mining industry is making progress towards a sustainable future, mining companies continue to face challenges in reducing their environmental impact. Currently, the mining industry accounts for 6% of the world's energy demand and 4%-7% of global greenhouse gas (GHG) emissions. Automation technology can address these challenges by combining advanced energy management, process optimization solutions, and the latest advancements in artificial intelligence (AI). The connected and sustainable mine initiative from Rockwell reveals how

integrated systems and scalable analytics can enable mine-to-market integration and help customers to make better, data-driven decisions.

"We are thrilled to be part of MINEXPO 2024 to showcase how a connected and sustainable mine is the core of mining efficiency," said Sebastien Grau, vice president, global industries – process, Rockwell Automation. "Attendees that visit our booth will see how Rockwell's solutions not only optimize operations but also imbue every phase with intelligence, from equipment on the ground to the enterprise decision center. Experience the integration of seamless, data-driven process as we transform the operational tempo of mining".

Attendees who visit Rockwell's booth (#6113) can experience first-hand the digital solutions that are transforming the mining industry.

**Mine-To-Market Integration** – Begin with a guided and comprehensive interactive demo featuring Rockwell's Mining Operation Management Suite (MOM), a powerful digital solution that improves your bottom line by connecting disparate systems and data – delivering a single version of truth by providing information in the same context across your operation for better decision making.

**Asset Reliability** – Featuring Mining Solutions Asset Intelligence for Mining, this area will show why equipment reliability in mining is essential. Gain insight into machine health and plan your maintenance instead of responding to unexpected breakdowns.

**Process Optimization** – Mineral processing plants are inherently complex, facing internal and external disturbances. Explore the interactive demo to learn how model predictive control can help reduce cost per ton, lower energy intensity and plant costs, meet regulatory requirements and more!

**Sustainable Operations** – Rockwell and its partner Aquatic Life Ltd will show a collaborative approach to sustainability and water stewardship, including innovative water automation solutions. Rockwell's customers will be enabled to accelerate and achieve their water efficiency and conservation objectives through the visualization, analysis, and control of their operations.

**Robotics Inspections** – Introducing the Husky Observer from Clearpath Robotics, a Rockwell Automation Company: A rugged, autonomous data collection system, ready out-of-the-box robot for basic inspection tasks. Room for customization and new payloads will be present at Rockwell's booth.

**Augmented Reality** – See and interact with Rockwell's scale model of a ball mill as an example of how AR/VR has been applied in a real mine and see the workforce of the future in action. Use AR and 3D interactions for guided step-by-step work instructions to improve performance, safety, and morale — and reduce costs!

## *Rockwell Automation to Present at Morgan Stanley Laguna Conference*

29 August 2024

Rockwell Automation, Inc. Chairman and CEO, Blake Moret, and SVP and CFO, Christian Rothe, will present at the Morgan Stanley 12th Annual Laguna Conference on Thursday, Sept. 12, 2024, in Dana Point, California.

The fireside chat will be webcast beginning at approximately 12:15 p.m. PDT and will be available on the Rockwell Automation Investor Relations website at [www.rockwellautomation.com/en-us/investors.html](http://www.rockwellautomation.com/en-us/investors.html).

## *Schaeffler presents technologies and services for maximum reliability, sustainability and availability in rail transportation*

26 August 2024

Schaeffler invites to join a discussion on the future of rail transport at the InnoTrans 2024 trade fair in Berlin, Germany: From September 24 to 27, 2024, the Motion Technology Company will be showcasing product solutions for maximum reliability and availability, sensor-based systems and data models for predictive maintenance, and services for greater efficiency and sustainability in Hall 21, Booth 430.

"The portfolio we are presenting at InnoTrans 2024 once again proves that sustainability is a powerful driver of innovation in the rail sector," said Dr. Michael Holzapfel, Senior Vice President, Business Unit Rail at Schaeffler. "Our technologically pioneering products and services ensure greater energy efficiency, conservation of resources, and maximum uptime. In this way, Schaeffler not only supports our customers' sustainability goals but also makes a strategically important contribution to their competitiveness."

### Products for greater reliability and availability

Reliable and robust products – as exemplified by Schaeffler's TAROL axlebox bearings, one of Schaeffler's main exhibits at InnoTrans 2024 – are crucial for ensuring maximum uptime and efficiency in rail transportation. Renowned for their long service life and significantly extended maintenance intervals, these exceptionally low-friction bearings are suitable for passenger trains, high-speed trains, freight and heavy goods transport, as well as locomotives, subway trains and streetcars.

Schaeffler manufactures its TAROL axlebox bearings on an application-oriented basis according to customer-specific design requirements. This includes, for example, adapting bearing dimensions and materials to the required payload and mileage. Special friction-optimized seals are available for freight transport locomotives (Class GG), while variants are also offered for heavy goods traffic (Class K), ensuring energy-efficient as well as safe operation. Schaeffler's TAROL axlebox bearings and their components are qualified according to the AAR (Association of American Railroads) standard as well as the European EN 12080 standard, making them suitable for use in regions including the U.S., Australia, India and Southeast Asia.

Data-based condition monitoring enables predictive maintenance

Schaeffler's Data Matrix Code (DMC) serves as the starting point for the digital supply chain of its products by identifying components with a unique laser marking. This allows for the continuous recording of product and operating data as well as maintenance information, thereby creating a digital twin for condition monitoring and predictive planning of maintenance intervals.

At the same time, the DMC serves as the digital reference for data exchange between Schaeffler, OEM suppliers and railway operators. By alternately linking databases, condition monitoring systems can be set up to access data from existing fixed systems (wayside monitoring devices). At InnoTrans 2024, Schaeffler is presenting an entry-level model based on a feasibility study conducted in Switzerland. Schaeffler will also showcase vehicle-based railway condition monitoring systems (RCMS), which further increase rail traffic safety.

Remanufacturing for more economical and sustainable rail operations

The closed-loop system is a key approach to sustainable management in rail transportation. To that end, Schaeffler has developed an extremely successful remanufacturing service for bearings that can achieve up to 95 percent resource savings, depending on the extent of reconditioning required. At the same time, Schaeffler offers the same quality and safety standards with its 100 percent return service, and the remanufactured bearings include the same warranty as new products. As a full member of the "Railponsible" initiative, Schaeffler reaffirms its commitment to greater sustainability in the railway industry.

In another first, Schaeffler will also have its Smart Maintenance Tools (formerly known as Bega Special Tools) on display at InnoTrans. This addition completes Schaeffler's portfolio, providing a comprehensive approach that ranges from sustainable products and services to reconditioning and maintenance.

### *Simulations Plus to Participate in the Morgan Stanley 22nd Annual Global Healthcare Conference*

28 August 2024

Simulations Plus, Inc. ("Simulations Plus"), a leading provider of biosimulation, simulation-enabled performance and intelligence solutions, and medical communications for the biopharma industry, announced that Shawn O'Connor, chief executive officer, will participate in the Morgan Stanley 22nd Annual Global Healthcare Conference at the Marriott Marquis New York, on Friday, September 6, 2024. Mr. O'Connor will host one-on-one and small group meetings throughout the day.

This event is expected to include more than 200 companies as well as a preeminent group of investor attendees, including chief investment officers, portfolio managers and analysts. For more information about the conference, please visit the [Morgan Stanley conference website](#).

## *Xometry to Participate in Upcoming Investor Conferences*

27 August 2024

Xometry, Inc., the global AI-powered marketplace connecting enterprise buyers with suppliers of manufacturing services, announced that management will attend the following investor events:

- Citi's 2024 Global TMT Conference, Wednesday, Sept. 4, in New York City;
- Goldman Sachs Communacopia + Technology Conference, Wednesday, Sept. 11, in San Francisco, including a fireside chat at 4:25 p.m. P.T. A webcast and replay of the chat will be accessible within the [Investor Relations section of Xometry's website](#);
- CL King's 22nd Annual Best Ideas Conference 2024, Monday, Sept. 16, virtual.

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

## Financial News

### *3D Systems Reports Second Quarter 2024 Financial Results*

29 August 2024

3D Systems Corp. announced its financial results for the second quarter ended June 30, 2024.

#### **Second Quarter Financial Results and Recent Business Highlights**

*(All numbers are unaudited and are presented in millions, except per share amounts or as otherwise noted)*

- Q2'24 revenue of \$113.3 million increased 10.1% quarter-over-quarter across printers, materials and services and both Healthcare and Industrial markets. Year-over-year revenue decreased 11.7% primarily driven by lower printer sales, partially offset by growth in services
- Q2'24 gross profit margin of 41.6% and Non-GAAP gross profit margin<sup>(1)</sup> of 40.9%. Improvements from prior year period primarily driven by favorable mix
- Q2'24 net loss of \$27.3 million, diluted loss per share of \$0.21, and Non-GAAP diluted loss per share<sup>(1)</sup> of \$0.14, including approximately \$2 million (or \$0.01 per share) of transient fees related to extended 2023 audit
- Q2'24 negative Adjusted EBITDA<sup>(1)</sup> of \$12.9 million reflects impacts of lower total sales volume, and higher than anticipated operating expenses primarily driven by 2023 audit related costs

- Updating guidance for remainder of FY'2024 to now include expectation for continued sequential quarterly improvement and full-year revenues within the range of \$450 million - \$460 million

### **Summary Comments on Results**

Commenting on second quarter results, Dr. Jeffrey Graves, president and CEO of 3D Systems said, "We are encouraged by the sequential revenue progress we delivered during the second quarter despite a challenging operating environment. Our top-line improved 10% quarter-over-quarter, reflecting strong performance by our Industrial and Healthcare markets for hardware, materials, and services. While our second-quarter revenue saw a year-over-year decline, this was primarily due to reduced printer sales to a specific dental customer and ongoing macroeconomic pressures on customer capital spending. We remain optimistic about the future given our most recent sequential recovery and continued momentum in our robust customer pipeline. As a result, given our performance through the first half and current macroeconomic and geopolitical conditions, we are now targeting revenues for the full-year 2024 in the range of \$450 million - \$460 million, as we anticipate continued sequential revenue improvements in the third and fourth quarters."

Dr. Graves continued, "During the quarter, we continued to deliver gross margin improvements annually and sequentially, in spite of the year-over-year volume decline. Looking forward, we believe our in-sourcing and restructuring actions, which have favorably impacted our cost-of-goods this year, will continue to drive gross margin expansion moving forward. Additionally, we are beginning to demonstrate steady improvement with respect to our operating expenses, which should accelerate in the second half of the year. While many of these costs remain elevated from the prior year, the primary driver is related to costs associated with our extended 2023 audit, which we expect will be more muted in the third quarter and then fully behind us by the fourth quarter. We expect to exit the year with normalized Non-GAAP operating expenses below \$60 million by the fourth quarter, which on an annualized basis would be within our previously provided full-year range. In combination with the sequential improvement in revenues expected throughout the second half, we believe the significant reduction of operating expense in the second half will propel the company to near break-even adjusted EBITDA for the fourth quarter. While conditions remain challenging in the near-term, we have taken considerable actions to derisk our balance sheet since the end of 2023 and believe we are well-positioned with our critical R&D investments to capitalize on a very bright future ahead."

### **Summary of Second Quarter Results**

Revenue for the second quarter of 2024 decreased 11.7% to \$113.3 million compared to the same period last year, primarily driven by lower printer sales and partially offset by growth in services.

Healthcare Solutions revenue decreased 19.7% to \$48.9 million compared to the same period last year primarily due to a decline in printer sales to a large orthodontics customer, partially offset by growth in our personalized health services business.

Industrial Solutions revenue decreased 4.4% to \$64.4 million compared to the same period last year with declines noted year-over-year in both hardware and materials but increasing on a consecutive quarter basis.

Gross profit margin for the second quarter of 2024 was 41.6% compared to 39.0% for the same period last year. Non-GAAP gross profit margin was 40.9% compared to 38.9% for the same period last year. Gross profit margin increased primarily due to favorable product mix, partially offset by unfavorable absorption associated with lower volumes.

Operating expense for the second quarter of 2024 was \$73.5 million compared to \$81.7 million for the same period last year. Non-GAAP operating expense of \$64.2 million increased \$2.1 million compared to the same period last year and included approximately \$2 million of higher external auditor fees and outside services primarily related to the delayed filing of the Annual Report on Form 10-K for the year ended December 31, 2023.

Net loss attributable to 3D Systems Corporation for the second quarter of 2024 was \$27.3 million compared to a net loss of \$28.9 million for the same period last year.

Adjusted EBITDA decreased by \$6.0 million to a loss of \$12.9 million in the second quarter of 2024 compared to the same period last year. The decrease in Adjusted EBITDA primarily reflects lower total sales volume and an increase in operating expense.

### **Updating 2024 Outlook**

Based on current macroeconomic and geopolitical conditions, 3D Systems is updating its financial guidance for the remainder of 2024 as follows:

- Revenues for the full-year 2024 within the range of \$450 million - \$460 million, with continued sequential revenue improvement in Q3'24 and Q4'24
- Non-GAAP gross profit margin for the full-year 2024 within the range of 40% - 42%
- Non-GAAP operating expense of less than \$60 million for Q4'24 and for the full-year 2024 within the range of \$248 million - \$253 million
- Adjusted EBITDA near break-even for Q4'24

### **Financial Liquidity**

At June 30, 2024, the company had cash and cash equivalents of \$192.7 million, a decrease of \$138.8 million since December 31, 2023. The decrease resulted primarily due to cash used in operations of \$36.3 million, capital expenditures of \$7.2 million, and repayment on borrowings of \$87.2 million. At June 30, 2024, the company had total debt, net of deferred financing costs of \$211.4 million.

### **Q2 2024 Conference Call and Webcast**

The company will host a conference call and simultaneous webcast to discuss these results on August 29, 2024, which may be accessed as follows:

Date: Thursday, August 29, 2024

Time: 5:00 p.m. Eastern Time

Listen via webcast: [www.3dsystems.com/investor](http://www.3dsystems.com/investor)

Participate via telephone: 201-689-8345

A replay of the webcast will be available approximately two hours after the live presentation at [www.3dsystems.com/investor](http://www.3dsystems.com/investor).

### *Blackline Safety Announces Fiscal Third Quarter 2024 Financial Results Conference Call*

28 August 2024

Blackline Safety Corp., a global leader in connected safety technology, announced it will release fiscal third quarter 2024 financial results before markets open on Wednesday, September 11, 2024. 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 2024 Financial Results Conference Call**

**When:** Wednesday, September 11, 2024

**Time:** 11:00 am ET

**Webcast Link:** <https://www.gowebcasting.com/13632>

**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: +1-844-763-8274
- International Toll: +1-647-484-8814

A replay will be available after 2:00 PM ET on September 11, 2024 through October 11, 2024 by dialing +1-855-669-9658 (Canada Toll Free), +1-877-344-7529 (USA Toll Free) or +1-412-317-0088 (International Toll) and entering access code 9016403.

### *Invitation to Tecsys' Conference Call on September 6, 2024, Covering First Quarter FY2025 Results*

23 August 2024

Tecsys Inc. will release its financial results for the first quarter of fiscal year 2025 ended July 31, 2024, on September 5, 2024, after the markets close. Tecsys President and CEO Peter Brereton, and CFO Mark J. Bentler, will host a conference call on September 6, 2024, at 8:30 a.m. EDT to present and discuss the results with the analysts.

**Subject:** Q1 FY2025 Financial Results Conference Call

**Date:** September 6, 2024

**Time:** 8:30 a.m. EDT

**Phone number:** (800) 836-8184 or (646) 357-8785

The call can be replayed until September 13, 2024, by calling (888) 660-6345 or (646) 517-4150 (access code: 81086 #).

## *Stratasys Releases Second Quarter 2024 Financial Results*

29 August 2024

Stratasys Ltd. announced financial results for the second quarter 2024.

### **Second Quarter 2024 Financial Results Compared to Second Quarter 2023:**

- Revenue of \$138.0 million, compared to \$159.8 million (\$154.6 million net of divestments).
- GAAP gross margin of 43.8%, compared to 41.5%.
- Non-GAAP gross margin of 49.0%, compared to 48.5%.
- GAAP operating loss of \$26.0 million, compared to an operating loss of \$33.7 million.
- Non-GAAP operating loss of \$3.2 million, compared to non-GAAP operating income of \$5.0 million.
- GAAP net loss of \$25.7 million, or \$0.36 per diluted share, compared to a net loss of \$38.6 million, or \$0.56 per diluted share.
- Non-GAAP net loss of \$3.0 million, or \$0.04 per diluted share, compared to non-GAAP net income of \$2.5 million, or \$0.04 per diluted share.
- Adjusted EBITDA of \$2.3 million, compared to \$10.6 million.
- Cash used in operating activities of \$2.4 million, compared to \$23.2 million.

### **Business Update:**

Following a comprehensive strategic review, Stratasys is taking focused restructuring actions to further strengthen its industry leading balance sheet and robust business model to more effectively weather all market cycles. The initiatives are expected to support ongoing focused innovation investments and facilitate wider adoption of additive manufacturing.

Effective immediately, the Company will streamline operations and enhance its go to market strategy to focus on the highest growth potential products, materials and software solutions. By the end of this year, the Company will have rightsized its workforce by approximately 15%. These steps are expected to produce approximately \$40 million in annual cost savings beginning in the first quarter of 2025, along with annualized EBITDA margins of 8% at current revenue levels. Furthermore, in addition to sustainable profitability, the Company will remain well-positioned to act upon opportunities that may arise.

Dr. Yoav Zeif, Stratasys' Chief Executive Officer, stated, "For the Company to maintain its industry leadership, we continuously evaluate and assess our business model to ensure we are optimally aligned with evolving market conditions. We are confident that our efforts will enable our customers to more effectively address their biggest manufacturing challenges, which should lead to increased adoption of our additive technologies. This realignment is critical to ensure that we can achieve our objectives to deliver sustained profitability and cash flow, while

remaining ready to capture opportunities when the spending cycle improves, positioning Stratasys to deliver outsized shareholder value.”

Dr. Zeif continued, “During the quarter we achieved strong consumables sales, and strengthened our market position with the addition of leading products, including the H350 version 1.5 printer, the J5 Digital Anatomy printer, and many exciting new software offerings. We understand the importance of a disciplined approach to balancing investment in innovation with staying focused on delivering the most impactful additive manufacturing applications to our customers and value to shareholders.”

### **2024 Financial Outlook:**

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

- Revenue of \$570 million to \$580 million.
  - Third quarter revenue slightly higher than second quarter revenue.
- Non-GAAP gross margin of 48.7% to 49.0%.
- Operating expenses of \$276 million to \$278 million.
- Non-GAAP operating margin of 0.5% to 1.0%.
- GAAP net loss of \$106 million to \$91 million, or (\$1.50) to (\$1.29) per diluted share.
  - Includes one-time extraordinary costs associated with Stratasys’ strategic alternatives process.
- Non-GAAP net income of \$1 million to \$4 million, or \$0.01 to \$0.05 per diluted share.
- Adjusted EBITDA of \$24 million to \$27 million.
- Capital expenditures of \$20 million to \$25 million.

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

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

### **Stratasys Ltd. Second Quarter 2024 Webcast and Conference Call Details**

The Company plans to webcast its conference call to discuss its second quarter 2024 financial results on Thursday, August 29, 2024, at 8:30 a.m. (ET).

The investor conference call will be available via live webcast on the Stratasys website at [investors.stratasys.com](https://investors.stratasys.com), or directly at the following web address:

<https://event.choruscall.com/mediaframe/webcast.html?webcastid=2xc8Kb5W>

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

## Implementation Investments

### *dSPACE develops simulation solutions with CIM Database Cloud*

22 August 2024

The leading provider of test and simulation solutions for the mobility industry and other sectors introduces CONTACT Software's CIM Database Cloud as its PLM platform. It enables dSPACE to accelerate product development, support quality assurance, reduce costs for technical infrastructure, and ensure high IT security.

Wherever complex systems need to be developed and validated, solutions from dSPACE come into play. The company's comprehensive portfolio enables automotive manufacturers and their suppliers to develop and test software and hardware components for new vehicles long before they hit the road. Beyond vehicle development, dSPACE is also a sought-after partner in the aerospace industry and industrial automation. Now, dSPACE relies on CIM Database Cloud from CONTACT Software to increase efficiency in product development.

Previously, dSPACE used a self-developed solution that no longer adequately supported the company's strong international growth. Data was distributed across multiple IT systems, which lacked the scalability to map complex business processes. By implementing CIM Database Cloud, dSPACE reduces routine tasks and sources of error while increasing productivity and quality in product development and manufacturing processes.

The existing development environment consisting of the ECAD system Altium Designer, the MCAD system Autodesk Inventor, and an ERP system has already been integrated into CIM Database Cloud. A connection to manufacturing service providers is currently being implemented, which will simplify data exchange and make it traceable. Further integrations are planned.

dSPACE has deliberately chosen the Platform as a Service (PaaS) operating model. "The PaaS model with its extensive DevOps services supports dSPACE's digital transformation strategy, as it allows us to optimally map our business processes," says Christian Böhner, Project Manager for the PLM implementation at dSPACE. Other cloud-based solutions (such as ERP) can be seamlessly integrated in a data-driven and cloud-native manner, without dependencies on local infrastructure. This creates an end-to-end digital thread between the various development departments and production. Additionally, the cloud solution provides high security standards and reduces infrastructure costs.

dSPACE is one of the world's leading providers of simulation and validation solutions used in the development of connected, self-driving, and electrically powered vehicles. The company's

offerings range from comprehensive solutions for simulation and validation to engineering and consulting services, as well as training and support. dSPACE is headquartered in Paderborn and has three project centers in Germany, along with subsidiaries in the USA, the UK, France, Japan, China, Croatia, South Korea, India, and Sweden. More than 2,600 employees work for the company worldwide.

## *IRO Builds Robust Data Foundation with Centric PLM and Accelerates Collection Development*

26 August 2024

Centric Software® is pleased to announce that IRO has successfully deployed Centric PLM™ in alignment with its plans for future expansion. Centric Software provides the most innovative enterprise solutions to plan, design, develop, source, buy, make, price, allocate, sell and replenish products such as fashion, outdoor, luxury, multi-category retail, grocery, food & beverage, cosmetics & personal care and consumer electronics to achieve strategic and operational digital transformation goals.

Founded in Paris in 2005, IRO offers women and men strong pieces with carefully selected materials and cuts, combining inspiration from the streets of New York, Paris and Tokyo. The brand started out as a private label, but quickly won over women in the world's biggest cities growing to 100 boutiques and 600 points of sale around the globe today.

The adoption of a PLM solution addresses IRO's rapid growth and consolidation strategy. "With faster collection cycles and shorter development times, we had to be able to monitor our collections from start to finish but didn't have any tools to track our materials, lead times or suppliers," recalls Delphine Delente, PLM Project Manager and Studio Manager at IRO. "Many operations were carried out by hand, and we worked with spreadsheets as well as a lot of paper documents."

The project was completed in just nine months, negating the need to work in two separate systems. The fall collection is on a single platform: Centric PLM. The initial phase focuses on clothing/textiles and will soon expand to accessories.

Within the first few weeks IRO noticed significant improvements: information from the collection development team, whose major contributions come very early in the design and development process, was much more accurate. "This has enabled us to speed up collection development," notes Delente.

"By entering and sharing accurate information in real time, we can avoid numerous omissions and errors that could have an impact on the rest of the product development process. In an industry where time is of the essence, this is an invaluable asset," adds Julien Roques, IRO's Information Systems Director.

"The accuracy of our costing also helps to streamline production," comments Delente. "We are now planning to optimize margin calculations as well, to get price estimates as early as the collection development phase, without having to systematically call on our production

manager. At the end of the collection, the production team no longer has to re-enter all the data into the ERP system.”

Lastly, thanks to Centric PLM, IRO is able to speed up time-to-market. “This advance planning saves us a lot of money. We don’t have to rush to contact our Paris studios to finalize sample assembly because of delays in fabric supply. In the past, we weren’t able to avoid this type of incident and it cost the business tens of thousands of euros,” she explains, before concluding, “In terms of data, Centric PLM has really become the master at IRO.”

Today, even those employees who were the most attached to traditional methods are happy to easily access more information. By appointing dedicated business leaders involved at every stage of the project alongside the technical and IT teams, decisively contributed to the successful adoption of the solution. “Personally, I wouldn’t be able to run the studio without PLM!” laughs Delente.

“We are 200% satisfied with the Centric teams; they have been very responsive, attentive to our needs and efficient,” she concludes. “Without hesitation, I would recommend Centric and if I were to change companies, I would make sure they used Centric PLM!”

“IRO is an iconic design-driven brand and we are delighted to partner with them for their growth trajectory,” says Chris Groves, CEO of Centric Software. “This successful deployment is the first step in a long-term collaboration. We look forward to supporting IRO as they reach new heights in the global fashion stage.”

### *Red Wing Shoe Company Builds Success with Kahua for Construction Project Management*

27 August 2024

Kahua, a leading provider of capital program and construction project management information systems (PMIS), announces that its software has been used in the creation of numerous retail shops for Red Wing Shoe Company, one of the most respected safety footwear manufacturers and retailers in the country.

With over 500 authorized Red Wing Shoe retailers, 170 mobile shoe stores and a growing retail network, the need for a comprehensive project management solution became crucial. The manufacturer/retailer selected Kahua in 2021 after vetting 13 other PMIS solutions.

“I no longer have to worry about something getting missed,” said Jessie Grider, a construction project manager responsible for dealer communications and ensuring construction adherence to brand standards. “... If the construction team and GC are working in Kahua, we are so much more efficient.”

Particularly of note for Red Wing Shoe Company were Kahua’s customizable reports, timeline management, portfolio management capabilities and easy access to Kahua support when questions arose.

“We don’t have to over-communicate any more, CC’ing five people on an email in hopes that it gets to the right person,” Grider said. “In Kahua, the message automatically goes to the right person. It’s more efficient communication that can’t get lost in an inbox.”

The collaborative nature of Kahua is also instrumental for Red Wing Shoe Company. Users can seamlessly connect with other team members and share data, documents and workflows on multiple projects while still maintaining specific processes set by departments. The platform can also define roles and responsibilities which helps keep everyone on task.

### *Sanford Health Partners with Infor to Unify Critical Business Applications in the Cloud*

26 August 2024

Infor, the industry cloud company, announced that Sanford Health, the largest rural health care system in the United States serving more than 1.4 million patients, will implement a suite of Infor cloud-based applications designed for healthcare to streamline and modernize functions across its network. The integrated health system has 48 medical centers, 211 clinic locations, more than 160 Good Samaritan Society senior living centers, 2,900 Sanford physicians and advanced practice providers, 540 active clinical trials and nine world clinic locations around the globe. With Infor, Sanford Health will be able to better leverage data to break down silos across departments, streamline workflows, and gain real-time insights, freeing up caregivers to prioritize care.

Sanford Health decided to partner with Infor because of its modern, cloud-based architecture, and ability to offer health care-specific finance and supply chain solutions that meet the organization’s requirements without extensive manual customization. In addition, Infor’s solutions integrate seamlessly into Sanford’s current business needs and processes, providing leadership with real-time data. Lastly, Infor was able to clearly demonstrate its commitment to health care, extensive product roadmap, and forward-thinking approach.

Infor Healthcare offers industry specialized applications that provide one source of truth, with cloud flexibility, anytime, anywhere access, a beautiful user interface and healthcare-specific analytics. Its innovative system has the capabilities to unify processes across the employee lifecycle while seamlessly integrating with the core enterprise financial management and payroll solutions.

“We look forward to supporting Sanford Health in achieving greater operational efficiency and delivering exceptional health care services to the communities they serve,” said Steve Fanning, senior vice president, Infor.

### *SUBARU Chooses Informatica’s AI-Powered Intelligent Data Management Cloud Platform to Drive a Data-Driven Customer Experience*

22 August 2024

Informatica, a leader in enterprise AI-powered cloud data management, announced that SUBARU Corporation (SUBARU) has chosen to implement Informatica’s AI-powered Intelligent

Data Management Cloud™ (IDMC), to enable the automaker to drive a global-scale data integration project.

SUBARU was faced with siloed data and utilization issues in 2019 with each department and operation handling data in isolated systems which resulted in disparate data. In 2020, SUBARU launched their global PLM (Product Lifecycle Management) project with an aim to consolidate data from business-critical processes, from vehicle development to production and after-sales maintenance, and develop a company-wide data integration platform to connect, track and share trusted data across their departments. The data integration platform supporting the global PLM project was completed in 2022 and went “live” in production that year, enabling lifetime data such as vehicle development to manufacturing, sales and maintenance, to customer IDs and other information to be seamlessly linked.

“With the help of Informatica, we are able to connect, integrate and strengthen our data linkage as early as technical development and design stages, and thus improve the quality of our car manufacturing,” said Kentaro Ichikawa, Chief of the Data Management and Utilization Promotion Department at SUBARU Corporation. “As our AI-powered data management partner, Informatica plays an integral part in our data integration project. The transformation brought SUBARU closer to realizing our two missions as it not only benefited our employees’ productivity level but also enhanced the customer experience.”

Informatica's AI-powered IDMC platform and its cloud data integration and catalog capabilities enable SUBARU to curate data from its development, procurement, manufacturing, sales and maintenance services on a global scale to drive business insights from reliable and trustworthy data. The low-code/no-code environment within IDMC also enables SUBARU to scale its data integration through automation and eliminate data silos to allow users to drive greater data visibility across business functions from their business intelligence (BI) tool.

As of now, approximately 400 data assets have been cataloged and SUBARU plans to expand the range of users who utilize the data integration platform in their daily work through BI tool in the future.

“SUBARU’s decision to move to a single, AI-powered cloud data management platform with a consumption-based pricing model allowed them to advance at their own pace and remain flexible and adaptive to their business environment and needs,” said Taito Kozawa, Country Manager and President of Informatica Japan. “Informatica is proud to be the partner of choice for enterprise cloud data management to help SUBARU solve their upstream and downstream data challenges, empowering users across their organization to drive trusted business insights through transformative power of data on our AI-powered IDMC platform.”

### ***Toyo Tire selects HPE GreenLake cloud to accelerate HPC-powered digitized development of next-generation tires***

22 August 2024

Hewlett Packard Enterprise announced that Toyo Tire Corporation selected HPE to deliver its seventh generation high performance computing (HPC) system, which is three times more

powerful than its predecessor, as a-service through HPE GreenLake cloud. The upgraded system and boosted performance accelerate time-to-market for next-generation tires by processing structural tire data quickly and with greater precision. The expanded computational power significantly reduces the time required for complex and parameter-rich large-scale design simulations that Toyo Tire utilizes to train its AI models.

“Toyo Tire continues to demonstrate innovation in tire engineering and development using high performance computing,” said Hirokazu Mochizuki, senior vice president and managing director for HPE Japan. “We are pleased to collaborate with Toyo Tire and strengthen its digitized development with powerful HPE Cray performance delivered via HPE GreenLake cloud. The latest solution provides Toyo Tire an optimal level of performance, in a flexible environment, to support a new era of innovation, with speed and efficiency.”

The latest advancements allow Toyo Tire to stay ahead of market needs to innovate new generations of tires that address global trends, including transitions to electric vehicles (EVs) and overall improvement to performance and features to minimize environmental impact across fuel consumption, noise levels, wear resistance and load-bearing capacity.

“As the automotive industry accelerates its digital transformation and increasingly moves towards simulation instead of prototyping and performance evaluation testing, automakers are increasingly requesting mathematical models of tires which is a faster, more cost efficient and sustainable process,” said Tamotsu Mizutani, Corporate Officer and Division General Manager, Technology Development Division of Toyo Tire. “This requires numerical models of the tire and our new HPC system will advance this move towards digitized simulation. Our design engineers are excited about the enhanced capabilities of the system, and we are looking forward to accelerating the training of our AI models.”

Toyo Tire worked with a team of HPE experts on TOYO-FEM, one of its critical in-house computer-aided engineering (CAE) applications, to optimize its computing resources. The team significantly improved the application's performance by nearly three times, enabling more designers to run simulations simultaneously. The time required to simulate a large-scale design combining multiple design parts is reduced up to one-half or less compared to the previous system. The optimization has also substantially improved Toyo Tire's deep learning inverse problem solver, which relies on analysis from simulations to formulate next-generation design specifications such as tire structure, shape and patterns.

Toyo Tire selected HPE GreenLake cloud to capitalize on a fully managed, end-to-end solution for its large-scale HPC system, which leverages HPE Cray XD systems, to gain flexibility to significantly upgrade its HPC resources and enable more access to designers.

The HPE GreenLake cloud delivers a modern cloud experience, including managed infrastructure, consumption analytics and predictable economics that streamlines IT and business operations. In addition, the HPE Cray XD systems deliver expanded performance with higher density, allowing Toyo Tire to maximize its data center space with existing resources.

## *Uptake Enables Lynden Transport to Enhance Fleet Efficiency*

27 August 2024

Leading data analytics provider Uptake is excited to announce a new collaboration with Lynden Transport, a full-service transportation and logistics provider. Uptake's software empowers fleets and industrial machines with the information needed to make better, more strategic maintenance decisions. This collaboration leverages Uptake's Samsara TSP connector to optimize Lynden's fleet performance and reduce operational costs.

Lynden has been utilizing Uptake's Samsara TSP connector for the past several months, and the results have been overwhelmingly positive. The integration enables Lynden to customize its equipment maintenance services, ensuring fleet operations are more efficient and reliable.

"We are thrilled to partner with Lynden, a well-established name in the transportation industry," said Cam McGill, Senior Diagnostic Technician at Uptake. "Our Samsara TSP connector offers a stable and reliable data connection, helping us provide timely and accurate insights that drive significant improvements in fleet maintenance."

### **Key Benefits of the Integration**

Uptake's Samsara TSP connector integrates with Lynden's fleet management system. This powerful combination enables:

- **Reduced Downtime:** By providing real-time, actionable insights, the integration helps prevent unexpected breakdowns.
- **Extended Asset Lifespan:** Predictive maintenance strategies ensure vehicles are serviced before issues become critical, prolonging their lifespan.
- **Improved Safety:** Proactive monitoring and timely interventions enhance overall fleet safety.
- **Cost Savings:** Efficient maintenance practices reduce unnecessary expenses and optimize resource allocation.
- **Enhanced Operational Efficiency:** Streamlined processes and reduced administrative tasks allow for smoother operations.

Lynden has experienced significant improvements in its fleet maintenance and operational efficiency since implementing Uptake's technology. "Our trucks are on the road for long periods, and Uptake's solutions help us thoroughly address issues during planned downtimes rather than dealing with roadside breakdowns," said Charlie Mottern, Lynden Transport's Director of Maintenance.

Aaron Howell, Director of Sales at Uptake, added, "This partnership is a testament to Lynden's commitment to leveraging advanced technology for operational excellence. We are excited to be a part of the company's growth and efficiency strategy."

### **Technical Insights**

The Samsara TSP connector provides a stable data connection, allowing Uptake to backfill six months' worth of historical data, which is crucial for generating accurate predictive insights. This capability sets Uptake apart from competitors by ensuring data cleanliness and reducing data overload. "We distill hundreds of alerts into actionable insights, helping fleets avoid unnecessary maintenance," explained McGill.

### Ongoing Collaboration

Looking ahead, Uptake and Lynden plan to enhance their integration, with potential updates and new features on the horizon. "Lynden continually strives to improve, and we are excited to be part of their growth strategy and efficiency plans," said Howell. "This ongoing collaboration aims to streamline fleet operations further and drive greater efficiency."

## Product News

### *Centric PLM for Food & Beverage Experiencing Strong Market Adoption*

29 August 2024

Centric Software® is pleased to announce the latest round of enhancements to Centric PLM™ for Food & Beverage and Grocery. Centric Software provides the most innovative enterprise solutions to plan, formulate, develop, procure, manufacture and sell consumer goods products in food & beverage, grocery, cosmetics & personal care, fashion and multi-category retail to achieve strategic and operational digital transformation goals.

Since Centric Software launched into the food, beverage and grocery space, hundreds of market-driven enhancements, innovations and best practices have been incorporated into Centric PLM and Centric Visual Boards™. Centric's seamless product concept-to-launch solutions provide compelling ROI to the food and multi-category retail industry such as grocery, by reducing time to market, optimizing costs and improving compliance, traceability and sustainability.

The most recent updates involve compliance management with multi-level impact analysis of ingredients in products. Now, users can find both the presence and percentage of a particular ingredient in every level of the formula of a product, summarized in a convenient report. Following this logic, and at the request of Centric food & beverage customers, a 'flat ingredient list' feature adds up the total amount of each ingredient (including sub-ingredients) in a product. Finally, the creation of multiple new products and sub-products has been optimized.

"These updates are fantastic because they streamline compliance management, making it easier to track ingredient impact and optimize product creation. The new features offer deeper insights and greater efficiency, ensuring users can manage complex formulas with ease," says Centric Software Principal Product Manager, Dr. Jerry Farkas.

The continual addition of industry experts to its ranks across the globe is evidence of Centric Software's commitment to the food & beverage space. Drawing from their diverse backgrounds and experience, the food & beverage team is highly skilled in product development best

practices, kept sharp through ongoing training and exposure to the latest industry trends and innovations.

Centric has developed partnerships and integrations with several entities including: Genesis R&D Food software; Adobe, SOLIDWORKS and Rhino for packaging and artwork approvals; 80+ ERPs; Slack and MS Teams to boost communication; USDA Food Data Central giving access to 300,000 foods; integrations to GDSN.

A collaboration with FoodChain ID connects users to 220 global food and chemical regulatory libraries and databases. Bizcaps Software, the provider of the electronic Product Information Form (PIF) is also a partner—Australian and New Zealand food companies can now send and receive PIFs directly from within Centric PLM, eliminating manual creation and entering of PIF data by pulling real-time information already housed in PLM.

Centric is a silver member of GS1 US and a GS1 member in China and Germany as well. GS1, the organization responsible for barcodes, is introducing a new standard: the 2D code. Consumers can scan for the information they want like allergens, country of origin and ESG data.

Centric PLM for food & beverage has garnered numerous industry accolades—a triple winner of the Just Food Excellence Awards in 2023 and a repeat triple win in 2024 for categories covering: Business Expansion, Innovation, Product Launches and R&D. Add to that, a double win from Just Drinks Excellence Awards. Centric has also been recognized by Business Awards UK for Excellence in Food Technology and by Frost & Sullivan over multiple years. Centric Software is a Red Herring 100 Global winner for Vision, Drive and Innovation and has achieved a Silver Ecovadis rating.

The most meaningful praise, however, comes from actual customers; companies like French retailer Carrefour, Italian spirits giant Montenegro, leading compound seasonings supplier Chengdu SNS Biotechnology Co., Ltd. (SNS), Europe's largest potato products producer Aviko and ingredient supplier Ajinomoto Brazil.

“We are delighted with the market adoption of Centric PLM for food & beverage,” says Centric Software CEO, Chris Groves. “Our customers’ trust in us speaks to our modern functionality, consumer goods focus, user-friendliness and agile approach to end-to-end new product commercialization.”

## *EOS Integrates Oqton’s Build Quality Suite to Facilitate Improved Additive Manufacturing Processes*

26 August 2024

Oqton, a software provider helping manufacturers increase innovation and efficiency by intelligently automating production has collaborated closely with EOS to achieve a tight integration of its Build Quality suite to EOSCONNECT Core. This tool has the potential to enable the production of high-quality parts, and process repeatability for accelerated time-to-market. Oqton Build Quality is an AI-powered solution for metal powder bed printers that evaluates build performance across manufacturing workflows to prevent, detect, and can help with the correction of anomalies and defects. The seamless integration of this solution with EOS

software will enable full end-to-end traceability of additively manufactured parts to help EOS's customers meet demanding quality assurance standards. Additionally, it can help lower production costs by reducing material use, minimizing scrap, and enhancing the effectiveness of engineering teams.

Oqton Build Quality encompasses 3DXpert Build Simulation, Manufacturing OS Build Monitoring, and 3DXpert Build Inspection to monitor the entire manufacturing process and mitigate anomalies resulting from errors during the build setup, printing, or with materials. The solution works with image and sensor technology that is already integrated into a variety of metal printers augmented with cutting edge AI algorithms, thus avoiding the need to invest in additional hardware. Detecting and correcting anomalies early in the process helps ensure the success of each build — from first article inspection through final part — enabling manufacturers to develop repeatable processes for prototyping and production that efficiently yield high-quality parts while reducing costs. The software suite addresses the needs of a variety of manufacturers that rely on additive manufacturing technologies including product and equipment manufacturers (i.e., OEMs), service bureaus and engineering services teams, and those responsible for quality assurance. The solution is designed to focus on key areas before, during and after the build to maximize processes and outcomes.

“The new Oqton Build Quality suite has the potential to lead to a significant leap in terms of quality assessment of additively manufactured metal components,” said Rüdiger Herfrid , product manager, software, EOS GmbH. “The ease of use and automatic reporting capabilities are a key step towards the end-to-end traceability and assessment of AM parts. EOS customers can now access AI capabilities within the Oqton Build Quality suite, thanks to seamless integration with EOS software and the close collaboration between Oqton as a partner of the EOS Developer Network.”

“Metal 3D printing has unlocked reliable production of final parts, but ensuring consistent quality was a challenge,” said Kirill Volchek, chief technology officer, Oqton. “This stems from factors such as inconsistent processes, diverse equipment, and multiple software vendors. Oqton’s Build Quality cuts through this complexity, offering a unified, reliable solution. After proving the technology first with 3D Systems, it’s exciting to see adoption of Build Quality expanding, and our collaboration with EOS is a wonderful next step. I’m looking forward to seeing the positive impact this game-changing solution can have in empowering EOS’s customers to achieve unmatched production efficiency.”

### *KORE and Social Mobile Collaborate on Mobility Solutions for Connected Health*

27 August 2024

KORE, a global leader in Internet of Things ("IoT") solutions and pioneering IoT hyperscaler, and provider of IoT Connectivity, Solutions and Analytics, and Social Mobile, a leading provider of enterprise-grade, purpose-built hardware, jointly announce their groundbreaking collaboration in the Connected Health arena. This collaboration is set to deliver cutting-edge solutions designed to meet the rigorous demands of Connected Health and Remote Patient Monitoring (RPM).

The relationship leverages Social Mobile's enterprise-grade devices, which are engineered for the unique needs of healthcare applications, and KORE's robust IoT connectivity solutions, facilitating seamless data transfer and real-time communication between patients and healthcare providers. Unlike consumer-grade devices, Social Mobile devices are certified for global deployments and guaranteed by Social Mobile to be available for a minimum of three years, enabling healthcare providers to standardize on a single product.

KORE President and CEO, Ronald Totton, said "people have always been at the heart of what we do at KORE, and the company is proud to blaze the trail when it comes to improving patient outcomes. KORE's connectivity, combined with healthcare-specific solutions made by Social Mobile, helps patients get better, more accessible care. We're excited to continue enabling innovative Connected Health solutions for our customers."

One of the key success stories of KORE's relationship with Social Mobile is the transformative impact on Biofourmis, a leader in RPM solutions. Faced with the challenge of integrating a variety of peripherals into a single, user-friendly platform for patient monitoring, Biofourmis turned to Social Mobile and KORE. Together, they delivered a turnkey solution that allows hospitals and medical institutions to provide remote patient care, potentially reducing the need for extended hospital stays.

"We are excited to work with KORE to showcase our combined solutions at the HLTH tradeshow," said Robert Morcos, founder and CEO of Social Mobile. "Together, we're addressing the critical needs of the healthcare industry with purpose-built mobile devices and seamless connectivity, enabling advancements in remote patient monitoring and clinical trials. Our collaboration underscores a shared commitment to innovation and improving patient outcomes through cutting-edge technology."

Beyond RPM, KORE and Social Mobile are poised to help their customers make significant strides in the clinical research sector. With the increased need for accurate and reliable data in real-time, clinical research organizations are turning to KORE and Social Mobile for solutions that help ensure data integrity and patient safety. By integrating KORE's IoT connectivity with Social Mobile's bespoke devices, clinical researchers can now gather critical data with great precision, enhancing the overall quality of clinical trials.

KORE and Social Mobile will showcase these innovations, and more, at HLTH® 2024 in Las Vegas, taking place October 20-23. Attendees will have the opportunity to see firsthand how these cutting-edge solutions are transforming healthcare and clinical research.

### *Oasys 21.0 Workflows Update 1 (W1) for Virtual Testing*

27 August 2024

Historically, vehicle crashworthiness regulations and NCAP safety ratings relied solely on physical testing. New Virtual Testing protocols enhance vehicle safety by assessing design sensitivity across a broader spectrum of conditions while reducing costs.

Oasys 21 features accurate correlation analysis and controls for Virtual Testing. Integrated and complementary tools automate assessments, enabling CAE and safety teams to analyse results thoroughly, with full support for VTC videos and quality checks.

Oasys 21.0 W1 is the latest update to the Oasys Suite's **Virtual Testing Workflows**. It provides comprehensive support for the Euro NCAP Virtual Far Side Simulation and Assessment Protocol.

Highlights include:

- **ISO/TS 18571:2024**  
The correlation rating method has been upgraded to the recently published 2024 revision of the ISO standard.
- **Validation Criteria 1 and 2 (VC1 and VC2)**  
It is now easier than ever to check your simulations against VC1 and VC2, using the latest features of Automotive Assessments and SimVT.
- **Automation**  
You can now automate the correlation and assessment criteria calculations using two new REPORTER templates.

There are also many performance and usability improvements to Automotive Assessments and SimVT, including:

- Improved handling of Parts Selection to eliminate repetitive data entry
- New Correlation Setup Window layout for clearer channel selection
- More control over channel matching
- Automatic calculation of evaluation intervals (TMIN and TMAX)

Further Development

Development does not end with Oasys 21.0 W1. We continuously work on enhancements to the Virtual Testing Workflows, including support for other protocols.

### *Precision Meets Performance With GPU-Accelerated Simulation*

26 August 2024

ModuleWorks announces the upcoming availability of its GPU-accelerated simulation. This new feature uses the processing speed of the workstation's GPU (graphics processing unit) to generate extremely fast and precise simulations of material removal. It is expected to be made available for testing with the ModuleWorks 2024.12 software release.

As machine tools, parts, toolpaths and manufacturing techniques become more complex, it is increasingly important to simulate machining processes as accurately as possible. While many CAM systems offer various methods to visualize and verify the machining process, they often involve a compromise between speed and quality of the verification.

ModuleWorks GPU-accelerated simulation is designed to eliminate this trade off, using the workstation's GPU architecture to rapidly create high-quality simulations of complex machining scenarios. The new feature will be offered as part of the ModuleWorks Cutting Simulation software and can be integrated directly in existing CAM systems, enabling solution providers to upgrade to GPU-accelerated material removal simulation while retaining the full feature-set of the ModuleWorks simulation products.

"ModuleWorks continues to push its innovative development team to bring the most modern technologies to the market with a strong focus on user experience and productivity. Our partners will benefit directly from this new technology becoming broadly available and will be able to offer it to their customers much faster", said Miguel Tobias Johann, Product Director, at ModuleWorks.

"Our CPU-based simulation is already being used by many of our partners during process planning, optimization, and final verification where waiting times can be a challenge. It is exciting to leverage the GPU to further improve productivity for our users by delivering faster simulation results", said Dr.-Ing. Sven Odendahl, Principal Product Manager – Simulation Portfolio at ModuleWorks.

The new GPU-accelerated simulation is an integral part of the ModuleWorks advanced simulation engine that also uses a discrete dixel model to further optimize performance and accuracy.

In benchmark tests conducted at the ModuleWorks facilities in Aachen, Germany, the ModuleWorks Cutting Simulation with GPU processing was up to 10 times faster than CPU-based simulations. The most significant accelerations and biggest time savings were achieved with large simulations containing over a million toolpath points.\*

GPU simulation can help address a number of performance-related challenges in the manufacturing industry:

- **Simulation Performance:**  
Simulating material removal operations with millions of toolpath points requires considerable computing power and takes time. The need to iterate operations, check simulations and optimize the process adds further programming time. With engineers under pressure to meet strict deadlines, they are often forced to compromise on the resolution and, therefore, the quality of the simulation.
- **Simulation Accuracy:**  
The simulation needs to provide a sufficient stock resolution or accuracy for CAM engineers to verify and optimize the toolpath. However, engineers often need to compromise on accuracy to get the simulation results on time.
- **Stock Management:**  
Machining processes incorporate numerous operations, from roughing to rest roughing and finishing. Simulating material removal provides the intermediate stock, which helps with the planning of rest-machining operations. Calculating the stock, however, is time intensive.

- **Complexity of Verification:**

CAM engineers often require in-depth analyses to verify and optimize machining processes. They rely on CAM software solutions for checking tool collisions, excess material, and tracking metrics like tool engagement data. These insights enable them to make informed decisions for improved results, but they are often hindered by the time-consuming complexity of the calculations.

GPU-accelerated simulation is designed to tackle these productivity issues, enabling engineers to maintain the high quality standards of machined products. The upcoming ModuleWorks 2024.12 release will extend and intensify the testing on diverse third-party CAD-CAM hardware and software platforms.

\* Performance depends on the hardware configuration as well as the size of the simulation. The larger the simulation, the greater the acceleration. The benchmark tests were conducted using an AMD Ryzen 7 3700X CPU and NVIDIA GeForce RTX 4070 GPU which offer comparable mid-range performance. For more information, please contact ModuleWorks.

### *ProjectReady Unveils Industry-First Procore-to-Procore Sync for RFI and Submittal Workflows*

30 August 2024

ProjectReady, a leading provider of project information management software for the Architecture, Engineering, and Construction (AEC) industry, is excited to announce a powerful new enhancement to its **WorkBridge solution**. The updated feature now allows users to seamlessly sync RFI (Request for Information) and Submittal workflows, including their content, comments, responses and approvals, across multiple Procore companies. This latest development represents a significant step forward in streamlining project management processes and enhancing collaboration across teams and platforms.

The current WorkBridge solution already enables users to sync content across SharePoint, Autodesk Construction Cloud and Procore as well as Connect RFI's from Procore to the Autodesk Construction Cloud.

Now with the ability to sync RFI's and Submittals across multiple Procore companies, teams and vendors can stay in full control and work within their own Procore to manage the process.

This further solidifies ProjectReady's commitment to deliver control over your project's ecosystem, eliminating duplicate data entry and manual effort, and ensuring consistent information across platforms, to promote better collaborative project information management.

#### **Key Benefits of the Newly Enhanced WorkBridge Solution:**

- **Sync RFI and Submittal Workflows Across Procore Companies:** The latest addition allows users to synchronize these critical workflows, ensuring that content and comments are consistent across all relevant Procore companies on a project.

- **Elimination Duplicate Data Entry and Manual Effort:** By automatically updating content and workflow information across systems, the enhanced WorkBridge feature saves time and reduces the risk of errors associated with manual data entry.
- **Consistent Information for All Team Members:** Let project teams and their members work in their own instance of Procore and ensure that everyone is working with the most up-to-date and consistent information.
- **Improved Collaboration on Projects:** By syncing RFI's and Submittals across multiple Procore companies, ProjectReady fosters better collaboration, allowing teams to focus on project success without the friction of fragmented information.

“We continue to introduce significant enhancements to our Work Bridge solution,” said Joe Giegerich, CEO of ProjectReady. “The ability to sync RFI and Submittal workflows across multiple Procore companies represents a major advancement in our mission to streamline project information management and improve collaboration across project teams. With a robust road map, we will continue to streamline the coordination of information across stakeholders. We believe this update will be a game-changer for project teams, giving them full control over their project ecosystem.”

#### **Available in Q4 2024: Procore to Autodesk Construction Cloud Submittal Sync**

Building on the success of our Procore-to-Procore sync, ProjectReady is excited to announce an upcoming feature that will further enhance your project information management capabilities. Coming in Q4 of 2024, you'll be able to sync Submittal workflows across Autodesk Construction Cloud and Procore—marking the first solution of its kind in the industry. This upcoming feature will extend the seamless collaboration and consistency you've come to expect from ProjectReady, bridging the gap between two of the most powerful platforms in construction management.

#### ***SODA V, AI-Driven Tool, Set to Disrupt the Auto Market***

28 August 2024

SODA.Auto, a UK-based automotive tech company, launches its flagship product – SODA V, the world's first tool that covers all needs of automotive engineers from idea to certification to create software-defined vehicles. SODA V tool took 1.5 years and \$6 million to develop.

Serving as a unified platform for Software, Electronics, and Electrical Architecture, it harnesses the capabilities of Digital Twin technologies and AI, significantly reducing time spent on each routine task. For instance, test coding that previously took 3 days can now be reviewed in just 15 minutes.

“Tesla consistently operated within the SDV paradigm, innovating new approaches and tools for internal use only. SODA.Auto adopted this strategy but expanded it to serve a wider audience,” added Florian Rohde, ex-Tesla, Managing Partner at iProcess LLC, USA.

With SODA V, automakers can build new SDVs in less than 1 year, a fraction of the traditional 5-year timeline, with a \$600,000 budget compared to the industry standard of \$40 million. This

will lead to more units on the market, lower prices for end users, and cars becoming more technologically advanced with better user experiences.

“The automotive industry is undergoing a radical transformation, driven by the need for faster innovation cycles. Companies can develop, test, and integrate new vehicle features in as little as 7 days with SODA.Auto,” said Matas Simonavicius, ex-CTO at CHARGE CARS.

SODA V, unlike all other industry players' solutions, exclusively covers the entire vehicle development cycle, from idea and requirements to validation and certification, replacing at least 15 commonly used expensive tools and streamlining the entire process in a single interface.

In just one year, SODA.Auto aims to double its client base of automotive companies in Western markets, expecting them to develop over 150,000 software-defined vehicles. “The company anticipates fostering software-defined vehicles industry development and reaching \$100 million in revenue by 2027,” stated Sergey Malygin, CEO at SODA.Auto.

“The previous status quo of creating vehicles no longer works. We need innovative tools to help automakers (and suppliers) quickly overcome the challenge of creating a product comparable to high end technology products and at the cost of Chinese cars,” stated Glenn Saint, The Society of Motor Manufacturers & Traders (SMMT) UK, Commercial Director at Equipmake.

SODA V is also applicable to aerospace, rail, and marine sectors, and several other areas. “SODA.Auto continues to bring their innovation and cutting-edge technologies to the forefront through the infusion of AI into Digital Twins with their latest Multi-agentic GEN AI solutions,” stated Dan Isaacs, CTO and GM at Digital Twin Consortium. This initiative showcases practical applications of these technologies, validated by Digital Twin Consortium, including NASA.

### *Strong partnership simplifies digital design processes*

28 August 2024

#### **This collaboration is impressive: CADENAS and Resolto pave the way for innovative product configurators**

The partnership between the two software manufacturers CADENAS GmbH and Resolto GmbH further simplifies digital planning: The CONFIGON product configurator from Resolto is ready to use without installation and enables the configuration of technically complex products in 2D or 3D. Customers can use CADENAS data to quickly and easily create their own product configurator and make it available in over 100 CAD formats.