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## CIMdata News

### ***PLM Road Map & PDT North America 2022***

1 June 2022

CIMdata and Eurostep are pleased to announce the successful completion of PLM Road Map & PDT North America. The theme for the event was Digital Transformation and PLM—a call for PLM Professionals to re-define and re-position the benefits and value of PLM. The event took place at the Tysons Corner Marriott, near Washington D.C. 2022 marks the 29th year the event has been in operation.

The event comprised presentations made by PLM users representing several industry verticals interleaved with short vignettes about critical topics of interest presented by the event's sponsors.

Speakers and their presentation topics included:

- Digital Skills Transformation—Often Forgotten Critical Element of Digital Transformation - *Peter Bilello, CIMdata*
- The Link from PLM to 'Enterprise' Lifecycle Management (ELM) Realization - *Roger Hobley, BAE*
- The Digital Transformation of PLM: Where are the Humans? - *Dr. Thomas Hedberg, University of Maryland Applied Research Laboratory*
- A&D PLM Action Group Project to Define Objectives, Requirements, and Roadmaps for Digital Twin/Digital Thread Solutions - *Kenneth Swope, The Boeing Company*
- Making the DoD Digital Engineering Strategy a Reality - An update in Year 4 - *Stephanie L. Possehl, DoD*
- The Digital Twin/Digital Thread and BOM View Capabilities of the U.S. Navy's Enterprise PLM Program - *Robert Lamanna, U.S. Navy*
- Digital Transformation of Systems Engineering: Challenges & Opportunities - *Dr. Dinesh Verma, Stevens Institute*
- CEO Spotlight: View From the Top: The Future of PLM in the Age of Digitalization - *Roque Martin, Aras; Jim Heppelmann, PTC; and Tony Hemmelgarn, Siemens Digital Industries Software*
- Digital Transformation and the Role of PLM - *Bob Parker, IDC*
- The Sustainability Imperative - *Stan Przybylinski, CIMdata*
- MoSSEC - A standard to improve decision-making for complex products - What it is, Why it is needed, How it works with other PLM standards, and Implementation experiences - *Judith Crockford, Eurostep*
- Prioritizing MBSE Standards & the Creation of the Knowledge Graph - *Mark Williams, The Boeing Company presented by Craig Brown, CIMdata*
- The Gigaton Challenge, PLM and Agile - *James Windon, Trane*
- Debate: Stretching the Digital Thread Across the Supply Chain - *Craig Brown, ex-General Motors (representing the voice of the OEM) & Mark Pendergast, ex-Delphi, and Aptiv (representing the voice of the Supplier)*

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- MBSE Data Interoperability: Status and Challenges - *Mark Williams, The Boeing Company presented by Kenneth Swope, The Boeing Company*
- Fireside Chat moderated by Dr. Ken Versprille, CIMdata featuring *Peter Bilello, CIMdata; Håkan Kårdén, Eurostep; and Bob Parker, IDC*

The PLM Collaboration Cafe™ provided a vibrant environment for open discussions among the attendees and the event's sponsors. Event sponsors were Accenture, Altium, Aras, Atos, Autodesk, Digital Enterprise Society, Eurostep, Intelizign, Jana, PTC, and Siemens Digital Industries Software.

The next PLM Road Map & PDT event will be held in Gothenburg, Sweden, October 18 & 19. There will also be a special one-day event, PLM Road Map @ GPDIS, in Scottsdale, AZ, on 27 September, as part of GPDIS 2022. For more information on PLM Road Map & PDT North America, visit <https://www.cimdata.com/en/education/plm-conferences/plmrm-pdt-na-2022>.

## ***Strategic Sustainability: Accenture's approach to sustainable product engineering – a CIMdata Commentary***

1 June 2022

*Key takeaways:*

- In response to regulatory requirements, customer demand, and investor demand sustainability is becoming a strategic objective at companies.
- While sustainability goals and targets get the headlines, achieving them in practice is difficult. Although operational issues tend to get the focus, depending on the product, up to 80% of the sustainability impact relates to engineering design decisions.
- While current regulations are strict, as climate change concerns grow, CO<sub>2</sub> output will get increasing scrutiny from consumers, investors, regulatory bodies, and employees.
- Solutions that capture requirements, define features to satisfy requirements, verify the features are implemented, and systematically track achievement of goals and targets are required to ensure sustainability principals are core to product ideation and realization.
- Accenture has put deep thought into their sustainability approach and is enabling it within their Industry X - Engineering and R&D Digitization practice to ensure customers have solutions to meet current requirements and adapt to future needs.

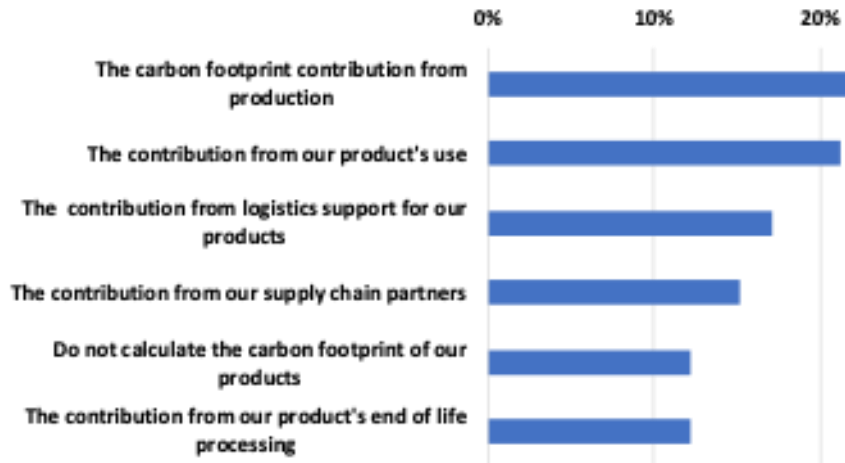
### Introduction

Sustainability, and especially the impact of CO<sub>2</sub> output are significant concerns in company boardrooms. Regulators, customers, and investors are driving companies to reduce their CO<sub>2</sub> output and other environmental impacts while maintaining their business performance. This is a complex and difficult problem to solve.[\[1\]](#)

During CIMdata's recent PLM Market and Industry Forum, focused on sustainability, we presented research results on the topic. As part of that research, we surveyed industrial companies to find out if they would like to have the ability added to their solution so they could calculate the full CO<sub>2</sub> footprint of their product. 71% responded "Yes." We then asked which elements are currently included in their carbon calculation. Figure 1 shows the responses.

# CIMdata PLM Industry Summary

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*Figure 1—Elements are Included in Calculating Products' Carbon Footprint  
(From CIMdata Research)*

If these responses are typical of most industrial companies, CIMdata believes there is a lack of emphasis on this topic at this point in time. 22% or fewer of the respondents include each item in their calculation. While production and product use are often the largest contributors, other items can be significant, especially when considering that 71% of the respondents want to calculate the full CO<sub>2</sub> footprint. This indicates that there is a big opportunity to institutionalize carbon calculation methodology and implement sustainability tools and processes across the organizations. Without proper strategies, processes, information, and tools generating appropriate carbon footprint information companies often end up with an unrepeatably scramble. Developing products that are designed and manufactured to produce less carbon during creation, use, and disposal maximizes sustainability, however, is difficult to achieve.

We also asked the respondents to identify the level of importance of PLM technologies when calculating a product's carbon footprint. The results are shown in Figure 2. A key takeaway is that most of the technologies are of high importance (defined as the sum of essential and important responses totaling greater than 50%). A second key takeaway is that achieving the innovation needed to address sustainability, simulation and analysis (S&A) and model-based systems engineering (MBSE) have the most untapped potential, as they both enable prediction from virtual models.

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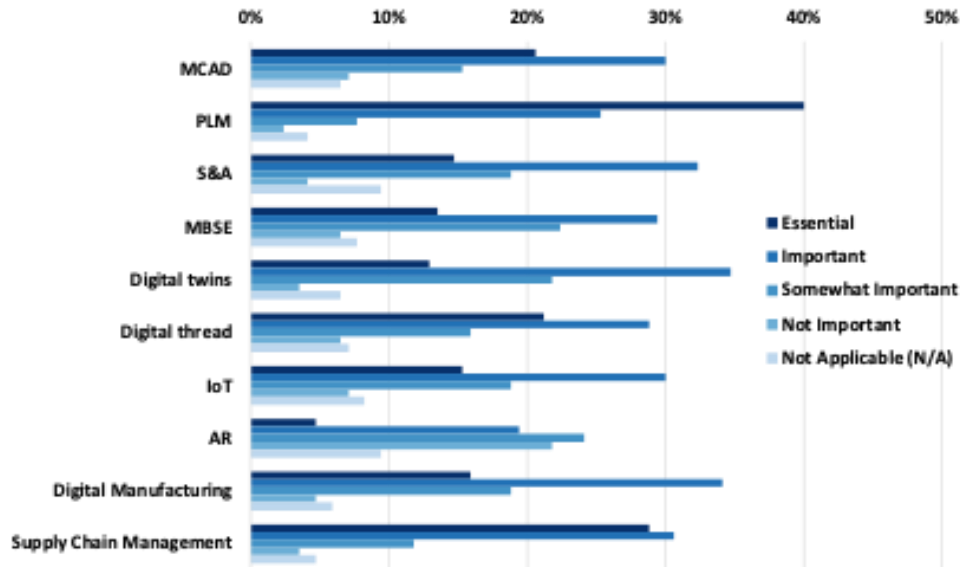


Figure 2– Importance of the Range of Technologies, Processes, and Capabilities Available that can Help Enable Sustainability Efforts  
(From CIMdata Research)

In 2021 Accenture partnered with Dassault Systèmes on research that resulted in a report titled [Accelerating Sustainability With Virtual Twins](#).<sup>[2]</sup> In the report researchers focused on calculating what impact virtual twins (more usually called digital twins) could have on carbon footprints in various industries. Overall, they found that digital twins could create benefits of \$1.3T in economic value and a reduction of 7.5 Gigatons (Gt) of CO<sub>2</sub> emissions by 2030. Up to 80% of the sustainability impact relates to engineering design<sup>[3]</sup> decisions so improvements in decision making tools will have a positive impact. CIMdata’s research shows that there is an emerging understanding within industry that PLM technologies including digital twins can impact sustainability.

**CIMdata definitions**  
**Model-Based Systems Engineering (MBSE)**—the formalized application of modeling to support system requirements, design, analysis, verification, and validation activities beginning in the conceptual design phase and continuing throughout development and later life cycle phases.  
**Digital Twin**—A virtual representation (i.e., digital surrogate) of a physical asset or collection of physical assets (i.e., physical twin) that exploits data flow to/from the associated physical asset(s).

## Solution Path

There is an old quote: “you can’t control what you don’t measure.” It certainly applies to sustainability; to maximize sustainability it must be measured. The common categories of measurement include raw material extraction, manufacturing, distribution, use, and disposal/recycling which at a high level describe a system model.

## Lifecycle Assessments (LCA)

Life Cycle Assessment (LCA) development began in the late 1960s and evolved over the decades. It

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initially focused on energy consumption in packaging and over time added diverse categories including global warming, acidification, eutrophication,[\[4\]](#) and eco and human toxicity. The lifecycle approach evolved from the recognition that not only were there different types of sustainability impacts, but they also occurred at different points of the lifecycle (resource extraction, manufacturing, operation, and end of life). The LCA approach is the commonly used sustainability measurement methodology based on the ISO 14000 series of standards and results are well accepted within industry. While LCA can be used to derive total impacts, it is a framework similar to ISO 9000, so it is not an out-of-the-box solution. Furthermore, unless it is integrated into design and modeling solutions it becomes more of a report than a predictive design tool.

To implement a sustainability program the first step is to determine the scope to be assessed. For example, automobiles have their largest impact when they are used, so fuel economy is a critical parameter that also impacts CO<sub>2</sub> production which impacts global warming. An inventory of impacts is then extracted from government and commercial databases which are then processed manually or by software applications. The results are then interpreted and reported.

Over the past few years standalone LCA solutions have been integrated with PLM solutions, making it easier to measure, track, and assess product sustainability.

## PLM and MBSE

To provide a solution to effectively manage sustainability a complex environment is required. A PLM solution is the foundation as it captures and manages the data, configurations, and processes that describe the product. Managing the product configuration provides the context to understand both simulation results and IoT time-series results from physical instances. Once simulation data is properly managed, MBSE provides the capability to do effective trade studies that enable the design team to optimize the product as we noted in a [recent commentary\[5\]](#) about applying MBSE to the development of a robotic airport luggage carrier system.

## Digital Twins

The application of digital twins provides new opportunities to improve the optimization process. The digital thread between the physical twin and digital twin enabled by IoT can support many use cases, but two critical ones are product use optimization and product improvement. The IoT time-series data can be incorporated into simulations and system models to close the loop and validate early calculations done on virtual models and provide baseline data for optimization studies.

Digital twins enable companies to develop products in short timeframes, at higher quality, and lower cost. They do this by linking the product configuration to the product behavior described by simulation and physical testing. The results can be consumed in the context of the configuration or by artificial intelligence (AI) algorithms enabling faster, more accurate decisions.

While this is simple in concept, getting processes, data, and technology aligned so the product development process is repeatable usually requires a digital transformation. A critical aspect companies often fail to emphasize is organizational change management (OCM). Adding a significant new objective like sustainably is a major organizational change, and to ensure effective adoption, workers need education and support to understand why they need to change, and training and support about what they need to do differently.

## Accenture's Approach

Accenture provides full lifecycle support for companies that want to improve sustainability within their products and operations. They are currently working with clients to develop a next generation approach

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to managing sustainability. Rather than create reports that provide a static LCA score, the solution will provide real-time recommendations to design team members during digital twin development that lead to better decisions and improved sustainability. Technologies being investigated include approaches where an engineer enters requirements and an artificial intelligence (AI) algorithm proposes the optimal design choice. This works similar to how generative design algorithms function.

The key elements to bring sustainability into the digital twin are a digital thread, the end-to-end connectivity of data and processes across the lifecycle, and AI algorithms that can generate more sustainable design solutions by leveraging simulation results. Accenture is using a MBSE approach to create digital continuity in the background to develop their solution bringing sustainability to the front of the lifecycle where it belongs. As engineers are provided with design alternatives by the system, they can see the impact of their decision in real or near real-time improving decision quality. This technology is already working today for other product requirements such as cost and performance so extending these principles to support sustainability is even more a systems and data integration issue. By developing trade studies using models and making decisions early based on model results, sustainability can be optimized.

Accenture has teams skilled in all the major solutions within the PLM marketplace, other enterprise solution domains such as ERP and CRM, and is recognized for their management consulting and OCM expertise. The breadth of their services and scale of their organization enables them to go far beyond product innovation platforms used to support PLM and support an enterprise platform i.e., a platform of platforms that support all enterprise requirements.

## Conclusion

The pressures on companies today are enormous and sustainability has emerged as a big issue that companies must address. CIMdata believes the best way to make progress is with product and process innovation. To effectively address sustainability and especially CO<sub>2</sub> output, better decisions need to be made during the product design phase where they can have large impacts with minimal cost.

To have a real impact sustainability decision support can't be simply tacked on. It needs to be pervasive within the product development process, related tools, and organizational mindset. MBSE is one possible solution, that provides a proven approach to product optimization, and can incorporate sustainability to enable optimization, but most current solutions especially those focused on LCA operate as standalone solutions making optimization difficult. To successfully implement a sustainability program, companies need a strong partner to address people, process, and technology challenges.

Accenture is developing sustainability solutions that leverage MBSE and AI to dynamically guide engineers and designers on how to maximize sustainability during product development. Beyond technology, Accenture has management consulting tools and processes to adapt organization structures to incorporate sustainability practices that will pass external scrutiny and be truly impactful on sustainability and CO<sub>2</sub> output reduction. Their management consulting and systems integration skills enable them to digitalize strategy and processes using the latest technology at scale. Companies looking to up their sustainability game and ensure it operates at scale should contact Accenture.

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

[2] <https://www.accenture.com/us-en/blogs/industry-digitization/accelerating-sustainability-with-virtual-twins>

[3] [https://joint-research-centre.ec.europa.eu/scientific-activities-z/sustainable-product-policy\\_en](https://joint-research-centre.ec.europa.eu/scientific-activities-z/sustainable-product-policy_en)

[4] Eutrophication: excessive richness of nutrients in a lake or other body of water, frequently due to runoff from the land, which causes a dense growth of plant life and death of animal life from lack of oxygen. From Google on-line dictionary.

[5] <https://www.cimdata.com/en/resources/complimentary-reports-research/commentaries/item/16812-accenture-develops-mbse-practice-helping-clients-transform-to-manage-growing-product-complexities-commentary>

## Acquisitions

### ***Accenture Agrees to Acquire ARZ in Austria to Expand Banking Platform-as-a-Service Capabilities Across Europe***

1 June 2022

Accenture has agreed to acquire Allgemeines Rechenzentrum GmbH (ARZ), a technology service provider focused on the banking sector in Austria.

The acquisition will expand Accenture’s cloud-based banking platform-as-a-service offerings, ranging from core banking services to online banking as well as regulatory services for banking clients across Europe.

ARZ is majority-owned by Volksbanken Group and Hypobanken Group as well as other private banks. With locations in Vienna and Innsbruck, ARZ operates a technology competence center for innovation and technology services in the banking sector in Austria.

ARZ’s approximately 600 employees will join Accenture and will continue to work in their existing locations in Vienna and Innsbruck.

"Our vision is to develop an innovative cloud-based banking platform-as-a-service offering for new and existing clients across Europe," said Roland Smertnig, senior managing director in Accenture’s financial services practice in Europe. "By acquiring ARZ, we are expanding our digital transformation capabilities to help banks of the future as they look to move more of their core functions to the cloud, enable new business models, and reinvent the services and experiences they provide to customers."

Michael Zettel, Accenture’s country managing director in Austria added, "With this acquisition, we are expanding our team in Austria and will develop a comprehensive center of excellence at the Innsbruck location to serve our clients in Austria and across Europe. The ARZ team has the experience and talent to help us grow and meet our banking clients’ needs now and, in the future, and we look forward to welcoming them to Accenture."

Gerald Fleischmann, CEO of Volksbank Wien said, "The move to Accenture is a strategically smart development. Volksbanken and their customers will benefit from the combined expertise, the innovative services and collaboration between ARZ and Accenture."

Johannes Haid, a board member of Hypo Tirol added, "Joining forces with Accenture will open up exciting technology training and career opportunities for our employees in Innsbruck and Vienna."

ARZ is the latest acquisition Accenture has made in the banking industry. Last year Accenture acquired Exton Consulting, a French consulting firm providing banking strategy support to financial services clients across Europe. Accenture also made a strategic investment, through Accenture Ventures, in Imburse, a cloud-based, payments-as-a-service enterprise platform that simplifies the way businesses around the world access the global payments ecosystem.

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

## ***Accenture Completes Acquisition of Greenfish***

2 June 2022

Accenture has completed its acquisition of Greenfish, an independent engineering and advisory company specializing in sustainability consultancy services. Accenture had announced its intent to acquire Greenfish on April 20, 2022. Financial terms of the transaction were not disclosed.

Greenfish's team of more than 270 highly skilled professionals join Accenture to further enhance the provision of global Sustainability Services, helping clients improve their ESG performance and embed sustainability in their operations.

Accenture Sustainability Services provide distinctive services and solutions across the full set of ESG issues, that include social and governance efforts equally alongside environmental, to help clients become net-zero and circular businesses, leveraging digital investment to create intelligent organizations that are sustainable at their core. Along with its ecosystem partners and ventures into disruptive technologies, Accenture is driving transformations at scale with the tools, technology, and methodologies that embed sustainability data, decision-making and performance to effectively measure business value and sustainable impact for all stakeholders.

## ***Addnode Group acquires Decisive AS, Norway***

1 June 2022

**Addnode Group announces that it has acquired Decisive AS, a leading supplier of rule-based decision management systems to the Norwegian public sector. The company has 25 employees and net sales of approximately SEK 57 million.**

*“Decisive is the Process Management division's first acquisition in Norway. The company's solutions within digital rule-based decision management systems fit well with the existing offers within our division. We have a strong market position in Sweden and see good opportunities for many new collaborations across the borders. Together, we can create additional value for our customers,”* says Andreas Wikholm, Division Manager Process Management at Addnode Group.

Decisive specializes in rule-based decision management systems and assists customers all the way from system design to development, implementation, training and then support and further development. The company was founded in 2003 by the company's current CEO and its office is located in Oslo. Some examples of Decisive's more extensive and long-term customer relationships are Helsedirektoratet, which is Norway's public health authority, NAV, which is a Norwegian authority with extensive responsibility for citizen services that includes social insurance and pensions, and Skatteetaten, which is the Norwegian Tax Administration.

Decisive will be consolidated starting from June 1, 2022 as part of Addnode Group's Process Management Division.

## ***ITC Infotech and PTC Create One of the Industry's Largest Organisations of Windchill Services Expertise with Expanded Alliance***

1 June 2022

ITC Infotech and PTC announced the closing of the transaction contemplated between the parties under the Strategic Partner Agreement announced in April. The transaction is designed to accelerate customer digital transformation initiatives and the adoption of PTC's industry-leading Windchill® product lifecycle management (PLM) software as a service (SaaS).

Under the agreement, ITC Infotech has acquired a substantial portion of PTC's PLM consulting and professional services business, including approximately 160 PLM consultants and services experts, and created a new business unit, called DXP Services, bringing together PLM professionals from both companies. This new business unit within ITC Infotech is being led by Patrick Bionducci who previously led PTC's global services business. As a trusted and preferred partner, ITC Infotech will collaborate with PTC to develop joint offerings to accelerate customer digital transformation initiatives, focused on the adoption of PTC's Windchill+™ PLM SaaS offering.

Thousands of PTC customer systems are expected to be converted to the cloud as part of the multi-year roadmap for the new business unit. To ensure consistency and accuracy of these SaaS conversion projects, PTC and ITC Infotech are bringing together professionals from both companies into a unified global practice which will create offerings, including the tooling and methodologies required, and execute programs to accelerate the adoption of PTC's next generation PLM solutions. DXP Services represents one of the largest organisations of Windchill professional services expertise in the industry. It is enabled by rich domain and technical knowledge of a team of experts committed to accelerating customer digital transformation journeys. ITC Infotech has also deepened its presence in Austria, Brazil, Canada, Denmark, France, Germany, Italy, the Netherlands, Poland, Romania, Sweden, Switzerland, the United Kingdom, and the United States with this transaction, and envisions becoming one of the leading SaaS systems integrators globally.

The overall commitments of ITC Infotech under the agreement are estimated at around US \$115 million, of which US \$33 million in cash was received by PTC at the closing of the transaction, with the remainder consisting of a mix of committed and contingent items deliverable over a period of 5 years in accordance with the terms of the agreement.

## ***Oracle Purchase of Cerner Approved***

1 June 2022

Oracle Corporation announced that all required antitrust approvals have been obtained for its proposed acquisition of Cerner, including European Commission clearance. Cerner is a leading provider of digital information systems used within hospitals and health systems to enable medical professionals to deliver better healthcare to individual patients and communities.

Oracle expects to complete the tender offer promptly following the expiration of that offer at midnight Eastern time on June 6, 2022. Completion of the tender offer remains subject to the conditions described in the tender offer statement on Schedule TO filed by Oracle with the U.S. Securities and Exchange Commission on January 19, 2022, as amended.

Oracle Chairman and Chief Technology Officer Larry Ellison will discuss the Cerner acquisition and Oracle's new suite of cloud-based health management applications at an online event on June 9, 2022, at 3:00 p.m. CT. [Register for the event.](#)

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“Working together, Cerner and Oracle have the capability to transform healthcare delivery by providing medical professionals with a new generation of healthcare information systems,” said Larry Ellison, Chairman and Chief Technology Officer, Oracle. “Better information enables better treatment decisions resulting in better patient outcomes. Our new, easy-to-use systems are designed to lower the administrative workload burdening our medical professionals while improving patient privacy and lowering overall healthcare costs.”

“We expect this acquisition to be substantially accretive to Oracle’s earnings on a non-GAAP basis in fiscal year 2023,” said Safra Catz, Chief Executive Officer, Oracle. “Healthcare is the world’s largest and most important vertical market—\$3.8 trillion last year in the United States alone. We expect Cerner to be a huge growth engine for years to come.”

“Cerner has been a leader in helping digitize medical care, and now it’s time to realize the real promise of that work with the care delivery tools that get information to the right caregivers at the right time,” said David Feinberg, Chief Executive Officer and President, Cerner. “Joining Oracle as a dedicated Industry Business Unit provides an unprecedented opportunity to accelerate our work modernizing electronic health records, improving the caregiver experience, and enabling more connected, high-quality and efficient patient care.”

“Oracle’s Autonomous Database, APEX low-code development tools, and voice-enabled user interface enable us to rapidly modernize Cerner’s systems and move them to our next-generation Cloud,” said Mike Sicilia, Executive Vice President, Industries, Oracle. “This can be done very quickly because Cerner’s largest business and most important clinical system already runs on the Oracle Database. No change required there. What will change is the user interface. We will make Cerner’s systems much easier to learn and use by making *hands-free* voice technology the primary interface to Cerner’s clinical systems”

## Highlights

- All-cash tender offer for \$95.00 per share, or approximately \$28.3 billion, that is immediately accretive to Oracle’s earnings.
  - Substantially accretive to Oracle’s earnings on a non-GAAP basis in fiscal year 2023, and will contribute more to earnings thereafter.
  - Cerner will be a huge growth engine for Oracle for years to come as Oracle expands Cerner’s business into many more countries throughout the world.
  - The closing of the transaction is subject to satisfying certain closing conditions including Cerner stockholders tendering a majority of Cerner’s outstanding shares in the tender offer.

## ***Tango Acquires billie: New Capabilities Deepen Workplace Engagement and Help Companies Achieve Employee-Centric ESG Goals***

1 June 2022

Tango, a leading provider of cloud-based store lifecycle management and integrated workplace management software, announced it has acquired billie, a mobile-first workplace application that uses gamification to engage employees and modernize workspace solutions. The transaction further extends Tango’s position as the global leader in real estate and facilities management.

Most organizations have focused on the management of “Place” – the planning, building, and operating of real estate locations and the assets within them. With the acquisition of AgilQuest, and now billie,

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Tango has expanded to the equally important “People” side of real estate, ensuring employees are engaged and productive at the workplace. In addition to core functionality enabling employees to book workspaces and submitting requests, billie’s “My Contributions” functionality encourages employees to create positive and lasting change by gamifying an organization’s environmental, social, and governance (ESG) goals and initiatives.

“The accelerated shift to hybrid work means organizations need to better understand the intersection of their office and employee requirements,” said Pranav Tyagi, Tango’s President & Chief Executive Officer “billie’s gamification orientation adds a new dimension to Tango’s reservation and resource scheduling capabilities and provides our customers a new and innovative way to meet the requirements of today’s workplace. The acquisition of billie furthers our investment and belief in the Canadian market and we are delighted to welcome billie to the Tango family.”

Over 40 companies, including Canadian public sector agencies, leverage the billie app to book desks and workspaces, and submit workplace service requests. billie’s penetration in the Canadian market supports and extends Tango’s global growth initiatives.

“When we developed billie, we wanted to create a solution that helped empower employees, and supported organizations move to a hybrid workplace,” said Jack Gulas, CEO of billie. “We are thrilled to have the respected leader in workplace technology take up the mantle and offer our customers the added benefits of a true end-to-end real estate and facilities solution.”

billie has developed several strategic partnerships, including Deloitte and Cresa, that have helped sell and provide services for the application.

## Company News

### ***Atos, UCL and Arm team up to offer wider cloud computing possibilities for life sciences applications***

1 June 2022

Atos and UCL announce having successfully run the virus sequencing tool, Viridian, which is used to detect mutation of the SARS-Cov-2 strain of the coronavirus, using an Arm®-based Ampere® Altra® processor in a cloud native environment with Atos’ integration expertise. This proof of concept (PoC) was coordinated by Atos’ Life Sciences Center of Excellence which aims to foster a culture of exploration, discovery and co-creation to harness the power of digital technologies in order to advance precision health and accelerate the discovery and development of drugs.

With data growing exponentially and becoming more difficult to process for life sciences applications, data, scientists rely on high-performance computing and parallel computing to quickly process and analyse massive amounts of data.

The Arm Neoverse™-based platform, the Ampere Altra, is dedicated to cloud native workloads, meaning the simulation and the results can be achieved not only on-premises but directly on the cloud, on any type of HPC platforms and from anywhere.

This will be even easier with the use of Atos’ Nimbix Supercomputing Suite; offering researchers and scientists flexible, scalable, and easy-to-use cloud solutions for compute-intensive workflows.

With more and more laboratories using Arm-based solutions, this successful PoC means that they will now be able to run Viridian on their systems, enabling them to study life science workflows and to detect various mutations in the SARS-CoV-2 genome, in order to ultimately help combat COVID-19.

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This work has combined expertise skills from a team of Atos and Arm experts focusing on hardware and software optimizations, together with a scientific team from UCL dedicated to scientific applications for these specific use cases. This collaboration has enabled the optimization of both software and hardware in this co-designing effort to meet the demands of impactful and cutting-edge genomics workflows, which are already deployed in clinical settings.

**Emmanuel Le Roux, Group SVP, Global Head of HPC, AI & Quantum at**

**Atos**, commented *“Being the undisputed European leader in HPC is not only about delivering the most systems to European HPC centers in terms of PetaFlops but also about working closely with numerous European research and scientific institutions to empower various crucial data productions and simulations daily. This work, under the umbrella of the Atos Life Sciences Center of Excellence, demonstrates that collaboration between academia and industry through the power of supercomputing is creating new avenues for scientific breakthroughs. Today, we have once again shown the importance of hybrid computing to foster innovation and provide scientists with tangible life sciences applications.”*

**Alex Wade, Research Associate at UCL**, said: *“This codesign effort between Arm, Atos and UCL has allowed for the optimization of both new Arm hardware and cutting-edge genomics software, fortifying both for real world life science applications. Collaborating with industry partners has demonstrated a key idea for the future of HPC applications whereby hardware and software are tuned for performance in tandem, as opposed to the typical story of software continuously being updated to match new hardware releases. This work has been performed as part of the Centre of Excellence in Computational Biomedicine (CompBioMed) and was possible because of CompBioMed’s wide interdisciplinary expertise. Arm and Atos were valuable partners in this work and we hope this work leads to future collaborations and can act as a template for other codesign activities.”*

## ***Digital Twin Consortium Appoints XMPro Regional Branch Organizer***

1 June 2022

The Digital Twin Consortium® announced an agreement with XMPro to become Regional Branch Organizer (RBO) for Australia and New Zealand. As RBO, XMPro will facilitate and drive local Digital Twin Consortium engagements and activities with regional industry, government, and academic institutions on behalf of the consortium throughout Australia and New Zealand.

XMPro has been a longstanding contributor to the Digital Twin Consortium. With its strong presence in the region, the company is ideally suited to facilitating local activities for organizations interested in digital twin technology. XMPro's No-Code Application Development Platform helps many of the world's largest mining, oil and gas, and manufacturing companies build digital twins to improve situational awareness and decision-making.

"With XMPro as the RBO for Australia and New Zealand, we are already seeing multiple opportunities through their strong relationships across various industries and academia," said Dan Isaacs, CTO, Digital Twin Consortium. "XMPro has an extensive and growing network of partners, companies, and associations with local government, industry, and academia to further the advancement of digital twin and enabling technologies."

"The Digital Twin Consortium has been advocating for digital twins globally. We're excited to be a catalyst for the conversations on a local level in Australia and New Zealand. We look forward to building an engaged community through regular in-person events throughout the region," said XMPro CEO Pieter van Schalkwyk.

RBOs drive awareness and adoption of digital twins, developing and implementing use cases throughout

the digital twin lifecycle. RBOs conduct local Digital Twin Consortium events and joint promotional activities.

## ***Digital Twin Consortium Celebrates Second Anniversary***

31 May 2022

Digital Twin Consortium® (DTC) celebrated its second anniversary. With more than 200 member organizations representing 36 countries, the consortium continues to drive the awareness, adoption, interoperability, and development of digital twin technology.

"We are creating a market for digital twins, which we believe is one of the most critical technologies for the next decade," said Bill Ruh, Chief Executive Officer, LendLease Digital, and Chair of the Digital Twin Consortium Steering Committee. "Consortium members are working on everything from early research to practical things businesses can implement today. Business leaders will adopt digital twins based on that practicality to improve efficiency and grow their capabilities."

"We are guiding outcomes for end-users of digital twin technology throughout their global operations and supply chains," said Ron Zahavi, Executive Director, Digital Twin Consortium. "For example, we've created the governance and ecosystem that promotes the creation and distribution of open-source technologies in a meaningful way, and our Digital Twin Capabilities Periodic Table framework helps businesses embrace digital twin technology. Our world-class ecosystem will continue encouraging innovation, accelerating digital twin usage, and influencing the requirements for standards."

The DTC's two-year accomplishments include:

- Partnering with fifteen liaisons – global technology associations and standard bodies that are early adopters of digital twins.
- Creating ten innovation hubs centered on industry and technology, including new ones for Academia & Research, FinTech, Healthcare & Life Sciences, and Mobility & Transportation.
- Establishing seven regional branch offices, including offices in Australia, Canada, Chile, Italy, Netherlands, Spain, and the UK, with more to be approved.
- Publishing five digital twin industry framework papers, the industry's first Glossary of Terms, and the industry's definitive definition of digital twins.
- Hosting three public virtual "Info Days," including ones for Aerospace & Defense, Manufacturing, and Natural Resources industries.
- Developing the Digital Twin Capabilities Periodic Table, a framework for delivering digital twin projects based on use case capabilities.
- Providing an open-source repository, which is now available on GitHub, to help digital twin communities collaborate while building the market.

The DTC is currently building a reference library of real-world use cases to provide insight into digital twin development and implementation and many other innovations.

## ***iBASEt Appoints Steve Modrall Chief Revenue Officer to Continue Accelerated Growth***

26 May 2022

iBASEt, the company that simplifies how complex products are built and maintained, announced that Steve Modrall has been promoted to Chief Revenue Officer (CRO). Modrall's appointment marks the

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next step for iBASEt as it looks to further accelerate its growth in delivering value as a service to customers. Modrall brings experience in building global sales organizations and developing successful go-to-market strategies for both private and publicly held SaaS companies. Modrall will be responsible for expanding the company's SaaS subscription-based repeatable revenue model supporting growth through annual recurring revenue.

“iBASEt is continuing to grow upwards and outwards; we are reaching new markets and customers by better understanding how manufacturers are buying software solutions, what features deliver value, and how we can better empower them with faster time to benefit from our best-in-class technology,” said Modrall. “I am thrilled to be able to participate in iBASEt's growth and by the opportunity to fulfill our ambitious goals.”

“Steve has exhibited exceptional leadership in collaborating across iBASEt stakeholders to execute our transition to a B2B SaaS company,” said Naveen Poonian, CEO of iBASEt. “Steve has excelled in developing a growth strategy and in creating a cross-functional, open, and collaborative culture to drive customer success. I'm excited to see the increase in maturity of operations, streamlining and automation of processes, and delivery of excellent experiences to our customers.”

Modrall, who previously served as the company's EVP of Global Sales, has led the drive for software license revenue growth helping to achieve exceptional company growth. He has also been instrumental in setting the sales strategy and execution of iBASEt's SaaS and mid-market programs

## ***New FMI Project Leader and Deputy***

1 June 2022

On May 5, 2022 the FMI Steering Committee has unanimously elected Christian Bertsch, BOSCH, as the new project leader and Torsten Sommer, Dassault Systèmes, as the new deputy.

The FMI Steering Committee wants to thank the outgoing project leader Andreas Junghanns, Synopsys, and deputy Torsten Blochwitz, ESI Group, for their longstanding leadership of the FMI Project and great merits to the development of the FMI standard - from the beginning until the recent release of FMI 3.0!

## ***Sage appoints Aziz Benmalek as permanent President of Sage North America***

26 May 2022

Sage announcement from Steve Hare, CEO : I am really pleased to confirm that Aziz Benmalek has been appointed as the President of our North America region on a permanent basis. In this role, he will continue to be part of the Executive Leadership Team and report to me.

Not only has the region shown strong commercial and strategic performance under Aziz's leadership, but I have really appreciated and valued the role he has played as a member of the Executive Leadership Team. His experience, from senior roles at organizations like Microsoft and Splunk will be hugely beneficial to our continued success in North America.

Aziz will maintain accountability for Partners, Alliances, and Accountants globally, and further announcements will be made by Aziz about the leadership of this group separately.

Please join me in congratulating Aziz as he takes on this critical role for Sage.

## ***Sandvik Coromant appoints two new members to its management team***

27 May 2022

Global leader in metal cutting, Sandvik Coromant has appointed two new members to its management group. Michael Eneberg will begin his new role of Vice President and Head of Global Sales on May 1, 2022, while Nicolas Dellachiesa joins as Head of Merger & Acquisitions (M&A) in June. Reporting to Sandvik Coromant President, Helen Blomqvist, both Eneberg and Dellachiesa will play vital roles in driving forward the company's global growth.

Eneberg has a longstanding history with Sandvik Coromant, having worked in roles across the Sandvik Group for 16 years. Starting his career at Sandvik in Sandviken, Sweden in 2003, he then went on to work at Sandvik Tooling and Sandvik Coromant Japan, later becoming Head of Sandvik Coromant Indonesia and Managing Director for Sandvik Indonesia. Prior to his most recent position as CEO for Diamond Tools Group, Eneberg was the General Manager for Sandvik Coromant's Sales Area South Asia, where he held responsibility for India, Japan and Southeast Asia. He was also Managing Director for Sandvik Japan during this time. Michael holds a masters degree from Stockholm School of Economics.

As part of his new role, Eneberg will assume full responsibility for the leadership, development and execution of all aspects of Sandvik Coromant's global sales initiatives. That includes driving initiatives for Sandvik Coromant's vast portfolio of metal cutting tools, as well as the growing number of digital services for Industry 4.0.

Crucially, Eneberg is keen to use his experience in Asia to bolster sales across a vital region for Sandvik Coromant. "Having spent many years developing Sandvik Coromant's presence across the Asia Pacific region, it's truly exciting to re-join the company in a global role and to be part of the growth plans for this sales area," said Eneberg. "Additionally, I look forward to collaborating with experts from across the globe, helping to offer Sandvik Coromant's worldwide customers metal cutting solutions that promote efficiency, reliability and sustainability."

Dellachiesa, currently Investment Banking M&A Director at Seabury Capital, will join as Vice President and Head of Merger & Acquisitions in June 2022. In this role, Dellachiesa will be responsible for developing Sandvik Coromant's overall M&A strategy to accelerate acquisitions as well as focusing on value creation, synergy realization and integration. He will lead the M&A team and actively collaborate with other Sandvik divisions, business areas and the wider Sandvik Group.

In addition to an established background in investment banking, Dellachiesa has worked for several manufacturing companies, including notable aerospace OEM, Airbus.

Commenting on the new members of the management team, Sandvik Coromant President Helen Blomqvist said: "Both Michael and Nicolas bring a wealth of experience. Michael brings extensive experience and a solid understanding of the machine tooling industry, combined with customer focus and strong capabilities of growing people and business. In addition, having worked as both an engineer and in several financial roles, Nicolas brings multiple perspectives to his new role, to help us form solid relationships with partners and acquisitions in the future."

## ***Tacton and Scandinavian Digital Partner to Provide State-of-the-Art Design Automation Solutions for Nordics and DACH***

31 May 2022

Tacton, industrial manufacturing's Configure, Price, Quote (CPQ) SaaS provider for design to sales automation, announced their extended partnership with Scandinavian Digital, a business consulting company that assists engineering companies. Adding to its business services, Scandinavian Digital will now sell and deliver Tacton's best-of-breed Design Automation solutions in the Nordics and DACH regions for the full range of computer-aided design (CAD) systems (SolidWorks, Autodesk Inventor and PTC Creo). The partnership will enable more design and manufacturing companies to optimize their engineering and design processes through software, training, and full-service manufacturing business solutions. Scandinavian Digital has already delivered more than 200 Design Automation models to major clients in these regions, and has plans to further expand Tacton's presence as an official reseller.

Engineers today are under incredible pressure to generate 2D and 3D CAD drawings on time due to custom designs. They must constantly update or create new drawings as needs change, resulting in significant human labor. To address this, Tacton Design Automation creates comprehensive 2D drawings and 3D models of bespoke, customized products and parts automatically, allowing engineers to focus on other higher value tasks. As a result, companies can eliminate costly design errors, reduce lead time, cost of hours and goods, and improve product quality. Further, there is no programming or IT expertise needed, making it fast and easy to introduce and update products.

"Our partnership with Scandinavian Digital will allow us to expand our company's reach in key regions, and offer our leading Design Automation solution to more joint customers," said Viveka Tengö, VP Global Channel and Alliances at Tacton. "With our solutions, customers can accomplish design projects in a much shorter time and with a standardized quality. We are helping sales and engineering teams work better together and increase their efficiency to drive their organization's bottom line. This partnership is key to making this a reality for today's leading companies in the Nordics and DACH regions."

"We are very satisfied with our partnership with Tacton," said Simon Nielsen, CEO and Co-Founder at Scandinavian Digital. "Tacton's state-of-the-art Design Automation tool coupled with Scandinavian Digital's strong knowledge in product complexity helps customers easily utilize 3D CAD models to empower their businesses. Tacton's Design Automation is a game changer for any company with complex engineered products."

"This partnership will help advance our mutual goals in the Nordics and DACH regions," said Morten Hugo Bennick, Managing Partner at Scandinavian Digital. "With this solution, manufacturing teams can feel assurance and support to configure their products with 100 percent valid configuration and significantly reduced errors and costs. In fact, we've already seen success with managing hundreds of Design Automation projects for Tacton, and look forward to our future growth."

## **Event News**

### ***Altair To Present at Upcoming Investor Conferences***

1 June 2022

Altair, a global leader in computational science and artificial intelligence, announced that James Scapa, chairman and chief executive officer, and Matt Brown, chief financial officer, will participate in the

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following investor conferences:

Event: Nasdaq Investor Conference  
When: Tuesday, June 14, 2022  
Time: 3:30 a.m. ET (8:30 a.m. BST)  
Format: Presentation

Event: Berenberg Thematic Software Conference 2022  
When: Wednesday, June 15, 2022  
Time: 8:00 a.m. ET (1:00 p.m. BST)  
Format: Fireside Chat

A live webcast, as well as a replay, of the presentations will be available on the company's investor relations website at <http://investor.altair.com>.

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

27 May 2022

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

June 6, 2022 Baird 2022 Global Consumer, Technology & Services Conference  
June 7, 2022 Stifel 2022 Cross Sector Insight Conference

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

## ***COMSOL Announces Events on Simulation in Biomedical Technologies***

27 May 2022

COMSOL, the maker of the COMSOL Multiphysics® simulation software, is announcing COMSOL Day: Biomedical Technologies to be held online, twice, on June 2 and June 9. On both days, the event will focus on simulation applications in medical technology, life sciences, and medical device design. In a series of technical presentations, attendees will see how COMSOL Multiphysics® is being used to design biomedical devices and understand the underlying physical phenomena of these devices. Keynote speakers from L'Institut Jean Lamour (IJL), Abbott, and the University of Maryland School of Medicine will discuss the use of multiphysics simulation for device design, applications in neurostimulation, and the development of thermal therapy for brain cancer, respectively. At the June 2 event, there will also be a panel discussion on material data and its importance to biomedical simulation applications.

In addition, there will be seven COMSOL presentations at each event:

- Trends in Biomedical Technologies
- Blood Pump Validation
- Electromagnetics Applications Within Biomedical Technologies

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- Ultrasound and Hearing Aids in Biomedical Technologies
- Biochemical Sensors and Tests
- Bioheating of Tissue
- Microfluidics and Separation in Biomedical Technologies

Modeling and simulation (M&S) have been used for biotech applications for decades and are continuing to reach more ground within the industry as they further advance biomedical technologies, such as smart devices that are able to monitor various aspects of a user's health. In fact, M&S has been recognized by the U.S. Food and Drug Administration (FDA) as a tool that plays a "critical role" in the development of public health applications, and simulation has even been [proposed as a way to run \*in silico\* clinical trials](#).

"Simulation is growing within the biomedical field. A lot of progress has been made and there are countless success stories," says Mao Mao, technical account manager for biomedical applications at COMSOL. "Since the FDA is supportive of its use, modeling and simulation are going to be an integral part of how medical technologies are developed in the future."

*A benchmark model of the fluid flow in a centrifugal blood pump.*

The COMSOL Day: Biomedical Technologies event dates and start times are as follows:

- June 2 at 10 a.m. CEST (France)
- June 9 at 11 a.m. EDT (USA)

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

[View the COMSOL Day Program Details](#)

Participation from any region at any of the events is welcomed. All presentations are in English.

## ***DXC Technology to Participate in Cowen Technology Conference***

27 May 2022

DXC Technology, a leading Fortune 500 global technology services company, will participate in the Cowen Technology Conference on June 2, 2022. Ken Sharp, Chief Financial Officer, is scheduled to participate in a fireside chat at 9:40 AM ET.

## ***EAGLE POINT SOFTWARE TO PRESENT AT NORDIC BIM SUMMIT ON IMPORTANCE OF CORPORATE LEARNING STRATEGIES***

26 May 2022

Steve Biver, Chief Operating Officer of Eagle Point Software, will present at the upcoming Nordic BIM Summit in Stockholm, Sweden, held June 1-2, 2022. This Summit is recognized as one of the largest BIM events in Europe within the building and infrastructure landscape.

Biver will be on stage two times at the event. He will first participate in a skills and knowledge panel discussion, where he and other experts will explain best practices of how successful companies are investigating new ways of working with competence development and skills uplift. He will later present his session topic, "Time for Training: Why Your Firm Needs a Learning Strategy." Here, Biver will focus on the benefits gained by AEC firms that create a corporate learning strategy to ensure employees have time in their workday to upskill.

Biver explained the importance of his attendance at this international BIM Summit. "It is an honor to be a part of this outstanding conference in the Nordics and present alongside a group of widely-recognized

industry leaders. As COVID has taken away the opportunity for most in-person events over the past two-plus years, I know I am pleased that the opportunity is finally here to return to an in-person conference setting. This is where connections are made and important information is shared.”

Biver continued, “Our team at Eagle Point continues to lead via innovation and the introduction of new best practices, and I am excited to share insights about training and upskilling in the AEC arena. This is sure to be an outstanding event.”

## ***HANNOVER MESSE and Manufacturing in the Age of Experience 2022: Dassault Systèmes to Showcase Virtual Twins Accelerating Sustainable Innovation and Future-Proof Manufacturing***

30 May 2022

Dassault Systèmes at HANNOVER MESSE 2022 (May 30 – June 2) on [Stand C34 in Hall 4](#), shows how virtual universes based on the 3DEXPERIENCE platform help accelerate sustainable innovation, and support more flexible manufacturing and the business imperative to create tomorrow’s value.

The manufacturing world has evolved to an always-on experience economy, where existing and new industry leaders, rules and regulations, revolutionary technology, outside influences and timelines, talent and skill needs shift quickly and continually. It needs to keep up with an increasingly connected and sustainable world. Sustainable innovation is driven by collaboration, accessing, analyzing and sharing reliable data, seamless simulation, and modelling of solutions and processes and even whole enterprises. This underlines how the virtual twin experience was born for sustainability: from virtual prototyping to saving materials and resources in new circular approaches, to reducing time-to-market, improving environmental footprints and capitalizing on knowledge through life-long learning.

Dassault Systèmes will showcase how connected solutions and integrated industrial processes contribute to business sustainability, including new business models and services, as well as developing the workforce of the future. The scenario on display at the Dassault Systèmes booth illustrates how seamless real-time collaboration can make a sustainable mobility concept a reality:

- e.Volution, one of the partners in this year’s booth presentation, develops, produces and operates Mobility-as-a-Service systems consisting of innovative vehicles powered by hydrogen fuel cells:
- e.Volution itself does not have the special know-how about the fuel cell technology used. By building and leveraging a collaborative network, the business model can nevertheless succeed. Using the 3DEXPERIENCE platform as a single source of truth ensures rapid implementation from idea through simulation, production and service.
- Dassault Systèmes is demonstrating the various steps of the value chain together with industrial automation specialist OMRON and special machine builder VAF. In product development, the 3DEXPERIENCE platform helps to highly automate fuel cell production processes, increase quality and simultaneously achieve drastically reduced cycle times.
- When it comes to the design analysis and modification of bipolar plates – the heart of a fuel cell stack – as well as the series production, Graebener Bipolar Plate Technologies finally comes into play in two respects. The company is not only a proven specialist in the engineering and construction of production systems and lines for the production of bipolar plates, it offers a large portfolio of services from bipolar plate design to prototyping and small series production with its in-house application laboratory.
- The last step of the scenario shows how feedback from the individual process steps can flow

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back into the idea pool for new variants and developments or even completely new business models – a virtual lifecycle throughout the complete value network.

## **Manufacturing in the Age of Experience: Virtual twins shaping the factory of the future**

In addition to its trade show presence, Dassault Systèmes is bringing the eighth edition of its successful Manufacturing in the Age of Experience industry event to Hannover for the first time. Focusing on the manufacturing of the future - trends, technologies, changing work patterns and customer needs - the exclusive event offers industry leaders the opportunity to discover an immersive virtual twin experience in the Media Factory, Hall 17 that demonstrates its unique value for manufacturing. Leaders can walk through a virtual factory, identify potential issues and experience real industrial case problem-solving, driving an understanding of how the virtual twin experience is both accessible and immediately actionable. Decision-makers will gain a practical insight into the concept of the virtual twin on the 3DEXPERIENCE platform and can discuss with industry experts how the virtual twin supports their future goals and business.

Dassault Systèmes' accompanying exclusive evening event, The Late Shift, brings leading minds in Europe's digital transformation on stage and offers big-picture insights into where manufacturing is going, and what kind of world it can create.

## ***HONEYWELL TO HOST LEADERSHIP WEBCAST FOR INVESTORS FOCUSED ON SUSTAINABLE BUILDING SOLUTIONS***

2 June 2022

Honeywell announced that the next installment of its live leadership webcast series for investors will feature a conversation between Doug Wright, president and chief executive officer of Honeywell Building Technologies, Mike Stepniak, vice president and chief financial officer of Honeywell Building Technologies, and John Walsh, head of U.S. electrical equipment and multi-industry research at Credit Suisse, on Thursday, June 16, 2022, from 11:00 a.m. – 11:45 a.m. EDT.

### **Webcast Details**

A live webcast of the presentation and any related presentation materials will be available through the Investor Relations section of the company's website. A replay of the webcast will be available for 30 days following the presentation.

Honeywell is a Fortune 100 technology company that delivers industry-specific solutions that include aerospace products and services; control technologies for buildings and industry; and performance materials globally. Our technologies help aircraft, buildings, manufacturing plants, supply chains, and workers become more connected to make our world smarter, safer, and more sustainable. For more news and information on Honeywell, please visit [www.honeywell.com/newsroom](http://www.honeywell.com/newsroom).

Honeywell uses our Investor Relations website, [www.honeywell.com/investor](http://www.honeywell.com/investor), as a means of disclosing information which may be of interest or material to our investors and for complying with disclosure obligations under Regulation FD. Accordingly, investors should monitor our Investor Relations website, in addition to following our press releases, SEC filings, public conference calls, webcasts, and social media.

## ***Rockwell Automation to Present at UBS Global Industrials and Transportation Conference***

31 May 2022

Rockwell Automation, Inc. SVP and Chief Financial Officer, Nick Gangestad, will present at the UBS Global Industrials and Transportation Conference in New York on Tuesday, June 7, 2022.

The fireside chat will be webcast beginning at approximately 9:40 a.m. EDT 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).

## ***TRACE SOFTWARE TO SHOWCASE ARCHELIOS™ SUITE PV SOFTWARE AT GENERA 2022 IN MADRID***

2 June 2022

Trace Software will participate to **Genera** – international energy and environment trade fair – to be held at the **IFEMA exhibition centre in Madrid from 14 to 16 June 2022**.

GENERA's offer is aimed at a broad group of professionals related to the world of energy efficiency and renewable energies in the commitment to climate neutrality.

This international fair, which is the the largest commercial platform for this industry in Spain, celebrates its 25th anniversary with the support of the Institute for Energy Diversification and Saving, IDAE (Ministry for Ecological Transition and the Demographic Challenge) as well as with the renewed backing of the main agents of this important economic sector.

As a member of the Photovoltaic Union of Spain, Trace Software International will be welcoming visitors at the **stand 10C55 – UNEF area – with archelios™ Suite PV software solution**.

archelios™ Suite to manage your photovoltaic projects

With [archelios™ Suite](#), Trace Software offers a unique software solution for professionals who design and maintain photovoltaic installations of all types: on roofs, ground-mounted plants, connected to the grid or in isolated sites, in self-consumption with or without energy storage.

The software suite is composed of:

- **archelios™ PRO:** feasibility, design and sizing
- **archelios™ CALC:** calculation, verification and compliance to international standards

archelios™ Suite helps you design the entire photovoltaic installation project, from feasibility study, bankability, 3D design, compliance and calculation notes, to installation. The Suite **is the most complete software solution for photovoltaic design**.

## ***Uptake to Attend the 26th Annual ARC Industry Forum***

26 May 2022

Uptake, a leader in industrial intelligence, is attending [the 26th Annual ARC Industry Forum](#) from June 6-9 in Orlando, Florida. This year's edition of the Forum features expert workshops and presentations on digital transformation, smart factories, supply chains, and infrastructure.

Uptake will appear on two industry panels during the conference. On Tuesday, June 7 at 2:00 PM EST, Uptake's [Andrew Soignier](#), VP of Global Energy and Manufacturing Sustainability, will cover [Smart Asset Management](#) and examples of improving process-intensive operations through real-time data availability and digital transformation.

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In the second session, on Wednesday, June 8 at 4:00 PM EST, Uptake's [Zack Novak](#), SVP of Global Sales, will join the conversation on [Leveraging Digital Transformation with EAM and FSM](#) and share success stories on how predictive maintenance analytics are improving repair efficiency and asset productivity.

“We’re very excited to be in Orlando and meet with technology users and partners who are capturing the value of their assets through data management and analytics,” said [Kayne Grau](#), CEO, Uptake. “The Forum is an incredible opportunity for the industry to come together and share in the spirit of innovation and partnership, especially as sustainability strategies take center stage.”

Conference attendees can also learn more by visiting with the Uptake team at Booth #5 on the show floor.

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

1 June 2022

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

- Loop Capital Markets’ 2022 Investor Conference  
June 2, 2022 in New York City (no presentation)
- William Blair 42<sup>nd</sup> Annual Growth Stock Conference  
June 7, 2022 at 5:40 p.m ET in Chicago
- BofA Securities 2022 Global Technology Conference  
June 9, 2022 at 3:30 p.m. ET in San Francisco

Webcasts and replays of the presentations will be accessible within the [Investor Relations section](#) of Xometry’s website following each session.

## ***ZWSOFT Made a Wonderful Presence at Global Industrie 2022 in France***

27 May 2022

ZWSOFT had a great show at Global Industrie 2022, a leading French exhibition that aims to spot trends and emerging signals to better anticipate transformations in the industry. With 2,300 exhibitors covering the whole industrial ecosystem, Global Industrie 2022 had attracted nearly 30,000 visitors.

During this exhibition, the latest versions of ZWCAD and ZW3D were presented to our visitors, who were impressed by their compatibility and easy-to-use features, which could make their daily work more efficient. In addition, the visitors showed particular interest in ZW3D 2023's new features, such as pick enhancements and full machine simulation.

This exhibition was a great platform for ZWSOFT to get deep in touch with more French users and let them know about our all-in-one CAx solutions. We were pleased to introduce ZWCAD and ZW3D on site for visitors' positive feedback. Visitors were attracted by the great demonstration and ZWSOFT's presence at the exhibition.

## Implementation Investments

### ***America's Cup Teams Leverage Cadence CFD Solutions to Optimize Hydrodynamics Performance***

2 June 2022

Cadence Design Systems, Inc. announced that three teams competing in the 37<sup>th</sup> edition of the America's Cup will be counting on Cadence® computational fluid dynamics (CFD) solutions to help them improve overall race performance: four-time winner and defending champion Emirates Team New Zealand, Challenger of Record INEOS Britannia, and New York Yacht Club American Magic. The America's Cup is the pinnacle race in sailing and offers incredibly competitive and exciting racing for sailing enthusiasts around the world. The next highly anticipated edition will be held in 2024.

Hydrofoiling technology made a sensational impact on the race in the 2013 America's Cup, which was illustrated in an exciting race between Emirates Team New Zealand and Oracle Team USA. Hydrofoils are the wing-like structures attached under the hull of a race boat that lift the boat out of the water at increased speeds, making it appear to fly above the surface. Emirates Team New Zealand has been leveraging Cadence's Fidelity™ Marine technology for their hull and hydrofoil design ever since the race in 2013. In 2021, they raised the coveted Auld Mug trophy, the oldest in international sports, for the fourth time.

Hydrofoiling and efficiencies in the water are critical when every second counts in highly competitive racing. With an increasing demand for efficiency, fidelity and speed in the water, Cadence CFD solutions offer multidisciplinary technologies that enable design teams to analyze and model real-world scenarios, enabling them to determine optimal designs for maximum performance, long before the first prototype touches the water.

“The AC75 yachts used in the race actually spend most of their time flying above the water,” said Dan Bernasconi, technical director Emirates Team New Zealand. “By having a hull design optimized for hydrodynamic takeoff and touchdown efficiency, we are much more equipped to predict performance. Cadence Fidelity Marine is the leader in hydrodynamic modeling and simulation and is an important part of our comprehensive tool suite.”

INEOS Britannia, which is competing in its third consecutive America's Cup campaign, has a strong team lined up for the event. The team plans to learn from the experience of its previous two campaigns to lead a hard charge towards bringing the America's Cup to Britain for the first time in its history.

“Simulation and CFD are the principal tools used to predict and refine the performance of our America's Cup race boat,” said Martin Fischer, INEOS Britannia chief designer. “When it came to selecting a provider for these services for AC37, we at INEOS Britannia believe the Cadence Fidelity solutions will best fit our needs.”

New York Yacht Club American Magic, formed in 2017, is driving towards a vision to “win back” the cup. The team name includes a nod to the New York Yacht Club's 101-foot schooner “America” that won the first race back in 1851, as well as to “Magic,” the first yacht to successfully defend the Cup in 1870. In that first race, “America” finished eight minutes ahead of their closest rival and thus garnered the namesake for the race.

“American Magic has selected the Cadence Fidelity Marine software as its primary CFD tool for hydrodynamic analysis and design as it continues to provide state-of-the-art numerical simulation capabilities for marine applications,” said Len Imas, PhD, American Magic Design Team. “Among

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commercial and research codes in use today, it remains the industry leader over the course of multiple America's Cup campaigns by providing robust and accurate results and expanding functionality in areas involving high-performance hull and appendage design analysis, marine vehicle dynamics and fluid-structure interaction.”

Cadence CFD solutions support Cadence's Intelligent System Design™ strategy.

## ***Arden Companies Advance Their Digital Transformation with Centric PLM™***

3 June 2022

Centric Software® is delighted to announce the release of a success story about its customer, Arden Companies.

Arden was founded in 1964 and privately held until 2019 when they were acquired by Central Garden & Pet companies. Headquartered in Michigan, Arden is a leading outdoor cushion and pillow provider for North America, producing both retailer private label brands and their own national brands. The company also sells via their e-commerce site.

VP of e-Commerce at Arden Companies, Alex Thomson says, “We reached a certain size about 10 years ago where the scope and scale of the programs that we were supporting had really exceeded our capability of managing them through any old-fashioned method, no matter how robust the process was supporting that.”

Arden chose to partner with Centric Software to reduce errors and the uncertainty of not knowing what information was the latest. The company has seen their needs change over the past 12 years since their first PLM implementation, and has relied on Centric PLM to stay ahead of Arden's shifting technology requirements and variable market conditions.

Today, PLM houses all Arden's product information, handles sample requests, serves as a central digital hub for all their global locations and much more. Discover all the different ways that Arden leverages Centric PLM to run their business and secure their future.

## ***Atos boosts weather forecasting capacity for Finnish Meteorological Institute with its BullSequana supercomputer***

30 May 2022

Atos announces that it has been selected by the **Finnish Meteorological Institute (FMI)**, the government agency responsible for gathering and reporting weather data and forecasts in Finland, in a seven-year multi-million-euro deal, to supply, deliver, install and operate a supercomputing system, based on its BullSequana XH2000 architecture. Compared to FMI's current solution the new system will increase its computing power by a factor of 4 and will enable it to provide its clients with enhanced and more precise and reliable forecasting information.

The new supercomputer will be used in different areas of numerical weather prediction (NWP) including short-range weather forecasting and nowcasting (forecasting on a period of up to 9 hours). It will also enable meteorologists to more accurately predict and determine the intensity of severe weather events long before they occur. It will be used to run atmospheric and oceanic computing models such as the HARMONIE-Arome NWP model developed by ACCORD consortium (in cooperation with the European Centre for Medium Range Weather Forecasts (ECMWF)) which is FMI's most computationally demanding and most time-critical workload.

The new supercomputer will enhance the operational NWP collaboration between Norway, Sweden,

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Estonia and Finland (MetCoOp), in which all the members jointly run a weather forecasting model, to provide the best possible short-range weather forecasts for the region. This shared operational implementation of the HARMONIE-Arome weather model (called MEPS) looks at several forecasts - one of which is run on the FMI system - rather than one single forecast, to predict the probability of extreme weather more effectively.

*“Thanks to this investment, we will now be able to improve the horizontal resolution of our NWP model from 2.5km to 1.3km, which enhances the skill and reliability of prediction and reduces the biases, meaning more accurate information to strengthen our weather warnings, to ensure a weather-ready Nordic society, enhancing safety and security for our citizens”* said **Sami Niemelä, Director at Finnish Meteorological Institute (FMI)**.

*“Weather prediction requires a huge amount of computing power and with our BullSequana XH2000, equipped with the latest generation AMD’s EPYC 7003processors and NVIDIA HDR InfiniBand, FMI will be able to increase its computing capacity to deliver significant improvements in numerical weather predictions”,* said **Emmanuel Le Roux, Group SVP, Global Head of HPC, AI & Quantum at Atos**.

The Finnish Meteorological Institute is a part of the Ministry of Transport and Communications, and is an impartial research and service organization with expertise covering a wide range of atmospheric science activities in addition to the gathering and reporting of weather data and forecasts. It provides weather and climate-related services to the Defence Forces, government departments, the public, civil aviation, shipping, industry, agriculture and commerce.

The BullSequana XH2000 supercomputer will be installed in early 2023.

## ***AVEVA And Kent Partner to Drive Digital Acceleration Across Energy Sector***

30 May 2022

AVEVA, a global leader in industrial software driving digital transformation and sustainability, has signed a memorandum of understanding (MoU) with Kent, the leading international integrated energy services partner, to mutually explore and design new frameworks for applying digital solutions across the energy industry.

The partnership will allow energy customers around the world to leverage both companies’ strengths to drive their digital transformation and sustainability objectives in innovative ways. Kent will utilize AVEVA’s platform to reinforce its position as a top global energy services firm with enhanced digital offerings. AVEVA will support Kent’s digital design and service offerings so its customers can tap into the power of advanced technologies to fuel their transformation journeys.

The collaboration unlocks new opportunities for innovation in digital asset delivery and unleashes the potential of EPC4.0 and digital twin solutions based on AI, big data, cloud, and immersive technologies. Customers can now tap into the combined strengths of AVEVA and Kent to implement novel and tailored digital solutions and gain comprehensive support across the full lifecycle of an asset. Together, the companies offer a data-centric approach, from speedy asset design to smart construction and unified operations.

Better awareness about the environmental impact of fossil fuels and a global mandate to achieve global net-zero goals have led to increased pressures on industrial enterprises to embrace environmental sustainability. Energy companies are adopting digital technologies to optimize the design, engineering and construction of new projects, increase operational efficiency and safety, and adopt green processes to reduce overall emissions. They are seeking cutting-edge solutions that can leverage data and apply advanced analytics to meet their sustainability objectives and execute capital projects effectively.

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The AVEVA and Kent collaboration is well timed to help energy customers address their evolving sustainability targets. Both companies have a proven track record of successfully delivering innovative projects in the energy sector on a continuous basis. Kent has developed deep proficiency in industry processes and plays a key role in creating innovative solutions for efficient project execution, while AVEVA is the leading technology expert housing end-to-end lifecycle tools, platforms and expertise.

Commenting on the collaboration, Peter Herweck, CEO AVEVA, said, “AVEVA spotlights the value digital acceleration brings to industries. Our technology seamlessly delivers the data and insight enterprises need to empower the modern workforce. We help customers become more efficient and sustainable across the lifecycle from engineering to operations, and maximize asset, production and supply chain performance.

“We are excited to start this journey and contribute to shaping the future of our industry by delivering solutions for efficiency and sustainability. Our collaboration with industry leaders such as Kent will support owner operators to achieve sustainable, efficient, modern plants that are fit for purpose in the future.”

"Technology has become the bedrock of transformation in our industry and Kent's digital innovation capabilities have led us to the forefront of that change," said Tush Doshi, Chief Operating Officer at Kent. “We look to disrupt this further alongside our like-minded partner AVEVA. This MoU creates room for an even stronger collaboration between two industry-leading companies, enabling Kent and AVEVA to be the ultimate digital solutions partner for clients across the globe."

## ***Bureau Veritas and Aras Deploy Digital Twin Pilots***

1 June 2022

Aras, which provides the most powerful low-code platform with applications to design, build, and operate complex products, and Bureau Veritas, one of the world’s leading ship classification societies and offshore safety and verification bodies, announced they are deploying digital twin pilots across different markets to provide accurate and detailed information in real time and further advance classification processes.

Bureau Veritas has embarked on a major revamping of its digital tools supporting its Marine & Offshore services. As part of this global program, the deployment of digital twin technology will enable Bureau Veritas to create a single source of truth for each ship and asset, ensure end-to-end traceability of ship data, anticipate the evolution of regulatory requirements, continuously update data from design to operations, and increase collaboration with real time access to ship data. As a result, Bureau Veritas will enhance its customer experience through solid and reliable data collection and updates that will support classification services. This digital twin will also be a foundation to further develop data services to improve safety, operational and environmental performance for all types of assets.

"Through our collaboration with Aras, we are bringing major innovation to the maritime industry that will provide our customers with an advanced and enhanced digital experience for all type of services. We chose Aras Innovator® for its flexibility and ability to adapt to our business needs. It will enable greater collaboration with our customers and facilitate data transfers and connections with our clients’ systems.” Laurent Hentges, Vice President – Digital Solutions & Transformation at Bureau Veritas Marine & Offshore.

“The implementation of the Aras platform will enable Bureau Veritas to create a true digital twin that reflects real time configuration and can trace operational and maintenance activities that have occurred

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to their vessels over time, all while connecting to other information systems like enterprise resource planning (ERP) or computerized maintenance management system (CMMS). We look forward to working with Bureau Veritas more broadly in the global digital transformation of its business processes." Stéphane Guignard, Aras Vice President of Operations in Europe.

Bureau Veritas' digital classification strategy includes three pillars:

- 3D classification: Moving from reviewing 2D plans classification to collaborative design review on a unique 3D model.
- Remote and augmented surveys: Using collaborative tools to enable experts to perform surveys while not being on board. They include the use of Remote Inspection Techniques such as aerial drone to reduce risk for the personnel on board and improve the classification operations safety and the use of artificial intelligence (AI) to support the surveyor during the inspection.
- Predictive & optimize schemes: Leveraging data and connections to client systems and equipment, such as Machinery Maintenance with Planned Machinery Maintenance (PMS) or Condition Based Monitoring (CBM).

These three pillars will be supported by the revamp of Bureau Veritas' production tools into a collaborative, data centric platform connected to clients. The new platform will also be leveraged to support additional services such as energy efficiency.

With Aras, Bureau Veritas intends to enhance experience, service and valued delivered by making the digital twin collaborative and accessible to its customers. Bureau Veritas will continue to stay true to their mission of shaping a better maritime world by keeping vessels safe, compliant, and environmentally friendly throughout their entire operating life.

## ***BW Energy chooses IFS to drive global oilfield development***

31 May 2022

IFS, the global cloud enterprise software company, announced that BW Energy, a global oil and gas Exploration and Production (E&P) company has selected IFS Applications enterprise resource planning (ERP) and enterprise asset management (EAM) software to support its global oilfield production and development strategy.

The implementation will allow BW Energy to drive global enterprise-wide efficiencies across multiple business functions, from asset management and supply chain to human capital management (HCM) and finance. In addition, the operator will use the software to replicate data between offshore units and onshore offices.

The IFS solution will also help BW Energy manage carbon emissions as it develops new oilfields and enhance the maintenance of its offshore production assets. The software will help BW Energy to plan, schedule and resource maintenance activities in advance, enabling the company to make changes quickly and easily.

Knut R. Sæthre, CFO, BW Energy, said: "We are focused on unlocking proven worldwide offshore oil and gas resources but utilising existing infrastructure that leads to lower development costs, faster project delivery and reduced carbon emissions. Supported by IFS technology, our strategy enables low-carbon field developments which support the ongoing transition."

"IFS' oil and gas industry expertise is reflected in the rich and critical functionality of the software. Its ability to support multiple business activities, together with the ERP and EAM capabilities, helps us to meet our multiple goals quickly and efficiently while giving us the agility we need to navigate a rapidly

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changing market and regulatory environment.”

BW Energy is initially deploying IFS Applications across its US, Norway, Brazil, West Africa and Singapore hubs, with more country sites to follow in the future.

Elni Kullmer, Regional President for North and Central Europe, IFS, said: “We look forward to working with BW Energy to ensure their strategic vision is realised over the coming years. IFS solutions are designed to offer fast growth companies like BW Energy an uncomplicated path towards becoming more data-driven and improving innovation. BW Energy is committed to developing oil and natural gas fields in a way that is efficient, low carbon and supports the energy transition, and we are proud to partner with them to help guide them on their journey.”

## ***Christian Moreau Selects Centric PLM™ as their Digital Transformation Foundation***

30 May 2022

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

Founded in 1984 in Saint-Michel-sur-Rhône, Christian Moreau is the official apparel supplier of the French gymnastics team. The Made-in-France brand is known for its creativity and technical expertise in design and manufacturing and is strong at patternmaking, cutting, sublimation, screen printing and rhinestone application.

Christian Moreau was acquired in 2020 by Benoît Deves, Philippe Frescaline and Amélie Rivoire, who now runs the company. One of Rivoire’s first priorities was to implement a Product Lifecycle Management (PLM) solution to streamline business processes and modernize the company’s branding and product portfolio.

“Our product catalog is enormous as each customer can intricately customize their leotard and this leads to a complex product nomenclature,” says Amélie Rivoire, CEO at Christian Moreau. “Currently we use an ERP system to manage our bills of material (BOM) by product and size.”

In order to reduce product development timelines, the company knew they needed to streamline and structure their business processes. Their ERP, acquired two years ago, could not support their business transformation goals.

Both Christian Moreau’s Artistic Director and Production Director had experience using Centric PLM in the past and were impressed with its performance. After evaluating two software solutions, the leadership team chose Centric Software as their digital transformation partner.

“The simplified BOM management in Centric PLM appealed to us and we expect product development to be 2 to 4 times faster,” says Amélie Rivoire. “And, we will have a modern, easy-to-use, digital tool that will connect the entire company.”

“We are proud that Christian Moreau has selected Centric PLM as the foundation for their digital transformation and modernization projects,” says Chris Groves, President and CEO of Centric Software. “We know that they will continue to support gymnasts by creating innovative and original apparel of the highest quality and technical standards.”

## ***Ducati Accelerates Innovation and Customer Experience with SAP***

27 May 2022

SAP SE announced a global collaboration with Ducati Motor Holding S.p.A., the Italian motorcycle manufacturer, which chose the RISE with SAP solution to enable an important business transformation covering key business processes.

The collaboration is underpinned by a shared desire to improve and enrich the experiences of passionate Ducati customers through innovation excellence and cutting-edge products and services.

Technology and innovation are essential elements in Ducati's DNA. With SAP, the Italian company aims to be at the forefront. Its intent is to create an intelligent business network with suppliers and partners, extending the digitalization of processes and enhancing the accuracy and timeliness of information. These are necessary steps as Ducati puts passionate customers at the center of its business to respond effectively and efficiently to an increasingly complex global supply system.

To achieve these goals, Ducati will adopt the SAP Commerce Cloud solution for Ducati's online business management. It will also deploy the SAP Integrated Business Planning for Supply Chain solution for agile supply chain planning that will lead to an extended and integrated digital supply chain.

"Our passionate customers have always been at the center of the company strategy, and we try to offer them the best possible experience in the world of two wheels. We rely heavily on innovation and technology to be at the forefront of our business processes given our focus on product development," said Claudio Domenicali, CEO, Ducati. "Supply chains are increasingly complex and have been subject to transformation in recent years. Having a partner like SAP at our side will allow Ducati to make the supply chain even more flexible, reactive and integrated, connecting the needs of the 'Ducatisti' better to the logic of supply and production."

The Ducati brand is synonymous with excellence and known all over the world for the quality of its products and the competitiveness it expresses in every race. Ducati has the highest standards for its customer experience and operates a sophisticated supply chain, with end-to-end process integration and high availability essential.

"By combining our strengths and bringing all our innovative know-how with customer experience, supply chain and RISE with SAP, we could not be prouder to be on this business transformation journey together. Customer experience today represents everything, and Ducati wants to put CX even more at the center of its operations," commented Emmanuel Raptopoulos, President, EMEA South, SAP SE. "Working alongside Ducati in the MotoGP World Championship as official partner of the Ducati Lenovo Team is a tremendous honor for SAP. The power and excellence of Ducati motorcycles, combined with the best of SAP innovation, are a winning combination."

The collaboration between the two companies extends to the world of racing, an area in which technological development and innovation have always driven excellence. SAP joins the official partners of the Ducati Lenovo Team in the FIM MotoGP World Championship for the 2022 season.

## ***Geely Auto Group Uses Configit to Accelerate the Sales Configuration Process of Their New EV Brand Zeekr***

30 May 2022

Configit A/S, the global leader in Configuration Lifecycle Management (CLM), announced Geely Auto, a leading automobile manufacturer based in Hangzhou, China, has chosen Configit's Enterprise Configuration Platform to support the **digital transformation journey** of its latest global automotive

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brand Zeekr. Configit's enterprise-grade configuration platform will be the foundation of their new Vehicle Configurator Platform.

Founded in 1997 as a subsidiary of Zhejiang Geely Holding Group, **Geely Auto Group** sells vehicles under the Geely Auto brand and holds a 50% stake in the Zeekr brand. Zeekr's vision is to change mobility and through their partnerships with Baidu, Foxconn and Tencent, Geely is already driving significant change in the automotive industry.

**Working with Configit, Geely is building a Vehicle Configurator Platform** that supports their commitment to world-class research and development in the auto industry. With the Vehicle Configurator Platform, Zeekr plans to turn the **end-to-end configuration processes** into a competitive advantage by mastering the challenges of getting their configurable products to market faster and sell, manufacture and service them more effectively. The first milestone, the Sales Configurator, was implemented in just three months, a significantly fast return on investment, and is already being used by customers to order their new Zeekrs.

"Until now we tried this with some of the big platform configurator solutions from the ERP and PLM space. But Configit is the only player in the product configuration management market with both a deep understanding of the automotive manufacturing sector and a market-leading product with the power to help Zeekr change the world of mobility," said **Liu Hao, Zeekr Vice President**.

Geely Auto's goal is to develop an intuitive and efficient platform that aligns their product offerings, from engineering and sales to manufacturing and service, ensuring the entire organization operates from the correct configuration data – **one single source of the truth**.

"We are proud to attract one of the most exciting brands in the rapidly changing EV automotive industry as a customer," says **Configit CEO Johan Salenstedt**. "The speed with which Geely is driving change and implementing a solution like this is remarkable and we are excited to be able to contribute to their ambitious journey."

## ***Guess Emerges Out of The Pandemic Stronger with Centric Planning***

31 May 2022

Centric Software® is delighted to announce the release of a success story about its customer, Guess.

Guess is an iconic fashion brand created over 40 years ago by the Marciano brothers. Since then, Guess has grown from a denim pioneer into a global brand with over 1,600 retail stores worldwide and offers collections for men, women and children, as well as a wide range of accessories, from jewelry, fragrances, eyewear, to watches, shoes and bags.

Guess was on a path to replace Excel spreadsheets for buying and merchandising with an end-to-end digital solution to manage their 8,000-SKU-collections, with 4 collections released per year.

Then, the pandemic hit, bringing with it uncertainty. Capital spending came to a halt. Guess faced the same issues as the rest of the fashion industry, however in a bold move, the company decided to invest in technology during a time of market disruption, to bolster planning with Centric Planning. Says Daniel Botey, VP of Global Inventory Management at Guess Europe Sagl, "...Our need for a tool was even more urgent under the circumstances. So we revived the [planning] project during the first lockdown."

Their foresight paid off. Margins have gone up even though foot traffic in their retail stores is still down. This was due in large part to Guess' pre-pandemic game plan to increase margins, but the ability to shift merchandise across channels—something that was very difficult to do in a timely manner prior to Centric Planning—also played a role. Mr. Botey points out, "If we had had a lot of inventory, we could

not have done it. Centric Planning has been an enabler to truly follow our strategy and increase our profitability in a very, very big way.”

## ***HDFC Ltd. Collaborates with Accenture to Accelerate Digital Transformation***

2 June 2022

HDFC Ltd., India’s largest housing finance company has collaborated with Accenture to digitally transform its lending business. The collaboration, which is powered by cloud-native applications, machine learning, automation and advanced analytics, will revamp HDFC’s customer experience and business processes to provide greater operational agility and efficiency, and drive business growth.

Renu Sud Karnad, managing director, HDFC Ltd. said, “HDFC has a rich legacy of customer centric innovation, and we have always looked to technology as a way of getting closer to our customers. The ongoing market disruption in the mortgage industry calls for a focused commitment to digital-led reinvention of customer experiences, which we believe will be pivotal to driving future growth.”

The transformation exercise is aimed at making HDFC Ltd.’s lending lifecycle paper-less and nimble. A key element of the program is a cloud-native lending platform with digital workflows for every step of the customer journey including application, loan processing, credit underwriting and decisioning, disbursement and loan servicing. It leverages a machine learning-based decision engine aimed at improving risk mitigation and driving agility by standardizing the credit underwriting process.

The platform includes a user-friendly mobile application and web-based portal for customers. Developed using human-centric design principles, the intuitive mobile application and web portal will enable digital-native experiences and significantly reduce the time taken for customer onboarding. They will also offer customers real-time visibility into their home loan application status and other related service requests anytime, anywhere.

In addition, a mobile application with a specially designed, gamified user experience will help HDFC’s large sales field force and channel partners track business leads and service customers in real time.

Abhijit Singh, chief information and technology officer, HDFC Ltd. said, “We believe that embracing leading-edge technologies to develop user-centric systems and a robust technology backbone is an essential element of our transformation journey. A data-driven organisational culture and digitally enabled workplace experiences that empower our people are equally important. At HDFC, we prioritise customer-focused innovation, and our collaboration with Accenture is helping us build a future-proof business model.”

Sonali Kulkarni, who leads financial services in India for Accenture said, “We are excited to be a key partner to HDFC Ltd. in their next frontier of customer-centric innovation — digitalizing their lending process from beginning to end. By taking a cloud-first approach, HDFC will be able to leverage the power of digital innovations and embed AI-driven insights throughout their lending lifecycle. The platform will also serve as a template for additional, new customer services and capabilities, all made possible by a cloud-based digital core, which is essential for enterprise reinvention.”

## ***Monos Selects Centric PLM™ to Go the Distance***

2 June 2022

Monos, the travel lifestyle company, has selected Centric Software®’s Product Lifecycle Management (PLM) solution. Centric Software provides the most innovative enterprise solutions to plan, design, develop, source and sell products such as apparel, footwear, sporting goods, furniture, home décor,

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cosmetics, food & beverage and luxury to achieve strategic and operational digital transformation goals. Founded in 2018 and based in Vancouver, Canada, Monos targeted an underserved section of the travel market in terms of high quality, well-designed luggage that stands the test of time, all at an affordable price point. The DTC brand's philosophy is mindful travel.

Hubert Chan, Chief Creative Officer and co-founder says, "We started by creating the suitcase we always wanted, but couldn't find. Since those early days, we've expanded our product lineup beyond luggage, branching out into other product categories including bags and apparel. We consider ourselves to be not just a luggage brand, but a travel lifestyle brand. For us, travel is an all-encompassing experience and we want to offer a diverse range of products that reflects that."

The timing of the company's inception unfortunately intersected with the COVID-19 outbreak. Chan acknowledges, "Not long after we launched Monos, and we were starting to see some traction and momentum, the global pandemic essentially shut down worldwide travel. It was a scary time for us as a company."

But in an innovative move, Monos changed gears and came up with a tool that matched the global situation. Chan says, "We knew we had a great team, so rather than dwelling on the situation, we pivoted and shifted our resources into creating the CleanPod UVC Sterilizer, a portable travel wand that uses ultraviolet-C light to disinfect surfaces. With all of our efforts focused on that, we were able to bring it to market in about six weeks. It found an immediate market fit at the height of the pandemic, and generated a lot of PR coverage. That really helped us stay afloat during this time when no one was thinking about travel. From there, we were able to parlay that success into marketing at a time when other travel brands had essentially stopped—through that, we were able to capture market share, and we saw luggage sales pick up again. We also accelerated our product roadmap, launching the Metro collection of bags—the Metro Backpack, Duffel, Folio Kit and Sling—as well as the Kiyo, a travel water bottle that uses UVC technology to purify drinking water. So we were able to not only survive the pandemic, but thrive. And now we're coming out stronger than ever with a lot of exciting new products in the works."

Kathleen Westerhout, Director of Product says, "I recently joined Monos and saw right away that we could use a tool like PLM to help centralize everything in one place. I have 10 years of product design and development experience and have worked at large companies with PLM systems. So I understand how foundational PLM is for a company to be able to grow and scale.

One area that Monos wants to improve is vendor communication. Westerhout says, "Our vendors need to be able to see what we're seeing—the exact same format, exact same information because at the moment, we're using a lot of different tools that don't connect with each other and don't synchronize, so there's a lot of information in different places. It's challenging to stay organized and be on the same page with our vendors."

She describes the PLM selection. "It really came down to a couple of things. First was Centric's option for emerging brands. It fits the stage we're at as a smaller company. Second, is customer experience. From the very beginning, the communication with Centric has been super clear and very professional. They answered all our questions; we feel like a valued customer. What also made the difference, besides choosing the right platform for us, was that we felt like we'd have the support to actually see this project through and be able to build the tool the way that we want. I already have trust in the [Centric] team that they're going to support us for the whole journey."

Chan outlines the expectations for Centric PLM. "To have one source of truth for everything. We'll have all of our materials, trims, everything centralized. We'll get our vendors on board. Even product

information on our online site—if something gets updated, we won't have to think of everywhere that it lives on the website to make the changes since we'll have that single source of truth," says Chan.

President and CEO of Centric Software, Chris Groves, says, "We are delighted that Monos, our 20th customer in Canada, has chosen to partner with Centric. They've already proven how innovative and agile they are and we can't wait to see their continued success in the future."

### ***Stratasys and NASCAR Collaborate to Bring First 3D Printed Production Parts to NASCAR Next Gen Racecars***

31 May 2022

Stratasys Ltd., a leader in polymer 3D printing solutions, announced that it has been named a NASCAR Competition Partner and has teamed with NASCAR to produce the first-ever 3D printed production parts to be featured across all NASCAR Next Gen cars.

NASCAR teamed with Stratasys Direct Manufacturing to print a windshield air cockpit ventilation unit for the Next Gen car. The windshield air ducts were printed at Stratasys Direct Manufacturing in Belton, Texas on the SAF™-powered Stratasys H350™ 3D printer which is specifically designed for production consistency, a competitive and predictable cost per part, and complete production control for volumes up to thousands of parts. The parts were printed using Stratasys High Yield PA11, which is derived from sustainable castor oil. The parts were cleaned, finished, dyed and shot-blasted using DyeMansion post-processing equipment.

Additionally, the team at NASCAR designed and 3D printed an underside NACA duct for engine cooling at their research and development facility in Concord, N.C. with the Stratasys Fortus® 450mc 3D printer.

"It is exciting to see the evolution of how NASCAR has used additive manufacturing across their vehicles. We've helped them move from 3D printed prototypes to end-use production parts on their high-performance racecars," said Pat Carey, Senior Vice President, Strategic Growth for Stratasys. "We are honored to be named a NASCAR Competition Partner and to provide all teams with the first end-use production parts for their Next Gen cars. This partnership is a natural extension of the relationship we've built over nearly 18 years with NASCAR teams like Joe Gibbs Racing and Penske Racing. These teams have been quick to adopt cutting-edge technologies to enhance their car designs and provide performance advantages, and now we're happy to support the expansion to all NASCAR Next Gen cars."

The new 3D printed parts provide NASCAR with enhanced performance, flexibility, cost savings and improved aerodynamics, and are being used by every team that competes in the NASCAR Cup Series. The parts are a culmination of nearly three years of planning, design, and development, as the Next Gen car underwent more than 37,000 miles of testing before its introduction at The Busch Light Clash in February.

"The Next Gen car could not have been completed without the collaboration with NASCAR Competition Partners like Stratasys and Stratasys Direct Manufacturing," said John Probst, Senior Vice President, racing innovation, NASCAR. "During testing, we realized we needed an additive manufacturing solution that could withstand high temperatures and needed the parts delivered quickly. We approached Stratasys Direct, and they delivered not only as a supplier but as a consultant on this project. They provided us with strategic direction on design, materials, and the right additive manufacturing technologies to use to create the highest performance parts for the Next Gen cars."

Stratasys has partnered with NASCAR teams for almost 20 years to support their endeavors to create

highly competitive race cars, using 3D printing technology to support tooling, drill guides and now production parts.

“Having worked with Stratasys for more than 18 years, we’re continually impressed by the quality, speed, and flexibility that additive manufacturing offers,” said Joe Gibbs, Founder and CEO, Joe Gibbs Racing Team. “Our work together has helped move the racing world forward through new technologies that improve the sport.”

## ***Stratasys Named Official 3D Printing Partner of Toyota Racing Development***

1 June 2022

Stratasys Ltd., a leader in polymer 3D printing solutions, announced that it has been named an official partner of Toyota Racing Development (TRD). The partnership will make its debut with 3D printed production parts on the forthcoming Toyota GR86 for the GR Cup, a new single-make racing series sanctioned by SRO America.

“Additive manufacturing has allowed us to quickly iterate, design, and create parts for our race vehicles in a way that would have been far more expensive or labor intensive through traditional manufacturing methods,” said David Wilson, President of TRD. “By partnering with Stratasys we are able to advance our manufacturing practices beyond what is currently possible and really harness the possibilities of additive manufacturing for production parts.”

TRD is expanding its use of additive manufacturing from prototyping to end-use parts by integrating Stratasys Fortus<sup>®</sup> 450mc, F370 and the new composite-ready F370<sup>®</sup>CR 3D printers into their manufacturing facilities in Salisbury, N.C. and Costa Mesa, Calif. The industrial-grade 3D printers will be used to create end-use parts, including an FDM<sup>®</sup> Nylon 12CF hood vent for their new production vehicle the Toyota GR86, as well as to create a wide range of end-use parts across the TRD product portfolio. Further, TRD has been a long-standing customer of Stratasys Direct Manufacturing, utilizing various additive manufacturing technologies for prototyping. TRD will further utilize Stratasys Direct services to 3D print a clamp for the GR86, utilizing the Stratasys H350<sup>™</sup> 3D printer powered by SAF<sup>™</sup> technology and using sustainable Stratasys High Yield PA11 material.

“This new partnership represents a significant moment in the evolution of additive manufacturing for high performance automotive racing applications,” said Pat Carey, Senior Vice President, Strategic Partnerships for Stratasys. “We will partner with TRD to support their efforts as they further adopt, prove out and integrate additive manufacturing into their production as a prototyping, tooling and end-use parts solution across the GR86 and TRD custom parts as well.”

TRD plans to continue to integrate additive manufacturing into their manufacturing processes for TRD-branded vehicles and racing cars. The GR Cup, featuring the GR86, is set to begin in 2023.

## ***Urban Digital Twin pioneer Cityzenith announces pivotal ‘Clean Cities – Clean Future’ project in Los Angeles***

23 May 2022

Los Angeles’ Better Buildings Challenge, a community of building owners representing 150 million ft<sup>2</sup> of commercial real estate space committed to ‘going green’, has partnered with Urban Digital Twin pioneer Cityzenith.

The partners will implement the company’s SmartWorld Digital Twin product in LA’s Bunker Hill area to explore the use of this advanced technology to enable owners of buildings of any size, anywhere, to

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simulate their optimum financial paths to net zero emissions.

Urban Digital Twins are virtual replicas of real buildings, infrastructure, networks, etc. in cities connected to the data in and around them, and they are used to simulate and improve operational behavior in cities – including traffic, crowd movement, and emissions reduction.

Los Angeles now joins many other major US cities in Cityzenith's 'Clean Cities – Clean Future' initiative, including New York, Phoenix, and Las Vegas, and LABBC Director David Hodgins said:

“We look forward to working with Cityzenith to demonstrate how its Urban Digital Twin technology can support the shift to net zero in this important area of LA, through simulating different potential scenarios and recommending the optimal combination of projects and financial strategies to make the whole thing work.

“The wider potential for the rest of LA, the state of California, and nationally and globally, is enormous.”

Michael Jansen, CEO and Founder of Cityzenith said:

“We are excited to be working in America’s second largest city (pop: 4.1 million) a long time champion of green buildings. We have to decarbonize almost six million buildings in America in the next 10 years and didn’t have the technological tools for that until today.

“A building’s data can be the key to enabling emissions reduction at scale, citywide. SmartWorld, our revolutionary Digital Twin platform, is an AI-driven, “systems of systems” platform designed to analyze and optimize the myriad of variables in a green building project – electrification, renewables, financial incentives, and other dynamic variables – helping buildings to go green for less cost and no risk.”

Cityzenith, joined the World Economic Forum’s prestigious Net Zero Carbon Cities program last year and CEO Michael Jansen, was recently interviewed by CNBC and Cheddar News about Clean Cities – Clean Future.

Jansen added: “This ground-breaking project in Los Angeles will also demonstrate how net zero buildings are cheaper to operate and attract higher rents and valuations. We are looking forward to working with our amazing partner in Los Angeles to see this project through to fruition.”

## ***Wipro adopts RISE with SAP, sharpens focus on cloud adoption as means of transformation for customers***

31 May 2022

Wipro Limited, a leading global information technology, consulting and business process services company, announced that it has selected RISE with SAP S/4HANA® private edition, as the next step to drive innovation across its business operations.

The selection of the RISE with SAP solution underscores Wipro’s commitment to digital transformation under the company’s ambitious growth agenda. The move will simplify Wipro’s processes and consolidate them into a unified platform. The platform’s scalability, stability and enhanced automation will enable streamlined operations and reduced total cost of ownership.

Further, as a global strategic SAP partner, Wipro will leverage its experience with RISE with SAP S/4HANA Cloud, while using its proprietary transformation framework, Wipro eSymphony, and its US\$1 billion investment in Wipro FullStride Cloud Services to help its customers become more intelligent enterprises.

“We are continuing to invest in scalable internal systems that drive productivity, agility, and efficiency,

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both for our company and our clients,” said Thierry Delaporte, CEO and Managing Director, Wipro Limited. “Our decision to adopt RISE with SAP S/4HANA Cloud is the latest example of our focus on process simplification. This will also greatly enhance our expertise in SAP software implementations, allowing us to accelerate our clients’ transformation journeys substantially.”

“RISE with SAP is attracting companies of all sizes to help them transform their business while moving to the cloud,” added Christian Klein, CEO and member of the Executive Board of SAP SE. “Wipro’s adoption of RISE with SAP combined with their over 25 years of SAP experience and their eSymphony transformation framework will further increase their ability to support customers on their unique transformation journey. We are looking forward to partnering with Wipro to ensure our joint customers’ continued growth powered by innovation.”

The go-to-market strategy shared between SAP and Wipro combines the best of both worlds for customers, as the combined offering guides global enterprises on the transformation through cloud adoption.

Wipro eSymphony integrates the discovery, assessment, design and orchestration of digital transformations within a single unified platform, helping clients accelerate innovation and tap into unrealized value from their investments. The platform combines a wide range of capabilities across design-thinking principles, industry-centric insights, business process intelligence and platform integrations with a cloud-first mindset. For SAP customers, Wipro eSymphony enables faster adoption of RISE with SAP – reducing total cost of ownership by up to 20% and helping them transform into an intelligent enterprise with SAP S/4HANA.

## Product News

### ***ActCAD 2022 Update 1340 Released, Dt.01-Jun-2022***

1 June 2022

ActCAD announces the release of its new version 1340 for ActCAD 2022 Professional, Standard and Prime Versions.

This is a general maintenance release of 2022 version. Below is a list of improvements:

- Implemented few improvements in Network Licensing Technology and Usage logs
- Updated ODA dwg libraries
- Fixed issue with Visual Lisp function to automatically call (vl-load-com)
- Implemented Import Options in Sheetset Manager
- Fixed certain loading issue of COM DLLs autoloading
- Fixed save and load PDF options on Publish Dialog
- Added sheet dialog on Publish Dialog
- Fixed crash issue with certain hyperlinks
- Fixed invoke lispCancelled upon RTCAN status
- Fixed the issue of after clicking the TABLE cell, the data format precision display error and text color error
- Fixed the issue of zoom Entity on a layout
- Fixed -LAYOUT command does not support the command line for all options

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The new versions are available from ActCAD download page. Existing users can use Check for updates command to get the latest version.

## ***AVEVA's Enterprise Visualization Drives Sustainability Initiatives For Water And Renewable Power Customers***

30 May 2022

AVEVA, a global leader in industrial software driving digital transformation and sustainability, has announced two new industry templates for customers to accelerate the deployment of enterprise visualization. The AVEVA™ Unified Operations Center for Water and AVEVA™ Unified Operations Center for Renewables solutions underline the company's continuous efforts in supporting global customers' sustainability initiatives and objectives.

The adverse effects of climate change are demanding greater industrial sustainability and compelling organizations to reimagine and align operations towards environmental, social and governance (ESG) frameworks. Recent AVEVA research reveals that 89% of industrial companies are investing in digital solutions to achieve their sustainability goals, with a focus on collaboration tools, real-time data, and predictive analytics.

Digital tools have a significant role to play in today's dynamic business environment. They offer the potential to drive 20-30% productivity gains and can unlock more than \$100 billion in value, according to McKinsey estimates. In addition, digital tools support customers in making the complex decisions required in today's business environment. Gartner data shows that 65% of decisions are more complex today than just two years ago. AVEVA's software for enterprise visualization responds to this growing need.

### **Contextual information for informed decision-making support**

AVEVA™ Unified Operations Center solutions for water and renewable power enable customers to leverage deep insight and operational guidance from many geographically dispersed assets, delivering enterprise visualization that accelerates their business goals and contributes to their net-zero targets.

Rashesh Mody, Senior Vice President, Monitoring and Control Business Unit, AVEVA, said, "Our enterprise visualization category offerings will enable ESG strategies for industrial companies and empower them to reduce their carbon footprint through real-time insights. AVEVA Unified Operations Center provides enhanced awareness and guides enterprise users in better understanding their global operations and responding to internal and external events that can promote sustainable outcomes. Depending on the industry, customers can unearth value from their data that was previously inaccessible, by improving visibility at higher decision-making levels, while providing organization-wide context alongside other types of information within a single application."

Enterprise visualization solutions such as AVEVA Unified Operations Center help teams and users tasked with organization-wide responsibilities. They make content available through a single pane-of-glass environment, where data from Operations Technology (OT), Information Technology (IT), and Engineering Technology (ET) converge to provide actionable information in context for industrial operations.

Frequently deployed as intelligent operations centers, these systems promote greater operational awareness and improved crisis response, integration, and collaboration across functional departments, and enable the sharing of information and coordination of daily activities and processes.

AVEVA Unified Operations Center is unique in offering a centralized view to improve decision making,

thanks to established capabilities in collecting, visualizing and analyzing data, and providing action-centric information within a system-of-systems approach. The solution connects people, assets, systems and sites, empowering customers with contextual data to make key decisions.

With the new integrations, companies in the water and renewable power sectors can now enjoy the benefits of integrated and enhanced visibility, enabling deeper insights for quick and accurate decision-making to drive sustainability. The solutions enable increased agility allowing teams to make decisions in parallel to each other, expediting responses to performance events and drive reductions in energy consumption and production through optimization opportunities.

## ***Cadence Accelerates Industrial, Automotive, Hyperscale Data Center, and Mobile SoC Verification with Expanded VIP and System VIP Portfolio***

1 June 2022

Cadence Design Systems, Inc. (Nasdaq: CDNS) today announced the availability of 15 new Verification IP (VIP) solutions that enable engineers to quickly and effectively verify their designs to meet the specifications for the latest standards protocols. The new Cadence® VIP offerings empower customers to confidently develop their next-generation industrial, automotive, hyperscale data center and mobile SoCs while keeping pace with the latest industry standards, including LPDDR5x, MIPI® CSI-2® 4.0 and UFS 4.0, and the newest versions of the USB4, Arm® AMBA® 5 CHI and GDDR interfaces.

The new Cadence VIP offer customers a comprehensive verification solution for the most complex protocols. Cadence customers have access to a consistent API across all VIP with complete bus function models (BFMs), integrated protocol checks and coverage models, facilitating rapid adoption. The VIP support multiple application areas and specifications, including:

- Industrial:
  - MIPI I3C<sup>sm</sup> 1.1
  - MIPI CSI-2 4.0
  - eUSB2 1.2
- Automotive:
  - MIPI A-PHY<sup>sm</sup> 1.0
  - MIPI DSI-2<sup>sm</sup> 2.0
  - Flash ONFI 5.0
  - CAN XL
- Hyperscale data center:
  - CCIX 2.0
  - Latest version of AMBA CHI
  - Latest version of GDDR
- Consumer and mobile:
  - DisplayPort 2.1
  - Ethernet 5G
  - LPDDR5x
  - Latest version of USB4

- UFS 4.0

All Cadence VIP solutions include Cadence TripleCheck™ technology, which provides users with a specification-compliant verification plan linked to comprehensive coverage models and a test suite to ensure compliance with the interface specification. The new VIP also support the expanded Cadence System-Level Verification IP (System VIP), which provides SoC-level test libraries, performance analysis, and data and cache coherency checkers.

“STMicroelectronics has successfully utilized a broad range of Cadence VIP, including Arm AMBA, Memory Models, MIPI I3C and CSI-2, eUSB2 and the advanced Cadence System VIP solution, which enabled us to deliver industry-leading solutions for key projects, including ST Industrial MCUs and MPUs,” said Philippe d’Audigier, system-on-chip hardware design director at STMicroelectronics. “Cadence continues to deliver new VIP offerings and advanced SoC verification technologies that support the latest standards. We look forward to continuing our collaboration to develop our next-generation products.”

“As requirements evolve and demand increases for higher bandwidth, lower power and more effective cache coherency management, new protocols arrive to address these issues,” said Paul Cunningham, senior vice president and general manager of the System & Verification Group at Cadence. “By introducing these 15 new VIP, Cadence provides customers with solutions that ensure they can keep up with evolving standards. Our customers can confirm their designs comply with the standard specifications and application-specific timing, power and performance metrics, providing the fastest path to IP and SoC verification closure.”

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

## ***EPLAN is now available in the Microsoft Azure Marketplace***

30 May 2022

According to surveys, three out of four companies are already using services from the cloud, and the number is rising (source: Bitkom). In particular, it allows many businesses to keep up with rapidly changing hardware and software requirements. Companies expect a great deal from cloud solutions, including in engineering. One question they may ask is whether previous on-premise solutions are also cloud-compatible? Solution provider EPLAN set up its first cloud products and services years ago. Its range is being expanded in the cloud: EPLAN offers customers of the EPLAN Platform a standardised and free implementation solution for deploying the EPLAN Platform in the Microsoft Azure Cloud. The prerequisite here is that these customers have already established or are setting up their company’s own cloud infrastructure in Microsoft Azure. Moreover, EPLAN offers professional advice on implementation. The customer retains control over the operation of the cloud infrastructure and the EPLAN software. Customers benefit from an installation package that has been tested and pre-configured to run, and deployed with state-of-the-art technology.

### **Available globally in the Microsoft Azure Marketplace**

The solution is provided worldwide via the Microsoft Azure Marketplace and follows proven quality standards. Alongside verification by solution provider EPLAN, the applications have also been validated

by Microsoft. Due to Microsoft Azure's worldwide availability, global companies in particular can now put their engineering into the cloud and make cross-location work easier. Deployed in the customer's own cloud environment, responsibility for operation and maintenance of the EPLAN software and related infrastructure lies with the customer.

## **Implementation solution makes it easy to get started**

The motivation for a complete switch to the cloud is similar: Companies are choosing to move their existing and local IT landscapes to the cloud. This means that overall IT management costs can be greatly reduced or outsourced to external cloud service providers. But there is also a challenge in every changeover: Companies often need intensive support, for example, in specifying the cloud infrastructure, integration with other systems, or location-independent database access. EPLAN has developed a sophisticated solution, which helps to implement EPLAN solutions in Microsoft's company-specific Azure Cloud. Moreover, EPLAN's consultants offer set-up assistance via a variety of consulting services.

## **In the real world: impressive right from the start**

SCHULZ Systemtechnik, based in Visbek, Lower Saxony, Germany, is one of the first customers to use EPLAN in the cloud. Phil Krümpelmann, Head of Organisation and IT, is convinced by this, a ground-breaking step: "My colleagues in electrical engineering were thrilled, because this greatly simplifies collaboration within the design team. "After starting with EPLAN Electric P8, we have aimed to integrate other EPLAN systems into the cloud that had been previously running on-premises," he explained. "We expect cloud technology will give us far greater flexibility in our working processes and lead to an overall increase in efficiency, above all when integrating new systems into the IT infrastructure. And this is happening ever more in this age of digital transformation."

## ***Graitec Releases Version 2023 of Advance Design***

31 May 2022

**GRAITEC, an international software developer for AEC, is delighted to announce that Advance Design 2023 has been released. We have developed exciting new features that will enhance all your structural projects, and these are based on the needs and requests of the ever-growing communities that have gathered around the software developed by Graitec.**

The 2023 version of Advance Design is enhanced with a lot of new user centric functionalities that feature high-end benefits, and they are centred around a few main subjects:

- **Performance** - a significant reduction of the time required for calculations.
- **Construction Stages** - new mechanism for the definition, management and calculation of structures using stages.
- **Advanced non-linear supports** - new possibilities for defining nonlinear relationships for supports.
- **Masonry structures** - possibility to model and verify masonry walls (acc. EN 1996) using a new Masonry Wall design module.
- **Wind on free standing walls** - possibility to generate wind on free standing walls acc. EN 1991-1-4.
- **Result tables** - fast and easy checking of FEM results with Results Tables.
- **Localization for Spain and Portugal** - adaptation of Advance Design for the Spanish and Portuguese market, including the introduction of new national annexes for the Eurocodes and

new working languages for both countries.

- **Improvements** to New possibilities and improvements for reinforcement concrete design, Version 2023 of Advance Design also comes with a vast number of improvements and adjustments following the feedback received from thousands of users worldwide. Particularly a lot of new features have been introduced to RC design modules, which have gained dozens of distinct types of improvements.

## ***Graitec Releases Version 2023 of Advance PowerPack***

30 May 2022

**GRAITEC, an international BIM, Fabrication, and Design software developer for AEC, and Autodesk® Platinum Partner across Europe, the USA and Gold Partner in Canada, is delighted to announce the 2023 release of the PowerPack for Revit, PowerPack for Advance Steel, PowerPack for Inventor and PowerPack for Vault.**

The Graitec PowerPacks are powerful plugins for Autodesk software that enhance productivity and streamline workflows on day-to-day projects and the 2023 versions are now even more valuable, containing multiple improvements and new commands.

With Advance PowerPack 2023, Graitec delivers to Autodesk users highly valuable tools to increase their productivity and efficiency when using Autodesk solutions such as Advance Steel®, Revit®, Inventor® or Vault® with 00's of new features in different areas.

### **PowerPack for Revit**

**Link to Excel:** additional functionality has been added to the Link to Excel enabling Sheets and their associated parameters to be Exported and manipulated in Excel. We have also added the ability to create a new family type using the Link to Excel.

**Family Manager:** a tool that was already a top customer feature has been enhanced with a new smarter interface and the ability to add families to a new favourites section. Searching and Views have been improved. It is now possible to save your configuration for use by other users.

**BIM Connect:** this tool has been updated to be compatible with the new approach to analytical modelling in Revit 2023. In which the analytical model is independent of the physical model to increase its versatility and autonomy.

**Rebar Schedule Word Export:** it is now possible to export a schedule to a Word document using the “Export Schedule” option. This feature will allow a structural engineer to create a bar schedule in Word that can be attached to different documents.

**Batch Export:** the Batch Export tool has a new interface that has been modified to be more user friendly. It is now also possible to select this tool with no active project in Revit. We have also added functionality to include Revit's PDF printer.

### **PowerPack for Advance Steel**

**Line to Grid tool:** convert lines to Advance Steel grids, combined with Model Views and Camera creation, for parallel and non-parallel source lines, creating grid grouping and labelling.

**Multi Grid and Level tool:** multi Grid Level tool allows the user to quickly create grid lines and levels within the Advance Steel model space, combining also with options to create model views and cameras within those model views, maintaining a macro dialog.

**Camera Creator:** camera Creator' is designed to allow users to quickly create a series of new cameras

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within the model space, it allows the user to remain within the dialog and change the parameters for each camera placed.

**Stairs Stringer Total plate width control:** for straight stair tools is the ability to control the Stringer Width for plate type arrangements, this is by realignment of the user interaction with the controls and parameters. Allowing the user better control over stringer configurations.

**Stairs, Stringer Mitre control:** for Straight Stairs, a new feature tab to control the mitre between Flight and Landing Stringer elements, located upon the main Stringer Tab, the user can see the 'Mitre cut' option to split plate Stringer between flight and landing.

## **PowerPack for Inventor**

**Read Inventor Version:** the “Read Inventor Version” is the tool to identify the files versions and update them too latest, because up to date Inventor files are important for stable and performant CAD.

**Remove iLogic Rules:** the Remove iLogic rules command has been created to help all designers who have worked with iLogic previously, within components and now wish to remove those previous rules within a reuse of the component.

**Border Frame Swap:** the Border frame tool allows the user to easily change the Drawing Border frame, within a Created Drawing, via the use of pre-configured Template selection.

## **PowerPack for Vault**

**Email notification:** the Email notification tool, automatically informs Administrators of the Job processor status, being offline, so that job queues do not overrun.

**Migration of Inventor files:** this command allows the user to search within the Vault for selected folders/sub folders, migrating files that are require to the latest version. The tool performs this as a background process.

**Vault Configuration Report:** this tool allows the user to create Vault configuration report, that has several selectable options and containing information about the Vault environment. The report format is in HTML format, for ease or review and reuse by Administrators.

**GUI for Custom Jobs:** the command allows the user to configure the jobs directly from the Vault Explorer by provision of a GUI, instead of editing directly the two XML files (Export.Config.xml & InventorConvert.xml).

## ***Graitec Releases Version 2023 of Opentree***

31 May 2022

**GRAITEC, an international software developer for AEC, is delighted to announce that Graitec Opentree 2023 has been released. Graitec Opentree – a world-class intuitive drawing and document management system helping AEC professionals to streamline their design processes whilst meeting demanding document control requirements to the latest standards**

Graitec Opentree 2023 is the second major release under Graitec since the January 2019 acquisition. Taking the history of “Cabinet” we have extended our technology to aid efficient drawing and document management for Architects and Engineers. This release also introduces several key features as well as improvements to the interface, simplifying common operations and improving overall usability. Less time spent doing repetitive tasks means more efficient use of time.

A familiar interface that is fast, behind your firewall and an essential companion to managing all your work in progress, issued and published deliverables.

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Top 5 new functionalities:

- Sets – a great way to create collections of related documents without generating extra copies.
- Bulk Import – drag and drop folders and files into Opentree for quick and easy filing.
- Revit PDF Sheets – updating title blocks in PDF sheets as they pass through the approval workflow.
- DWG Xrefs – automatically lock or bind Xrefs before sending for checking or issuing to the client.
- Advance CAD Integration – plot DWG files to PDF whilst applying a custom plot style (.CTB file).

Says Gary Edwards – Business Line Director, MANAGE: *“Since the UK Government BIM mandate in 2016 we have witnessed the evolution of technology and design processes globally through ISO 19650. More importantly the AEC market is realising the benefits of better information management, understanding that a structured consistent approach can help drive real productivity, reduce costs and be more sustainable.*

*With the 2023 release of Opentree we continue to empower our customers to do just that. Our leading technology is helping users worldwide to deliver accurate information and better-quality designs on time. Collaboration is at the heart of what we do helping the AEC industry to build a better tomorrow ”.*

## ***HammerTech Announces Innovative Integration with CMiC to Improve Compliance and Productivity***

1 June 2022

HammerTech, the leading compliance, risk and safety software, announced an integration with CMiC, a leading ERP and finance platform, that connects project, safety and finance teams improving procurement, productivity and profitably.

Inaccurate data and disconnected systems slow down construction project teams that cause delays and impact productivity. The new HammerTech CMiC integration eliminates spreadsheets and data entry with real-time labor hours and automatic crew time calculation direct from trade partners to reduce incidents and avoid delays. The solution synergy eliminates administration time with project and vendor sync for increased compliance and faster on-boarding.

“We are at a time in Construction where interoperability and project transparency is expected across every project. Communicating field progress and potential risks to Owners, EPC’s and Contractors has never been more important than now for on-time, safer projects. “- said Ron Babich, Chief Revenue Officer of HammerTech.

The CMiC and HammerTech integration is now live, empowering teams to:

- Expedite field reporting progress (hours).
- Reduce data entry
- Improve compliance
- Prevent delays
- Improve productivity

“At CMiC, we are thrilled to add Hammertech to our ecosystem. Our integration with the Hammertech product line addresses the growing needs of the construction industry in the areas of compliance, risk

and safety. We are confident it will continue to be well received by others in this crucial area of risk management. “- Oliver Ritchie, Vice President Technology & Innovation, CMiC.

## ***HCL Technologies Launches X to Power World-Class Digital Engagement for Global Consumer Brands***

31 May 2022

**HCL Technologies (HCL)**, a leading global technology company, has launched a world-class digital engagement platform, X by HCL Technologies (X), which enables brands to improve consumer loyalty and drive conversions through personalized omnichannel marketing. Research shows only 13% of organizations have a seamlessly integrated marketing and technology stack and brands rely on many different data sources to unlock customer insights. HCL Technologies’ X overcomes these challenges by uniting multiple digital touchpoints, including websites, mobile apps and social media feeds, to create a single view of the consumer. This helps marketers access data-driven insights that enable them to optimize the customer experience and unlock the potential of their brand.

Initially created to underpin Manchester United’s rapidly expanding digital engagement channels, the award-winning platform is now available to help other global brands drive their own success stories by delivering personalized, timely communications and content. Manchester United’s global fanbase has grown with X and the club has experienced a twofold increase in digital engagement with consumers via its website.

Key features and capabilities of the platform include:

- **Publishing:** Multilingual content delivery, rich media management, real-time notifications and communication, automated publishing across devices and social channels and audience search and recommendations help brands increase consumer loyalty, through contextual and localized content.
- **Engagement:** Brands can activate complex, targeted and personalized campaigns in multiple languages to engage and retain consumer audiences, including gamification through polls and quizzes, loyalty and rewards scheme enablement, social engagement, relationship-building and livestreaming.
- **Conversion:** A 360-degree view of the consumer, reduced campaign fragmentation, automated analytics into purchase behavior, measurable KPIs, promotion management and e-commerce integration capabilities enable brands to provide a seamless user experience throughout the customer journey.

“HCL Technologies’ X is a one-stop digital engagement and publishing platform for one of the world’s biggest sports brands and we’re excited to make it available to the wider market,” said Ashish Kumar Gupta, Chief Growth Officer, Europe and Africa, Diversified Industries, HCL Technologies. “The core purpose of X is to create the two-way, in-the-moment engagement that amplifies consumers’ connection with brands and converts users into advocates. Over the last four years, Manchester United’s experience has proven the significant rewards available to organizations that can harness X to drive world-class digital engagement. We look forward to enabling other marketers to use the next-generation capabilities of our platform to improve brand loyalty and optimize revenue growth.”

“The ability to create a two-way digital dialogue with our fans is vital to scaling our brand to a wider global audience,” said Phil Lynch, Chief Executive Officer of Media, Manchester United. “The platform HCL built for us has proven to be the perfect foundation to enable continued growth, by providing the insights the club and its partners need to deliver meaningful and personalized content that truly engages

our fans. The capabilities the platform provides will ensure we are well-equipped to continue creating compelling brand experiences for our fans long into the future.”

"Anglo American is committed to driving sustainable change for the communities that host us," said Zaheera Soomar, Global Head of Education, Anglo American. "As part of that goal, we want to ensure all children in our host communities have access to excellent education and training opportunities to reach their true potential. X by HCL Technologies is enabling us to deliver on that promise by creating a world-class student and teacher engagement platform for early years, primary, secondary and post-secondary education in South Africa. This platform has been purpose-built to support students from communities with limited internet connectivity, providing access to more than 2,000 zero-rated and subsidized learning materials and resources. X also enables us to establish a two-way dialogue with those students, bringing us closer to our communities and enabling us to support their education and skills journeys better."

“Digital experiences today are multisensory and context-aware. IDC research finds more than 46% of organizations place customer experience programs as a strategic priority to ensure the business' long-term success. Ultimately, they realize the importance of content in delivering a multi-channel interactive relationship with the consumer,” said Marci Maddox, Research Director, Digital Experience Strategies at IDC. “Traditional approaches to content publishing are becoming obsolete as modern engagement platforms offer organizations multiple entry points into strengthening the relationship with their customers and leveraging technology to automate and personalize digital experiences at scale.”

## ***IRONCAD Unveils New Product Update, Featuring User-Driven Productivity Enhancements that Improve the User Experience in Both 3D and 2D***

30 May 2022

IronCAD announced the immediate availability of the IronCAD® 2022 Product Update #1 (PU1), a major extension to the most recent 2022 release. Geared to enhance productivity and the user experience in both 3D and 2D for mechanical machinery and fabrication design users, PU1 was purpose-built with new improvements to empower manufacturing companies and their ability to drive efficiency.

The power and flexibility added with this release to IronCAD are significant and can become an essential part of the user’s product development strategy. PU1 for IronCAD 2022 offers enhancements that empower engineers and increase user productivity through improvements to IronCAD’s performance when using the 3D Section Tool, usability for the 3D environment, and time spent for users during the detailing phase.

The new features and improvements of PU1 for IronCAD 2022 improve the entire CAD value chain to optimize design efficiency and production. Enabling users to take design processes to the next level, let’s take a closer look at the enhancements included in Product Update #1:

### **Performance Improvements:**

IronCAD users will notice a major performance improvement when using the 3D Section Tool, especially with large data sets such as large machines. Additionally, improvements have been made in the usage by automatically enabling the TriBall positioning tools and Default Orientation plane on the initial action to make the tool more intuitive.

### **Ease of Use Improvements for the 3D Environment:**

Users are now enabled to use the Object Browser to visually identify catalog items and selected items in the scene browser using a 3D viewer docked in the IronCAD interface. Thus quickly providing a visual representation of the selected object to help identify the correct element for a given task.

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PU1 introduces faster methods to restructure the assembly tree using Ctrl-X/CTRL-Shift-V to place under the selected item in the Scene Browser. This is a powerful ability in IronCAD to reorder the structure dynamically, and with this new improvement, it has become even faster and easier to update the assembly structure.

Direct Dimension Measure in the Stretch Tool to set the desired stretch distance without having to measure outside of the tool. Users typically want to stretch a model a certain distance from point A to B. With this new option, users can get that distance between A and B within the tool to quickly stretch the model.

In addition, users can now use Ctrl-E 3-phase toggle to Show Hidden Edges, Hide All Edges, Show Visible Edges to help control visibility in the 3D and to allow for speed increases to turn off edges on selected models that slow the performance during rotation.

Added is a new click selection filter (') to select the lowest visible assembly in the path which enables quick access to an object's parent assembly. Users can simply hold the (') key and click to get the select object parent assembly.

## **IronCAD Drawing Improvements :**

To reduce the time for users in the detailing phase, IronCAD enhanced the Auto-Item Bubble Tool to allow for more control for placement of Item Bubble and improved results to reduce overlapping leader lines.

With the addition of new visibility controls for the BOM to show non-item bubbled rows in the BOM both inside the edit BOM control and with the Item Bubble creation Tool to help users understand what "is" an "is not" item bubbled.

Improved dimension capabilities, including correct dimension placement and spacing using Over/Under Scripts, Diameter dimension support for both outside arrows and dimension lines, and to create a circumference diameter by clicking on quadrant points.

PU1 features new options to "push" individual dimension style changes back to the global style, which then would apply to all dimensions using the style.

Additionally, this release adds a new Hole Callout Style Editor in the Dimension Style to control custom callout symbols and test strings.

Further improvements in PU1 for IronCAD 2022 feature many modeling and user interface enhancements designed for existing customers and new customers alike. This product update adds new tools for corrugated packaging using the sheet metal tools, such as inverted bend support and visibility controls in sketch bend for disabled bends and color differentiation for each sketch bend category. Furthermore, IronCAD adds a powerful new ability to link to a Part Body in another Part so that changes can be made in one part and updated in the second part. A few improvements of note include updates to the integrated 3D Party products, including IronCAD Mechanical and Multiphysics for IronCAD, and quick access to reset the IronCAD XML's inside of IronCAD to improve the support communication with customers with corrupt user interface issues.

## ***Jama Software® Enables Measurable Performance Improvement with Client-Specific Success Paths***

1 June 2022

Jama Software®, the leading requirements management and traceability solution provider, announced a further advancement to its market-leading customer success program that has led to high levels of

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customer retention and award-winning customer satisfaction. Jama Software clients are now able to define measurable success paths from a catalog of consulting offerings to derive optimum and continuous value from Jama Connect®. The new Jama Software Success Program helps customers accelerate the best possible business outcomes and realize long-term success. This comes with a host of holistic service offering packages that are unparalleled in the market when compared to other players in the requirements management and engineering tools space.

With in-house industry experts, extensive consulting, training, and data-driven insights to measure and improve outcomes, the Jama Software Success Program enables customers to accelerate development, improve product quality, reduce risk, and manage innovation in systems engineering.

“With this program update, Jama Software now provides best practice engineering process improvement,” stated Tom Tseki, Chief Revenue Officer. “While other software companies are focused on just implementing their solutions, Jama Software is focused on providing measured process improvement for our customers that goes way beyond just the implementation of software.”

With the Jama Software Success Program, clients can now select the success path that best maps to the level of collaboration required to meet their unique needs and desired business outcomes. These customizable success paths deliver the industry-specific expertise, guidance, and resources clients need to see a quick return on investment and achieve their goals.

The Jama Software Success Program has three primary offerings:

- **Essentials Success** – A foundational self-guided success path with access to key resources, tutorials, and training to set customers on the road to success.
- **Guided Success** – A guided success path with enhanced resource offerings, including benchmark assessments, personalized training offerings, and technical services to help evaluate compliance and improve process and quality.
- **Strategic Success** – A strategic success path that provides even more advanced offerings, premium-level support, and a close partnership in complex and ongoing enterprise deployments to drive continuous process improvement across multiple projects.

“The Jama Software Success Program leverages Jama Software’s consulting expertise and catalog offerings to build customized success paths and define a best-practice proven methodology that helps customers achieve their desired business outcomes and maximize productivity.”

*John D’Addario, Senior Director of Customer Success  
Jama Software*

“Companies are looking to measure and improve their systems engineering process to improve quality and reduce time to market. We are the first company to combine process measurement, industry consulting expertise, and requirements traceability software to make this a reality for clients through success paths.”

*Preston Mitchell, Senior Director of Global Business Consulting  
Jama Software*

## ***Matterport Completes SOC 2 Milestone for Enterprise Customers***

31 May 2022

Matterport, Inc., the leading spatial data company driving the digital transformation of the built world, announced another important step in its commitment to protect and secure customer data. An audit conducted by an independent Certified Public Accountant (CPA) firm verified that Matterport's platform meets rigorous SOC 2 Type II standards for confidentiality, a key requirement for many of the

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company's Fortune 1000 customers and other enterprise organizations evaluating the deployment of digital twins.

Salt River Project (SRP), a not-for-profit public power utility and the largest electricity provider in the greater Phoenix metropolitan area serving approximately 1.1 million customers, uses Matterport to capture physical spaces and facilities to document as-builts to achieve efficiencies regarding industrial-grade operations and maintenance, and to reduce risk through digital capture of mandated compliance requirements. For example, SRP captures Matterport digital twins to conduct inspections, collaborate, and create a digital library for ongoing reference. Using Matterport digital twins, SRP also reduces the need to travel across an infrastructure spanning hundreds of miles.

“Information security is of the highest concern for the utility industry, and SOC 2 Type II attestation is a necessity for our organization as we look for the right partner in creating digital twins of our sites and utilizing spatial data to better serve our customers,” said Russell Genet, Hydro ICE Supervisor for the Salt River Project. “We would only consider partnering with an organization that takes our data integrity and security as seriously as we do, and I believe Matterport is showing that commitment with the completion of these audits.”

Created by the American Institute of Certified Public Accountants (AICPA), SOC 2 is a reporting framework that sets benchmarks for managing customer data across five categories: security, availability, processing integrity, privacy and confidentiality. After completing its SOC 2 Type II audit for security, availability, and operational controls in 2021, Matterport has now successfully completed a SOC 2 Type II audit for confidentiality.

“Collecting, securing, and properly managing customer data is core to Matterport's business,” said Japjit Tuli, Chief Technology Officer of Matterport. “The successful completion of the next phase of our SOC 2 Type II audit on confidentiality further demonstrates our commitment to ensuring controls are in place to protect and secure customer data.”

Matterport's market-leading spatial data platform transforms any physical space into a dimensionally accurate and photorealistic digital twin, providing customers with unparalleled data insights needed to manage spaces more effectively than ever before. Over 562,000 subscribers in 177 countries have captured more than 7.3 million spaces to better access, manage and understand them - from a single property to a global portfolio of buildings. The company is investing significant resources to help its customers securely scale and leverage digital twins as a collaboration tool with their clients and partners.

## ***Oracle Fusion Cloud HCM to Add Payroll Support for France***

31 May 2022

Oracle plans to deliver Oracle France Payroll, part of Oracle Fusion Cloud Human Capital Management (HCM). The new cloud payroll solution will help organizations manage compliance, automate workflows, and quickly process payroll for employees working in France. With the addition of Oracle France Payroll, Oracle Cloud HCM will provide built-in payroll support for 13 countries including Bahrain, Canada, China, Kuwait, Mexico, Qatar, Saudi Arabia, United Arab Emirates, United Kingdom, and the United States, with upcoming support for India and Oman.

France has one of the most complex payroll processes in Europe, requiring employers to report and withhold income for a variety of taxes on behalf of the country's 30 million workers. Additionally, organizations operating in France experience rapid and continuous legislative and regulatory changes, meaning payroll processes will often vary from one year to the next. To manage this complexity, organizations with employees working in France need the support and flexibility of a cloud-based

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payroll system that automatically updates to match current payroll and reporting needs.

"Payroll is one of the single most important functions for keeping a workforce running smoothly. Employees have zero tolerance for mistakes or delays when it comes to their compensation, no matter how complicated the local rules and regulations are," said Holger Muller, principal analyst, Constellation Research. "It's essential that organizations use a cloud-based payroll system that natively integrates with their core HR systems to automatically stay up to date with changes in regulations and their workforce. The upcoming launch of Oracle France Payroll is a huge opportunity for local and multinational companies operating in France to benefit from that integration in their HR and payroll operations."

Oracle France Payroll will help organizations save time and reduce payroll errors by eliminating manual processes and automating complex rules and calculations so customers can easily comply with tax and reporting obligations. Adding France-specific capabilities to Oracle Payroll will allow French companies and multinational organizations operating in France to grow with one global payroll solution.

## **Oracle France Payroll will provide the following benefits to organizations:**

- **Built-in Compliance Rules:** Will address regulatory and legislative requirements for processing payroll in France. As Oracle France Payroll is built in the cloud, it can adapt to France's frequently changing rules as needed. It will also give payroll administrators the flexibility to configure pay rules for different collective bargaining agreements, trade union activities, and complex regulations for minimum and variable wages.
- **Robotic Process Automation:** Will help simplify payroll and data entry tasks for payroll administrators, enabling them to calculate payroll faster and more accurately. It will also help reduce errors in more complex work rules that are common in France.
- **Payroll Unified with Core HR:** Will give Oracle France Payroll complete access to workforce data within Oracle Cloud HCM to help ensure that deductions for income, social, and other tax withholdings are managed correctly. This will also help organizations easily onboard new employees and get them paid quickly.

"In France, the government and collective bargaining groups are constantly changing the laws and agreements regarding taxes and compensation in hopes of improving working conditions for employees. That can make it challenging for organizations to stay up to date on the latest processes they need to follow to pay their employees accurately and fairly," said Chris Leone, senior vice president of development, Oracle Cloud HCM. "With Oracle France Payroll, local and multinational organizations with employees in France will be able to automate payroll operations to pay their workers quickly and accurately. Frequent and automatic updates will help ensure payroll operations are always in compliance, even as laws and contracts change."

## ***Synopsys Launches the Era of Smarter SoC Design with ML-Driven Big Data Analytics Technology***

1 June 2022

Driving greater design productivity by harnessing previously untapped design insights with machine learning technology, Synopsys, Inc. announced a critical expansion of its EDA data analytics portfolio with the introduction of Synopsys DesignDash design optimization solution. As a complementary product to Synopsys' market-leading Digital Design Family and Synopsys DSO.ai™, the award-winning AI-driven design-space-optimization solution, Synopsys DesignDash is a comprehensive data-visibility and machine intelligence-guided design optimization solution that enables unmatched productivity in

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advanced SoC design. The Synopsys DesignDash solution delivers a real-time, unified, 360-degree view of all design activities for faster decision making, a deeper understanding of run-to-run, design-to-design and project-to-project trends, and enhanced collaboration in the SoC development process.

"As a leading supplier of SoCs that are powering and transforming numerous high-impact industries, we pride ourselves on being able to push the limits of achievable device performance while also accelerating our customers' time-to-market," said Hiroshi Ikeda, director, Methodology Development Office, Global Development Group at Socionext. "We're very excited by the Synopsys DesignDash analytics solution as a systematic way to capture, consume and evaluate our vast design activity in a scalable way, enabling us to share and transfer expert knowledge across our worldwide design teams to enhance productivity and efficiency."

## **Unlocking the Potential Within Vast Volumes of Digital Design Data**

The digital design flow holds a wealth of information from myriad sources that, properly utilized, could help teams optimize increasingly complex designs faster. According to Gartner® Inc., "By 2023, overall analytics adoption will increase from 35% to 50%, driven by vertical- and domain-specific augmented analytics solutions."<sup>1</sup>.

The introduction of Synopsys DesignDash is the latest step in a multi-year, multi-disciplinary development effort to address the need for exponential gains in design productivity in the face of massive growth in system complexity, shrinking market windows and an increasingly challenging resource landscape.

The cloud-optimized Synopsys DesignDash design optimization solution greatly enhances design productivity by:

- Providing extensive real-time design status through powerful visualizations and interactive dashboards.
- Deploying deep analytics and machine learning to extract and reveal actionable understanding from vast volumes of structured and unstructured EDA metrics and tool-flow data.
- Quickly classifying design trends, identifying design limitations, providing guided root-cause analysis and delivering flow consumable, prescriptive resolutions.

With deeper design insights, designers can achieve more effective debug and optimization workflows, realize improved quality of results (QoR) and significantly extend overall design- and project-flow efficiency and effectiveness. This extensive insight and real-time visibility additionally deliver comprehensive resource monitoring and tracking that spans all design activities, enabling more data-driven management and risk mitigation throughout the design process. Synopsys DesignDash is natively integrated with the Synopsys Digital Design family of products for seamless data capture, resulting in insights that further accelerate the path towards design closure. The solution complements the Synopsys SiliconDash product, part of the Synopsys Silicon Lifecycle Management Family, forming a pre-silicon to post-silicon data continuum, maximizing opportunities for valuable data analysis across the complete design-to-silicon lifecycle.

"SoC complexity across all application niches continues to rise as more functionality and performance is required," said Karl Freund, founder, and principal analyst at Cambrian-AI Research. "Through the data analytics and machine learning capabilities of the Synopsys DesignDash technology, engineering teams now have an efficient way to share and utilize valuable insights that would otherwise take hours of manual work to compile or, in some cases, not be accessible."

"The semiconductor industry needs a dramatic improvement in design process productivity. Improving

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the quality and speed of engineering decisions with a comprehensive EDA data analytics platform is a critical step in this direction," said Sanjay Bali, vice president of Marketing and Strategy for the Silicon Realization Group at Synopsys. "Synopsys DesignDash unlocks the potential of the significant and growing volumes of EDA metrics and design-flow data, heralding a new era in smarter IC design by deploying an expanse of advanced data analytics and targeted machine learning to effectively guide design teams to achieve or exceed their product goals and schedules."