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## CIMdata News

### CIMdata Publishes Global CAM Market Analysis Report

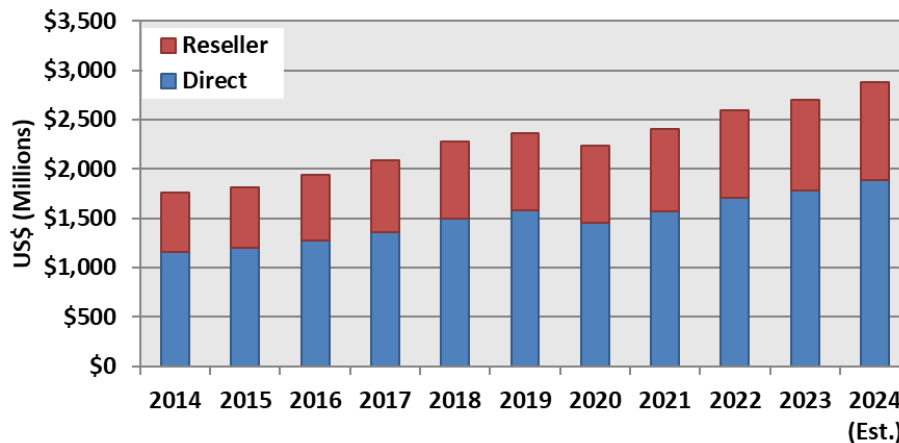
18 June 2024

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces the release of the 2024 CIMdata CAM Market Analysis Report (MAR), the 32nd annual study of the global Computer-Aided Machining (CAM) market. CIMdata estimates that based on end-user payments, the worldwide CAM software and related services market grew by 4.1% in the calendar year 2023. The estimated end-user payments grew from nearly \$2.6 billion in 2022 to just over \$2.7 billion in 2023.

According to Stan Przybylinski, CIMdata’s Vice President, “The CAM results at the end-user level grew more slowly in 2023 than in 2022. In 2023 machine tool consumption stalled after a down year in 2022. This is important because acquiring new machine tools often leads to investments in new CAM software.” CIMdata projects that in 2024 the CAM market, and the entire PLM Economy, will continue to grow. CIMdata estimates end-user payments for CAM software will increase by 6.4% to just under \$2.9 billion.

Since 2002, the CAM software market has shown modest but steady growth as global economies generally improved. There has been worldwide growth in the sale of machine tools and manufacturing output; greater emphasis has been placed on the efficient operation of machine tools as manufacturing firms have strengthened their competitive positions; and the overall PLM (Product Lifecycle Management) market, of which CAM software is a component, has continued on a strong growth path during this period. CAM software purchases are related to all of these factors—particularly machine tool sales.

The size and growth of the CAM software and related services market based on end-user payments is shown in the chart below. It can also be seen that approximately one-third of the end-user payments are reseller revenues and approximately two-thirds of the payments are made directly to software suppliers.



CAM Market Revenue History and Projection

The 2024 version of the CAM MAR is a 99-page report containing 22 charts and 39 tables of data detailing the worldwide CAM market along a number of dimensions. It also includes a discussion of trends in the CAM industry and updates on the top CAM solution providers. The 2024 CIMdata CAM Market Analysis Report is available for purchase at: <https://www.cimdata.com/en/online-store/market-analysis-reports/product/327-2024-cam-market-analysis-report>.

## *Migrating to Aras Innovator SaaS - a CIMdata Commentary*

18 June 2024

- CIMdata research shows that SaaS-based PLM is starting to transition from early adopters to early majority.
- Business value is the key driver to get companies to migrate from on-premises implementations to cloud-based SaaS solutions.
- Aras Innovator SaaS brings all the things Aras customers appreciate from Aras Innovator and adds new features and capabilities such as a full suite of native DevOps capabilities which is unique within the PLM market.
- Aras subscribers are migrating with positive experiences and strong benefits.

### Introduction

Moving enterprise software to cloud-based SaaS has been a “thing” for more than a decade. PLM has been slow to get there according to some business measures and especially in comparison to consumer software and enterprise CRM solutions. CIMdata is starting to see formal reporting in earnings calls with some of the solution providers saying that cloud revenue and adoption are starting to become material.

Migrating on-premises solutions that are the backbone of industrial product development and realization to the cloud-based SaaS is a tough problem. Extensive tailoring capabilities are required to manage the complex data and processes PLM supports. Without robust tailoring capabilities, data will end up back in spreadsheets and file shares. Cloud computing architectures are quite different from on-premises servers of old. Writing code from scratch works well for startups, but solution providers with installed bases need to be much more careful. Migrating feature-rich on-premises solutions to a cloud-native minimum viable product is not a path to high customer satisfaction ratings.

Fortunately, cloud infrastructure providers and the ecosystems associated with them have created technology and migration strategies that help on-premises solution providers rearchitect their products so they can leverage the important cloud features of easy access, redundancy, security, scalability, and simplified administration. All the mindshare leaders can run on-premises versions of their solutions in cloud-based virtual machines enabling companies to derive some cloud benefits and all have programs to migrate their flagship products to run natively in the cloud as SaaS products and are at various stages of rollout. Early adopters are having success with these SaaS versions, so adoption should start to accelerate.

## Downside of SaaS

The negative aspects of PLM SaaS are both real and perceived. CIMdata most often hears about data security as the biggest issue. We believe this is primarily a perceived risk especially when considering security holistically. The hyperscalers that host SaaS applications have robust security strategies that address software, data, infrastructure, and physical security. The SaaS application providers have best practices for their application. When a company manages its security on-premises it is only as good as budgets and staff skills can deliver.

Cost is a complex issue. Savings based on internal IT costs (data centers, personnel, etc.) only go down if those resources are eliminated. Just moving a single solution to SaaS may not have any measurable savings, especially in the short term. Offsetting the lack of cost savings are the benefits described above: simplification, accessibility, security, scalability, and redundancy.

As PLM mindshare leaders transition their solutions to SaaS, many impose stringent limitations on customization. CIMdata defines customization as software code changes that necessitate extensive testing and may require modifications for new version upgrades. The spectrum of limitations varies, from outright prohibition to detailed guidelines governing permissible customizations. Typically, legacy on-premises solutions must undergo a process of de-customization prior to their migration to cloud-based SaaS platforms. The degree of flexibility lost in this transition can be significant, depending on the specific solution. While adherence to out-of-the-box (OOTB) software simplifies the upgrade process, there are instances where customization is warranted—particularly when the advantages far exceed the associated costs, such as the ability to swiftly address a problem or seize an opportunity.

## Aras Innovator SaaS

Aras Innovator SaaS has the same capabilities as the on-premises version with improvements that leverage the cloud and provide native DevOps capabilities. An on-premises implementation can be migrated directly to the cloud-based SaaS version unmodified. From the end-user perspective there is no change in experience. This is important because it minimizes the time to value for subscribers who chose to migrate.

In addition to the on-premises capabilities, Aras Innovator SaaS includes the Aras DevOps capability. DevOps is an optional product for on-premises implementations but is included with the SaaS version. It enables developers to leverage the same continuous integration/continuous deployment (CI/CD) pipeline that Aras uses. CI/CD pipelines are often built using best-of-breed tools and can require significant resources to keep them operational. Aras delivers it out-of-the box, enabling developers to streamline and improve quality of their configuration process. DevOps also includes test automation capabilities so developers can incorporate test scripts to automatically validate the low code configuration avoiding manual regression testing.

Additionally, Aras Innovator SaaS runs on Microsoft's Azure cloud infrastructure and fully leverages Azure DevOps and Telemetry simplifying administration and monitoring of the underlying cloud platform. While cloud vs. on-premises security can provoke heated discussions, for most companies, ensuring that the underlying operating system and

infrastructure configurations are properly set up and maintained is an improvement and the physical security and threat monitoring will be more robust on Azure.

Migrating from on-premises to cloud-based SaaS takes time because there are activities required to ensure smooth migration and production options. Migrating an on-premises instance of Aras Innovator to Aras Innovator SaaS has a typical duration of 45 to 90 days. Aras has a certified, disciplined, traceable, repeatable, and proven process to do this which includes steps such as security review, implementation planning, infrastructure provisioning, and multiple testing stages before going live. To support go-live and production, migration services also include a formal onboarding process, experienced support personnel, and change management.

In addition to low code configurability, Aras still performs upgrades no matter how much configuration was done just like they have done for on-premises clients for more than two decades. This long history of upgrading all manner of customer data and tailorings gives Aras subscribers confidence in cloud upgrades. Having the data within the Aras cloud and employing the DevOps process makes upgrades easier, faster, and more reliable. It's a win-win for Aras and their subscribers.

Aras has been a Microsoft Gold Certified Independent Software Vendor (ISV) for many years and Aras Innovator SaaS is available in the Microsoft Azure marketplace. One of the benefits of the partnership is customers can incorporate their subscription costs into their Microsoft Azure Consumption Commitment (MACC). As companies migrate to Microsoft's Azure products such as Office 365, bundling services can improve discount levels.

#### Customer Example

At the recent Aras ACE 2024 event, Mr. Rasool Norman, Enterprise Solution Lead and Product Owner, from Svante, a leading carbon capture and removal solution from Burnaby BC, Canada, delivered an overview of Svante's migration from on-premises to Aras Innovator SaaS. Mr. Norman confirmed Aras' claims about the ease of migrating Aras Innovator to the cloud. The migration was complex but only in the ways that all IT migration projects are. Svante had a good project plan and a successful migration. From the user perspective there was no difference between on-premises and cloud-based SaaS. Svante's public presentation is an important data point for companies not wanting to go first.

#### Conclusion

SaaS is an important topic in PLM because there are tangible business benefits. Most solution providers are moving their products to SaaS and expect customers to eventually migrate. Early adopters and new customers are choosing cloud-based SaaS. Legacy on-premises customers are slow to migrate due to real and perceived risks and need to be confident that expected business value will be achieved.

Aras Innovator SaaS brings all the capabilities and benefits Aras customers have enjoyed from Aras Innovator and adds new features and capabilities that further streamlines the CI/CD process. A robust migration work plan, DevOps capability, proven upgrade process, and experienced support enable a smooth migration and robust operation after go-live. Aras

customers that are considering a move to the cloud should contact Aras to develop their SaaS migration plan.

## *Mobility Experiences Are Going Through a High-Tech Revolution – a CIMdata Commentary*

19 June 2024

### Key Takeaways

- Engineering becomes comprehensive when it learns from contextual experiences, earning the needed trust for frequent mobility product upgrades.
- Mechanical, electrical, electronic, and software engineers need to see what their changes will affect in the product and within the ecosystems in which they operate.
- Virtual engineering ecosystems should keep regulations and safety standards visible assuring compliance throughout the complete lifecycle—from ideation through trade studies, to delivery, and use by the customer.
- Enormous product and service complexity needs vertical integration of multi-scale systems: from chips and battery; to connected objects including cars and phones; up to city infrastructure such as telecom network, data centers, and car charging grid. All are key enablers of new mobility experiences. The ability to manage mobility systems of systems is key.
- Dassault Systèmes' **3DEXPERIENCE** platform includes capabilities for mobility systems modeling using virtual twins from the start and throughout a product's lifecycle. This fosters multi-discipline collaboration, improving earlier design decisions.

### Introduction

How can OEMs deliver trustworthy and compliant mobility systems that function effectively in the widest possible range of conditions? There are many elements making the mobility experience safer and easier for the customer. With connected vehicles exchanging and learning from each other within a city's and suburban's environments, many systems (from each vehicle, to the communications grid, to traffic monitoring and weather databases, to traffic incident monitoring) are cooperating, providing real-time insights and guidance to vehicles in motion. Engineering future mobility experiences is more than the engineering of the vehicle itself. OEMs need to simulate the technologies that will be embedded within their vehicle to provide the experiences their customers want. Simulation must expand to handle the complexity of experiences when operating the latest advanced driver assisted system (ADAS) features or an AV in a connected, monitored, managed ecosystem (see Figure 1). And, of course, this ecosystem likely will differ by community, region, country, and topology.[\[1\]](#)



Figure 1—Expanding Experiences Driven By Emerging Technologies  
 (Courtesy of Dassault Systèmes)

A systematic approach when developing and validating the functionality and safety of mobility systems as they evolve is essential to remain competitive. Deploying new features to existing products requires full confidence of engineering. Confidence grows when using a virtual engineering ecosystem to comprehensively evaluate actual usage patterns (aka experiences). Google, Sony, Huawei, and many other connection and entertainment platforms are becoming integral within vehicles. The intelligence behind these services is in external, network connected clouds. With their skills and resources, some of these Consumer Electronics companies have already become mobility players, some are even OEMs, redefining the mobility experience for consumers as part of their overall connected lifestyle experience. The ease of seamless and reliable software upgrades, a combination of on-board capabilities coordinated with cloud applications, services, and databases, will keep the safety, entertainment, and connections interfaces in a single, seamless user experience.

This commentary explores these challenges and explains why mobility engineering needs powerful engineering solutions to meet customer desires while system performance evolutions and in-the-field upgrades proceed. Historic vehicle development methods and processes are too slow. Systems are becoming broader than single vehicles. This system expansion drives new development and validation cycles that are continuous, even occurring during product use, well after mass production. Virtual feature exploration driven by systems engineering and accurate behavioral modeling must be embraced to keep up with speed of innovation. Mobility is an emerging and fast evolving industry with new value networks derived from combinations among consumer electronics, mobility, energy, and infrastructures delivering new, innovative solutions.

Virtual Multi-Discipline Engineering Accelerates Feature Ideation

Dassault Systèmes has identified six points that illustrate the breadth of the 3DEXPERIENCE platform’s capabilities including:

1. Product Line Engineering driven by model-based systems engineering (MBSE)
2. Requirements and MBSE-centric approach
3. Software engineering and development
4. Continuous simulation and integration
5. Integrated downstream disciplines engineering
6. End-to-End traceability (for compliance and regulations)

Each of these six items are crucial in the development of mobility systems of systems. Concurrent development and operational processes identify the need for interactive collaboration. Enabling and encouraging the different engineering disciplines, from mechanical to electrical to electronic and software, to work collaboratively drives the need for a development environment where each discipline can see and query other disciplines' work as engineering proceeds. Keeping requirements, both desired and mandated by regulations, visible in the context of the evolving designs, speeds the process. Modern development practices rely on lots of simulation. Simulations at architectural and multi-physics level faithfully model experiences. Influences from use and operation drive the desire for upgrades and discovery—How are customers using mobility products and services? MBSE must evolve to manage these growing business needs.

#### Example 1—Chips to Digital Infrastructure

Consider what happens inside the chips within a product when communicating with the digital infrastructure where a mobility product operates. There is a merger of consumer electronics and mobility systems that support integrated systems from embedded computers, aka microchips, to connected devices (cars and cell phones and tablets), to infrastructure. These must integrate and deliver consistent services and consumer experiences, seamlessly. The **3DEXPERIENCE** platform for engineering products during their use, and being upgraded often, has grown over the past decade into a development and operational environment for mobility products enabling better and better mobility experiences.

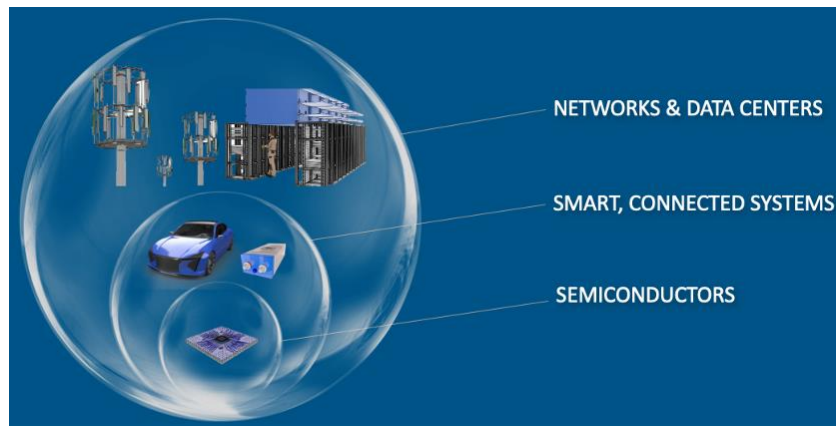


Figure 2—Expanding Experiences Driven By Emerging Technologies  
 (Courtesy of Dassault Systèmes)

Figure 2 shows spheres of high-tech systems which co-exist, cooperate, and encapsulate broad systems with many individual semiconductors. Software in all these domains implements algorithms within the computer systems and networks to yield a single desired experience.

The need for rapid adoption of advancements like 5G, AI, AR/VR, and cloud solutions is a must to stay ahead of the game on rapidly moving markets. As global demand, political climates, and value chain dynamics shift unpredictably, enterprises must exhibit unprecedented agility. Virtual twin technologies are required to model and simulate mobility experiences that are delivered by systems of systems—from chips to digital infrastructures.

Our world is evolving, with new business paradigms emerging from the desire to use rather than own, evolution to circular economies, and orchestrated digital services reshaping the landscape. Virtual twin technology empowers innovation by bringing visionary precision to digital strategies and operations.

Dassault Systèmes delivers functional virtual twin technologies to enable breakthroughs across the board—from mastering complex chip and connected systems engineering, to delivering scalable, high-performance networks and digital services for both consumers and enterprises.

Dassault Systèmes summarizes the power of virtual twins at every level of connected mobility systems in Figure 3.



Figure 3—Mobility Experiences Rely On Expanding Cooperating Domains  
 (Courtesy of Dassault Systèmes)

It is the ability to simulate and explore how systems interoperate as they evolve which is now needed for mobility engineering. Software and electronics are everywhere and require configuration management and release coordination across systems. It is likely the development of these systems spans OEMs and the environments where mobility products operate. Different locations may well have different capability levels which then will affect the degree of autonomous operation that can be supported. Mobility engineering must comprehend and accommodate these potential overlapping domains.

Example 2—Software Defined Vehicle

Mobility products operating within transportation systems (roads, cities, traffic management, etc.) are always learning new experiences that provide new scenarios for ongoing feature enhancements whose impacts are broader than just the vehicles. It is the high-tech enablement of power computing and software with machine learning and upgrade adaptability that yields a Software-Defined Vehicle (SDV). SDVs can provide OEMs with new lifecycle revenue sources, just like applications on a cell phone. The connectivity and ease of information access make the mobility experience better, e.g., less wasted time stuck in traffic. The target is to maximize the possibility of mobility systems changes during the ownership of a vehicle, well after its mass production.

The competitive benefits of having virtual engineering techniques and processes that allow grading candidate features implemented in alternative ways without expensive physical prototypes is obvious, assuming simulations and models are trusted. Virtual engineering’s promise is that systems algorithmic development has fewer and fewer physical prototype learning cycles as virtual builds and performance assessments become more trusted, accelerating product development and improving safety compliance. Trust comes from experience driving model correlation, aka model learning. Refined models reflect the latest field experience measurements. These more accurate models create an environment where new ideas can be assessed faster.



*Figure 4—Traceability Challenges  
 (Courtesy of Dassault Systèmes)*

What is needed is to assure compliance through comprehensive traceability at the start by keeping safety awareness and compliance visible (see Figure 4). Meeting all the requirements, standards, and performance objectives as mobility products and services design evolves is needed by the OEMs. Trusted systems models that evolve as experiential knowledge is discovered makes engineering more responsive to the market and changing operating requirements. Robust, compliant products with reliable upgrades are becoming the hallmark for great companies, keeping customer safety and satisfaction in the forefront. Making requirements traceable while assessing the mobility systems’ ability to meet them is essential. Advances in computing power and databases continue to make virtual engineering more and more affordable and faster—making collaborative mobility engineering possible. Balancing priorities as new ideas are refined into realistic mobility features is needed as early as possible to both optimize the design and establish trust in that design. This massive number of user experiences needs to be managed. This is a key solution capability that enables mobility OEMs to remain competitive as consumer demands evolve.

The **3DEXPERIENCE** platform enables better early trade studies correlated to the latest product use. Dassault Systèmes has built functioning prototypes by collaborating with embedded electronics controls system leader Bosch and the leading in-vehicle electronics instrumentation leader, ETAS, to perfect their virtual engineering offerings supporting mobility controls systems development. Mobility developers should evaluate this prototype by asking Dassault Systèmes for a demonstration.

### Conclusion

Multi-discipline engineering is best done collaboratively. The **3DEXPERIENCE** platform enables collaboration by providing data integration and synchronization across multi-discipline modelling, and data intelligence applications. These capabilities can help drive fast-paced mobility features development and optimization. Earlier, comprehensive engineering that learns from consumer experiences establishes the needed trust for digital mobility solutions and their frequent upgrades. Systems engineering using broader simulations of the complete ecosystems as they evolve is needed for competitive collaboration. The OEMs and cities which master these virtual twin tools and methods will be the leaders in the mobility experiences marketplace. Keeping and building trust with customers and across connected mobility systems is crucial.

Keeping safety requirements and regulations visible from inception through production enables the ability to perform continuous safety assessments. Safety awareness from the start keeps new mobility features viable within the product's capabilities and the city ecosystems in which they operate.

Dassault Systèmes' **3DEXPERIENCE** platform supports the complete mobility lifecycle across all systems noted in Figure 2. Dassault Systèmes has capabilities that support the continuous nature of learning from experiences and adjusting features whenever needed. Experiences management combined with interactive requirements coverage made contextually visible within the 3D product mockup enables faster learning and thus faster engineering. The experiences database expands as new data comes from usage in the physical world. New, measured data augments the original assumptions, often leading to new insights based on coupled physics. Being able to expand simulation of these new phenomena builds trust in the predictive performance models. Compliance, through comprehensive requirements traceability, is always visible. The value this provides OEMs is clear—optimized products that meet and possibly anticipate mobility market desires.

CIMdata encourages prospective customers to ask Dassault Systèmes for the same overview CIMdata saw to show how their solution addresses all six points that illustrate the breadth of the **3DEXPERIENCE** platform. Keeping and building trust with customers is crucial for mobility developers, wherever they are in the chip to networks ecosystems.

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[1] Research for this paper was partially funded by Dassault Systèmes.

## Acquisitions

### *Accenture Announces Intent to Acquire Fibermind to Strengthen Fiber and Mobile 5G Network Services*

19 June 2024

Accenture has agreed to acquire Fibermind, an Italy-based network services company, specializing in fiber and mobile 5G networks deployment, as well as infrastructure engineering services. The acquisition will strengthen Accenture's capabilities in the domain and extend network services to clients across multiple industries, including telecommunications, utilities, and transportation.

Headquartered in Rovigo, Italy, with operations throughout the country, Fibermind has more than 20 years of experience serving public and private sector clients, a strong partner ecosystem and long-standing relationships with national authorities and municipalities. Fibermind also has well-established client relationships with Italy's major mobile and fiber network operators.

"The acquisition of Fibermind reaffirms Accenture's commitment to continuously invest in strategic acquisitions that support and accelerate our clients' transformations across key industry sectors in Italy," said Mauro Macchi, president and CEO of Accenture in Italy. "As a result of the acquisition, we will expand our capabilities to offer end-to-end network engineering services, delivering higher quality, greater innovation, and more rigorous cost management to our clients."

Fibermind will bring more than 400 highly qualified professionals to Accenture Operations, with expertise spanning network design, permits management, technical office and local directive project management office (PMO) work, network acceptance testing, network documentation and home connection.

"This acquisition will significantly strengthen our expertise in the telecommunications network engineering services, boosting our growth in a strategic sector for the country," said Roberto Pagella, who leads Accenture Operations in Italy. "The synergies with Fibermind will allow us to create a center of excellence in engineering services where technology and data enhance and amplify human skills and knowledge."

Together, Accenture and Fibermind will offer clients network engineering capabilities, deep industry knowledge, and technology assets powered by automation, robotics, data and AI.

"We welcome the opportunity to grow by joining Accenture and become part of its global network. The combination of our expertise and capabilities represents an important opportunity for us to strengthen our leadership in Italy and to expand outside the country," said Andrea Targa, general manager, Fibermind. "Four years ago, we started on a path with our parent company, Maticmind, to excel at ICT and to focus on enabling digital transformation for our clients. Accenture shares this commitment to clients and innovation, so together we'll enable speed and quality in delivering engineering services."

The acquisition complements previous Accenture acquisitions in Europe, including Arca, AFD.TECH and umlaut, aimed at building the company's infrastructure engineering scale and capability for 5G and fiber in the region.

Terms of the transaction were not disclosed. Completion of the acquisition is subject to customary closing conditions, including required antitrust clearances.

### *Hexagon acquires Voyansi to enhance its BIM solutions portfolio*

18 June 2024

Hexagon, the global leader in digital reality solutions, combining sensor, software and autonomous technologies, announced the acquisition of Voyansi, an AECO (architecture, engineering, construction and operations) focused provider of BIM (Building Information Modelling) and VDC (Virtual Design and Construction) solutions, reality capture services and BIM workflow software development.

Voyansi's services are used to digitise all asset types, including data centres, hospitals, industrial facilities and shopping centres, across the design, build and operate phases of their lifecycles. Their solutions complement Hexagon's leadership in reality capture and AECO solutions, by adding BIM support to enable advanced 3D modelling and improve data accuracy.

This acquisition builds on our strategy within Hexagon's Geosystems division to accelerate the digitisation of the construction industry," said Paolo Guglielmini, President and CEO, Hexagon. "The addition of Voyansi to our advanced portfolio of AECO solutions will help our customers further enhance sustainability, efficiency and collaboration during construction and enhance their effectiveness in operating and maintaining assets".

In 2023, Voyansi generated revenues of around €14m, with a rapidly growing recurring revenue base, and has operating margins similar to the Geosystems division. Voyansi employs approximately 300 people across Argentina, the United States and Spain and will be fully consolidated in June.

## Company News

### *Altair and KITECH Collaborate to Build Advanced Digital Transformation Cloud Platforms for Small- and Medium-Sized Businesses*

12 June 2024

Altair, a global leader in computational intelligence, and the National Engineering Center of the Korea Institute of Industrial Technology (KITECH) have established the "Engineering Software Cloud Platform," achieving significant results in accelerating the digital transformation of small and medium-sized businesses (SMBs). The Engineering Software Cloud Platform allows companies to remotely utilize high-performance computing (HPC) resources, reducing design time and enhancing analysis capabilities.

The Engineering Software Cloud Platform offers easy access to HPC resources, giving SMBs the power to more efficiently address various technical challenges and research institutions the ability to accelerate their R&D efforts. The platform – accessible via the web anytime and anywhere – also includes design and analysis engineering software for structural analysis, fluid analysis, injection molding, particle analysis, forging analysis, and building information modeling (BIM) for architecture, civil engineering, plant, and manufacturing engineering companies.

“We are proud to collaborate with KITECH as together we seek to improve the research and development efforts for domestic SMBs and research institutions,” said Doha Kim, country manager, Altair Korea. “Offering HPC resources and best-in-class engineering software will help these organizations significantly accelerate their pace of innovation.”

“The collaboration with Altair focuses not only on technological advancements but also on lowering the economic and technical barriers SMBs and research institutions face,” said Seongho Lee, director of the National Engineering Center, KITECH. “We believe these innovations will accelerate digital transformation by enhancing technical capabilities in organizations’ planning and design efforts.”

Furthermore, the platform optimizes resource utilization and ensures high availability with a queuing system. By utilizing this cloud-based environment, KITECH’s National Engineering Center help SMBs reduce infrastructure investment and maintenance costs associated with purchasing and installing software. SMBs will also be able to shorten product and process design times and reduce costs through enhanced design and analysis capabilities.

### *Altair Establishes New Office in Dubai, United Arab Emirates*

12 June 2024

Altair, a global leader in computational intelligence, has established a new location in Dubai, United Arab Emirates. The new location in one of Dubai’s free-trade zones expands Altair’s global presence and bolsters operations within the broader Gulf Cooperation Council (GCC) region.

“This new office will help us better address our GCC customers’ business requirements,” said Vishwanath Rao, managing director, Altair India-GCC-ANZ. “The GCC technology landscape is rapidly evolving with large-scale investments in automotive, banking, defense and many other industries. By virtue of having an office in this region, we intend to bring our global expertise to businesses in the GCC region. We are excited to closely collaborate with our customers to deploy our simulation, high-performance computing (HPC), and data analytics portfolio to help our customers build next-gen products and solutions.”

The new office located at Dubai World Trade Centre, The Offices C1, 201, Regus Business Center, One Central District, will support Altair customers in all industries, particularly those in automotive, defense, energy, manufacturing, and more.

## *Aspen Technology Educates Next Generation of Engineers on Sustainability Competencies*

18 June 2024

Aspen Technology, Inc., a global leader in industrial software, announced a three-year partnership agreement with Oregon State University (OSU) that expands traditional academic collaborations focused on incorporating process simulation solutions into curricula by adding sustainability software, training and competency development. The partnership aims to help students build industry-ready skills and knowledge to make an accelerated impact on critical sustainability initiatives upon entering the workforce.

“Generational workforce changes have made it more important than ever to quickly and effectively prepare new engineers with the skillsets required to successfully enter the workforce and help companies innovate and tackle the challenges associated with net-zero ambitions,” said Steven Qi, SVP, Customer Support & Training, AspenTech.

“Over the next three years, hundreds of our students and faculty will learn new digital competencies that we expect to have a direct impact on global sustainability efforts,” said Chih-hung (Alex) Chang, PhD, Stephen Slavens Faculty Scholar, Professor & Associate Head of Undergraduate Programs, School of Chemical, Biological and Environmental Engineering, OSU. “Navigating the energy transition has become an urgent priority, and we’re thrilled to collaborate with AspenTech on empowering the next generation of engineering talent with the skillsets needed to help solve this massive undertaking.”

The collaboration between AspenTech and OSU is one of many AspenTech initiatives designed to help students expand their engineering and sustainability skills. Among other international universities, King Fahd University of Petroleum and Minerals (KFUPM) in Dhahran, Saudi Arabia, partnered with AspenTech on technical training and curriculum content development based on its solutions. Over 1,300 universities in more than 80 countries utilize AspenTech software in their coursework.

In addition, approximately 3,700 individuals at customer and partner organizations have completed AspenTech’s Sustainability Training Program. The program is helping to close the industry skill gap by expanding users’ expertise on how to accelerate progress on critical sustainability pathways with digital technology.

## *Brad Kreger Formally Appointed as Permanent Chief Executive Officer at Velo3D*

17 June 2024

Velo3D, Inc., a leading additive manufacturing technology company for mission-critical metal parts, announced that its Board of Directors has formally appointed Brad Kreger, who has been serving as the company’s Interim Chief Executive Officer since December 2023, as the company’s permanent Chief Executive Officer. The Board of Directors cited the success of Velo3D’s re-alignment initiatives under Mr. Kreger as well as his implementation of strategic initiatives that have resulted in business momentum over the last 6 months.

“I am pleased to announce the Board has appointed Mr. Kreger as permanent Chief Executive Officer,” said Carl Bass, Chairman of the Board of Velo3D. “Under Mr. Kreger’s leadership, the company has executed on its re-alignment initiatives, materially reduced its cost structure and improved overall operating efficiency. At the same time, his customer-first go-to-market strategy has resulted in an acceleration of orders from both new and existing customer, reflecting confidence in the company’s technology as well as in its initiatives to improve customer satisfaction. We firmly believe Mr. Kreger has the right qualities and experience to position Velo3D for future success.”

Key highlights related to the company’s strategic initiatives (as of March 31, 2024) are as follows:

- Ensuring customer success / system reliability – resolved 100% of high priority tickets in the first quarter of 2024
- Increased revenue 1H24 visibility through bookings growth – \$27 million in new orders booked since mid-December, with approximately 50% of orders from existing customers
- Improved Sapphire printer quality – reduced system installation time by >40% over the last 6 months
- Improved cash flow – successfully reduced year over year operating expenses by 30%, expect sequential quarterly improvement in operating cash flow for FY 2024

“I would like to thank the Board for their confidence in me, and I remain very excited about our opportunity in additive manufacturing that is transforming key industries, like defense, aerospace, and energy,” said Kreger. “Overall, I am very pleased with our strategic execution so far this year. We are successfully rebuilding our backlog and pipeline as we booked \$27 million in new orders from mid-December 2023 through the first quarter of 2024, with \$22 million of backlog going into the second quarter of 2024. I am especially encouraged by our increasing opportunities in the defense sector as we are the only U.S. based AM manufacturer that can meet the high quality and complexity requirements of this industry. Also, our efforts to improve system reliability are paying off as we are seeing increased orders from existing customers as well as continuing to execute on our cost realignment programs to improve margins and cash flow. We firmly believe we are well positioned to profitably capitalize on the increasing industry demand for leading-edge additive manufacturing solutions.”

### *CENIT AG: Premature contract renewal of CEO Peter Schneck*

19 June 2024

**The Supervisory Board today approved the premature extension of Peter Schneck’s contract. The Management Board contract, originally concluded for three years, has now been extended for a period of five years until 17 October 2029.**

Peter Schneck joined CENIT AG as a member of the Management Board on 18 October 2021 and was appointed CEO on 1 January 2022.

## *Dassault Systèmes Announces Sabine Scheunert as Managing Director, EUROCENTRAL*

17 June 2024

Dassault Systèmes announced the appointment of Sabine Scheunert as Managing Director, EUROCENTRAL. In this role, Scheunert will drive the implementation of Dassault Systèmes' corporate strategy across Austria, the Czech Republic, Germany, Hungary, Poland, Slovakia, Slovenia and Switzerland, focusing on strengthening business relationships and expanding the company's footprint in the manufacturing, life sciences and healthcare, and infrastructure and cities sectors. She succeeds Dominic Kurtaz, who will take on new global opportunities within the company.

"Sabine brings a unique blend of business acumen, strategic vision, and leadership skills essential for driving our EUROCENTRAL business, developing our workforce, and growing our partner ecosystem," said Olivier Ribet, Executive Vice President, EMEA, Dassault Systèmes. "I would also like to thank Dominic for his transformative leadership over the past four years. His experience will be invaluable in his new global role."

Scheunert is a recognized leader with extensive international experience. Before joining Dassault Systèmes, she served as Vice President, Digital and IT Sales and Marketing at Mercedes-Benz in Germany. Her career began at the BMW Group, progressing to General Manager Marketing of Central Eastern Europe. Following this, she held the roles of Chief Customer Officer at PSA Group, Director of the Citroën Brand in China, and Vice Managing Director of the DongFeng Motors - Citroën joint venture in China, where she became the first female CEO of an automotive company in the country.

Scheunert has a mathematical educational background and holds a degree in European corporate management from Fachhochschule der Wirtschaft (FHDW) in Germany. She also completed an Advanced Strategy program at Harvard Business School. Besides her corporate roles, she serves on supervisory boards for Messer SE in Germany and Planet First Partners in the UK. She is a passionate advocate and role-model for women in STEM and IT.

## *Digital Twin Consortium Welcomes Sev1Tech as a Contributing Member*

12 June 2024

The Digital Twin Consortium® (DTC™) announced that Sev1Tech, a leading provider of information technology, engineering, and mission support services for government and commercial entities, has joined the Consortium. Sev1Tech joined the DTC to collaborate on research, testing, and standards for digital twins, digital threads, MBSE, AI/ML, and the intersection of the technologies. In addition, Greg Porter, Principal Solutions Architect at Sev1Tech, will join the DTC Steering Committee.

"We're excited to have Sev1Tech's Greg Porter join the DTC Steering Committee and to the guidance he will offer, based on his extensive experience working with the government and private sector on digital twins and related technologies," said Dan Isaacs, DTC's GM and CTO. "Sev1Tech's move to the Steering Committee level continues their strong commitment to

bringing forward their leadership and innovation. Their practical expertise and combination of Digital Twins, Reality Capture, and AI knowledge with their multi-agent approach, as presented at prior Quarterly member meetings, proves to be a valuable addition to DTC working groups, advancing the level of work product.”

“Our new Digital Twin Platform Solution represents a significant leap forward in harnessing the power of data to drive innovation and efficiency. By providing a comprehensive, real-time digital replica of physical assets, we empower our clients to optimize operations, reduce costs, and enhance decision-making processes,” said Greg Porter. “By being part of the Digital Twin Consortium for this groundbreaking technology reflects our commitment to delivering cutting-edge solutions that meet the evolving needs of our customers in a rapidly changing digital landscape.”

At Sev1Tech, Greg sets strategies and builds technologies around Artificial Intelligence, Machine Learning, Data Engineering, Digital Threads, and Digital Twins. He has spent the last decade assisting clients across many different government and commercial entities in designing and implementing these technologies. For the past two years, Greg worked with NASA on the creation of the Industrial Metaverse, a dynamic twin-of-twins platform capable of incorporating all of NASA’s campuses and manufacturing into a single digital domain.

Sev1Tech is a trusted IT consulting firm dedicated to transforming and securing critical missions for U.S. government agencies and major commercial organizations in classified and unclassified environments. We specialize in IT modernization, cybersecurity, cloud services, network solutions and engineering and manufacturing support.

Sev1Tech supports a wide range of government missions, including those for the Air Force, Space Force, Army, Navy, NASA, Department of Health and Human Services (HHS), Department of Homeland Security (DHS), and other Department of Defense (DoD) and commercial aerospace.

With a strong emphasis on corporate responsibility and service excellence, the Sev1Tech team of experts ensure innovative solutions are delivered to their customers.

### *HCLTech expands US footprint with new offices in New Jersey and California*

20 June 2024

HCLTech, a leading global technology company, announced the opening of new offices in East Brunswick, New Jersey and Santa Clara, California, further strengthening its footprint in North America.

The company celebrated the office launch in New Jersey with a traditional Indian ceremony, a community service activity with employees and a grand opening party with clients and partners. The Santa Clara office will officially open in mid-August.

Situated at prime business hubs on the NJ Turnpike and California Highway 237 respectively, the facilities are outfitted with state-of-the-art technology spaces to foster collaboration, creativity and culture for its people, while bringing services and innovation closer to clients and ecosystem partners.

According to Chief Marketing Officer Jill Kouri, “The offices will offer all of the post-COVID features of modern workspaces that will encourage our people to want to work from the office. Both locations will feature HCLTech’s Customer Experience Center (CEC) showcasing the best of company’s innovations and capabilities, including our immensely popular AI and Cloud Native Labs.”

“The inauguration of HCLTech's East Coast headquarters in New Jersey is a testament to our 2019 economic mission to India," said Governor Phil Murphy. “We’re thrilled that it has resulted in the expansion of their New Jersey footprint, underscoring the growing preference innovative enterprises have for making New Jersey home to their strategic hubs. With its cutting-edge office now established in our state's nucleus, this fast-growing tech trailblazer, specializing in GenAI, Cloud, and other emerging technologies, will undoubtedly make significant contributions to, and reap rewards from, our dynamic innovation ecosystem and the AI moonshot we have launched.”

With the addition of the two new offices, HCLTech now has ten offices, 26 delivery centers and seven labs across North America. The company has over 23,000 people in North America and is ranked a number one employer in North America by the Top Employer Institute.

These new offices reinforce HCLTech's global delivery network and complement its existing presence in North America, with other key locations in Dallas, Seattle, Raleigh-Durham, Toronto and Vancouver.

### *Hexagon announces fourth annual customer awards to be presented at regional 'Make Data Make Sense' Series events*

18 June 2024

Hexagon’s Asset Lifecycle Intelligence division announced the recipients of the fourth annual Hexagon Elite Awards presented to customers who are champions of progress and innovation using the company’s solutions.

This year’s Elite Award winners are being recognized at 10 regional **Hexagon LIVE 2024 “Make Data Make Sense Series”** conferences, starting with the kickoff event in Grapevine, Texas, this week. These events are designed for customers and prospects to exchange ideas about projects and future strategies. Each event also provides an opportunity to see innovative Hexagon solutions live and connect with the Hexagon team.

Other “Make Data Make Sense Series” events are planned this year in Spain, India, Australia, Indonesia, Japan, South Korea, Thailand, the Philippines and Italy.

The Hexagon Elite Awards annually recognize Asset Lifecycle Intelligence division customers aligned with the **Smart Digital Reality™**, a unified, role-based, real-time view of the physical and digital realities across a project and asset portfolio. It is powered by the Digital Backbone, Hexagon’s engine for interoperability, intelligence and innovation that connects data across the entire industrial asset lifecycle, enabling users to achieve more digital twins, third-party software and legacy systems.

“This year’s submissions, all meticulously created using Hexagon’s software suite, deserve this type of global recognition,” said David Cryer, Senior Vice President & Chief Marketing Officer, Hexagon’s Asset Lifecycle Intelligence division. “We continue to be pleased by the growing worldwide interest and heightened standards evident in the Hexagon Elite Awards. It’s our honor to acknowledge all these winners.”

Submissions were judged on the following criteria:

- Project details (size, scope, etc.)
- Project/overall challenges and complexities a company faced
- Advantages of using Hexagon solutions
- Benefits that came from using Hexagon solutions
- Problems that were avoided or eliminated by using Hexagon solutions
- Why a company’s achievements are unique; what aspects of the project take the use of Hexagon tools beyond what is in the user manual?
- How have Hexagon solutions enabled users to become champions of change within their company?

The 2024 Elite Award recipients are:

- **Best in Planning** recognizes customers using Hexagon solutions to:
  - Seamlessly integrate data across portfolios, projects, assets and disciplines to optimize project selection, design, resourcing and profitability
  - Generate clear conceptual designs to increase efficiency and accuracy during detailed design and engineering
  - Accurately define scope, budget and schedule for project and event design and execution

**1st Place:** *Wilson Engineering*

**2nd Place:** *Aker BP*

- **Best in Design** recognizes customers using Hexagon solutions to:
  - Leverage planning data from diverse sources to streamline design and engineering for more intelligent and consistent plans and models
  - Dramatically enhance flexibility, interoperability and collaboration to maximize design accuracy
  - Improve the quality and safety of engineering with interoperability between planning, design and analysis

*\* Hexagon received a record number of submissions in this category and decided to recognize four total winners.*

**1st Place:** Fluor

**2nd Place:** Hyundai Engineering Co. Ltd

**3rd Place:** Petrobras

**4th Place:** Shanghai Nuclear Engineering Research & Design Institute Co., LTD.

- **Best in Execution** recognizes customers using Hexagon solutions to:
  - Leverage the Digital Backbone and design data to efficiently procure, fabricate, construct and commission projects, improving execution time, quality, productivity and cost
  - Reduce project rework and waste by better estimating, forecasting, collaborating and tracking of materials and costs
  - Minimize risks associated with design and field changes, schedule or delivery delays, worker safety and more

**1st Place:** Hoffman Construction Company

**2nd Place:** Deloitte Australia

**3rd Place:** Rozelle Interchange

- **Best in Operations** recognizes customers using Hexagon solutions to:
  - Leverage engineering and operations data to deliver more efficient, productive assets while ensuring regulatory compliance and managing EHS risk
  - Share asset data across departments and stakeholders to improve collaboration, productivity and operational excellence
  - Create a unified view of all operational data for more informed, real-time decision-making

**1st Place:** CGI

**2nd Place:** Koch Ag & Energy Services, LLC

**3rd Place:** SOCAR Downstream

- **Best in Maintenance** recognizes customers using Hexagon solutions to:
  - Move from reactive to predictive maintenance to improve asset performance, productivity and profitability
  - Improve maintenance process efficiency, standardization and human safety
  - Reduce waste by improving asset energy usage and extending asset life

**1st Place:** USG

**2nd Place:** SBS Transit Ltd

**3rd Place:** Vopak

Hexagon’s judges also selected regional innovation award winners along with the inaugural Smart Digital Reality Award:

- **The Smart Digital Reality Award** recognizes a customer using Hexagon solutions to create a Digital Backbone to accelerate data velocity across the asset lifecycle to enable improved collaboration and smarter decision-making that increases productivity, operational integrity and sustainability of industrial facilities.

**1st Place:** *Ecopetrol*

Regional Innovator Awards recognize innovative customers using Hexagon solutions to make data-driven decisions, to transform and automate key processes or to contribute to a more sustainable planet.

- **Americas Innovator Award:**  
**1st Place:** *Ecopetrol*
- **APAC Innovator Award:**  
**1st Place:** *Toyo Engineering Corporation*
- **EMIA Innovator Award:**  
**1st Place:** *SOCAR*
- **Greater China Innovator Award:**  
**1st Place:** *Digital Engineering Dept., Shanghai Waigaoqiao Shipbuilding Co., Ltd*

Winners in each category receive an engraved award and a regional Hexagon LIVE “Make Data Make Sense Series” pass for 2024 or a complimentary pass to Hexagon LIVE Global in Las Vegas June 16-19, 2025.

## *Keysight and SmartViser Enable Testing for EU Energy Efficiency Index Labeling Regulation*

11 June 2024

Keysight Technologies, Inc. and SmartViser have teamed up to provide device makers with a solution to test the Energy Efficiency Index (EEI) of smartphones and tablets to meet the European Union’s energy labeling mandate. With this joint solution, the SmartViser viSer test automation software for mobile devices can be used with any configuration of the Keysight UXM 5G Wireless Test Platform.

Under the Delegated Regulation (EU) 2023/1669, all smartphones and tablets sold in the EU after June 20, 2025, must have an EEI label. In order to meet this EU requirement, manufacturers must test these devices using the procedures described in the regulation to determine their battery consumption index. However, device makers need a plug-and-play EEI testing solution that works with their existing test setups.

To meet this need, Keysight and SmartViser have verified the integration of the two platforms to enable UXM 5G Wireless Test Platform users to use the viSer software to run automated test to thoroughly evaluate the battery consumption performance of a device.

The Keysight UXM 5G wireless test solution is a highly-integrated signaling test platform with multiformat stack support, rich processing power, and abundant radio frequency (RF)

resources. Supporting 3GPP Release 15 and beyond, the UXM 5G wireless test solution enables engineers to establish a 5G call with a device under test in different 5G New Radio deployment modes. It also supports LTE, eMTC, Wi-Fi®, and C-V2X signaling formats.

**Gilles Ricordel, CEO for SmartViser, said:** “Since 2021, SmartViser has collaborated closely with EU authorities and policymakers to establish the criteria for EEI verification on smartphones and slate tablets, and SmartViser is proposing the viSer Application fulfilling such testing requirement. The integration of viSer with the Keysight UXM 5G Wireless Test Setup enables us to cater to the cellular ecosystem that uses Keysight for its device testing needs.”

**Muthu Kumaran, General Manager for Keysight’s Device Acceptance Solutions, said:** “This collaboration with SmartViser allows us to continue adding value to the equipment investments our customers make by providing valuable new features. With a quick upgrade, device makers can begin conducting EEI testing immediately to meet these EU labeling regulations with the equipment they already have on their bench. Not only will this help device makers achieve superior performance that will drive consumer preference for their products, but it will also address key sustainability challenges. As a company, we are pleased to facilitate this testing.”

### *Logility Teams with Worldly to Leverage Comprehensive ESG Data for Supply Chain Transparency*

17 June 2024

Logility, Inc., a leader in AI-first supply chain planning software, announced its collaboration with Worldly, a sustainability insights and data platform, to support compliant digital supply chains. Logility leverages Worldly’s comprehensive source of Environmental, Social, and Governance (ESG) data used by over 40,000 brands, retailers, and manufacturers to inform its innovative vendor management, traceability, and corporate responsibility applications.

Driven by consumer demand, regulation, and corporate ESG initiatives, organizations increasingly require transparency across their global supply chains.

"Organizations need primary data and deep visibility into their supply chains to understand their true social and environmental impacts and keep up with emerging regulations," said James Schaffer, Worldly Chief Strategy Officer. "In partnering with Logility, Worldly can provide global brands, retailers, and manufacturers a comprehensive view of their sustainability performance while helping them prepare for new legislation."

Joint clients of Logility and Worldly are managing over 3,500 tier one suppliers and over 10,000 tier two, tier three and tier four suppliers around the globe. The combination, helps brand owners:

- better understand critical attributes at the factory level by mapping Higg Index data from the Higg Facility Environmental Module (FEM) and Higg Facility Social and Labor Module (FSLM) on Worldly;
- receive a more complete product picture of the relevant ESG attributes in preparation for a Product Passport with a map of the factory and vendor Higg FEM and Higg FLSM to a digital tree;

- meet due diligence requirements by utilizing Logility Supplier Network Modeling to build a digital twin model of the brand, vendor, and supplier ecosystem; and
- better manage purchase order traceability for chain of custody to support Customs Border Patrol (CBP) and the UFLPA compliance reviews.

"The integrated solution will help enable our 100+ clients in Apparel and Soft Goods (ASG) to deliver on their corporate objectives for transparency and sustainability," added Roger Mayerson, Logility's EVP for the ASG Industry.

### *Netskope Names Stephan Mesguich Senior Vice President, EMEA and LATAM*

17 June 2024

Netskope, a leader in secure access service edge (SASE), announced the appointment of longtime network and cloud security sales leader Stephan Mesguich as Senior Vice President, EMEA and LATAM. Mesguich will manage all sales, channel, and field teams in several of Netskope's fastest-expanding regions as customer demand soars for Netskope's converged SASE platform, Netskope One, including its industry-leading Security Service Edge (SSE) and zero trust capabilities.

Mesguich has over 30 years of cybersecurity sales experience and has led top-performing teams throughout Europe, the Middle East, Africa, and Latin America. He spent more than eight years at Palo Alto Networks, most recently as Vice President, Go-to-Market, EMEA & LATAM, for the Cortex product family, where, during his tenure, Cortex annual recurring revenue (ARR) grew from \$0 to over \$100 million. Previously, Mesguich was a highly regarded VP sales leader at Tufin and Verdasys, among other companies, and served as the first EMEA sales director at Check Point Software Technologies.

"Organizations are facing a massive shift in security, infrastructure, and operations as they grapple with increasingly sophisticated cyber threats and the adoption of cloud and AI," said Raphaël Bousquet, Executive Vice President, Worldwide Sales & Channel, Netskope. "Netskope provides both clarity and acceleration for customers making that shift, using a single, simplified platform with zero trust principles at its core. We are seeing growing demand for our Netskope One platform throughout EMEA and LATAM and I am delighted to have Stephan join the team. He brings a wealth of knowledge and experience that will help us continue to deliver on our ambitious plans for these markets."

"I am very excited to join Netskope at this next stage of the journey and to help scale the EMEA and LATAM business to even greater heights," said Stephan Mesguich. "I have seen and admired how quickly Netskope has become dominant in SASE, SSE, and zero trust, and learned firsthand from some of the biggest enterprise businesses in the world why the vision and execution behind the Netskope One platform is so compelling."

Earlier in 2024, Netskope unveiled Netskope One, its single platform that contains the full range of market-leading Netskope capabilities that enable security and infrastructure and operations (I&O) teams to reduce risk, cost, and complexity, protecting and accelerating everything to everywhere. Not only does Netskope provide these unique capabilities, but crucially, it is also

the only vendor that can deliver them all using one engine, one client, one gateway, and one network.

## *Schneider Electric Welcomes the U.S. Department of Energy Supply Chain Cybersecurity Principles*

19 June 2024

Schneider Electric, the leader in the digital transformation of energy management and automation, announced its endorsement and contribution to the U.S. Department of Energy's Supply Chain Cybersecurity Principles. Developed to foster a more cyber-secure supply chain for critical infrastructure worldwide, this guidance was the result of a joint effort led by the Department of Energy (DOE) Office of Cybersecurity, Energy Security, and Emergency Response (CESER) in collaboration with industry manufactures such as Schneider Electric, its peers, and end users to address supply chain cybersecurity risk.

Schneider Electric has been a leader in the industry collaborating closely with partners on supply chain cybersecurity globally. Schneider has maintained a close partnership with DOE who is working to protect the security and reliability of the energy sector. In 2020, Schneider Electric volunteered to partner with the DOE Office of Cybersecurity, Energy Security, and Emergency Response (CESER) for their Cyber Testing for Resilient Industrial Control System program (CyTRICS). These latest principles are another step in the ongoing and continuous effort to fortify the energy ecosystem.

As the network of energy automation and control system suppliers becomes more connected and integrated, Schneider Electric believes that supply chain cybersecurity is foundational in supporting critical infrastructure resilience – a shared responsibility and risk for all stakeholders within this ecosystem. As the industry faces ongoing challenges, Schneider Electric, and industry peers, recognize the need for standards across the industry and is committed to supporting these principals to minimize risk, strengthen security for all customers, and foster alignment within global supply chain security initiatives.

The Supply Chain Cybersecurity Principles take a great step toward the shared responsibility model, where manufacturers, end users, and government authorities collaborate to align on best practices to enhance supply chain cybersecurity resilience. This guidance, tailored toward suppliers and end users, defines their roles and responsibilities in this model and is based on foundational industry standards, including ISA/IEC 62443, ISO 27000 series, and NIST. While these principles were led by the DOE, the alignment to these global standards, and the endorsement from the G7 summit, demonstrate that the principles serve a broader global group of critical infrastructure stakeholders.

By collaborating with the U.S. Department of Energy, other suppliers, and end users, we are strengthening global supply chains to support critical infrastructure worldwide.

## *Semiwise, sureCore, and Cadence Showcase Breakthrough in Cryogenic CMOS Circuit Development for Quantum Computing and Energy-Efficient Data Centers*

20 June 2024

In a leap towards revolutionizing quantum computing and enhancing the energy efficiency of data centers, Semiwise, sureCore, and Cadence have collaborated to overcome critical challenges in developing cryogenic CMOS circuits. The collaborative effort has culminated in the successful modification of transistor models on GlobalFoundries 22FDX<sup>®</sup> in the Cadence<sup>®</sup> Spectre<sup>®</sup> Simulation Platform, thereby enabling the process of analog, mixed-signal, and digital circuit simulation and verification at cryogenic temperatures.

The milestone reached in this collaboration springs from the Semiwise Innovate UK project “Development of CryoCMOS to Enable the Next Generation of Scalable Quantum Computers,” during which Semiwise crafted the first robust transistor SPICE models designed to function in extreme cryogenic environments. This advancement is pivotal for quantum computing, drastically increasing the potential number of qubits within a system and significantly expanding the computational capabilities necessary for tackling complex, real-life problems.

“We were able to develop production-worthy designs for cryogenic CMOS circuits by using cryogenic transistor measurements performed by Incize in conjunction with a leading commercial TCAD simulator. This allowed us to create PDK-quality compact transistor models that include corners and mismatch,” said Professor Asen Asenov, CEO of Semiwise.

sureCore CEO Paul Wells said, “The critical storage element, the bit cell, must essentially be treated as an analog circuit that is very sensitive to process variability and mismatch. When we develop new memory designs and their associated compilers, we need to run thousands of statistical circuit simulations to guarantee the yield and reliability of our IP.”

“We are excited to work with Semiwise and sureCore in developing models in the Spectre Simulation Platform for use on cryogenic CMOS circuits,” said Tom Beckley, senior vice president and general manager, Custom IC & PCB Group, Cadence. “We are delighted that the Spectre Simulation Platform now has calibrated SPICE models for cryogenic environments.”

The first 22FDX SRAM tapeout by sureCore to validate both recharacterized standard cells and a range of embedded memory IP in the framework of the Innovate UK CryoCMOS project, enabled by the modifications in Cadence’s Spectre Simulation, is scheduled for early 2024. This development is a testament to collaborative innovation and future quantum computing and semiconductor technology advancements.

The Spectre Simulation Platform is a comprehensive design and verification solution that leverages advanced simulation engines to meet the evolving needs of designers. It offers a flexible and reliable abstraction that enables designers to preserve their results and IP as they progress through the design cycle. With the ability to simulate everything from architectural exploration to final analog and mixed-signal full-chip verification, this platform delivers increased productivity and throughput. Additionally, the Spectre platform is built on an

advanced infrastructure, ensuring it meets the most demanding simulation requirements of designers. The Spectre Simulation Platform supports Cadence's Intelligent System Design™ strategy, enabling SoC design excellence.

## *STACK Announces Ray DeZenzo's Move to President, Paving the Way for Innovative Growth and Continued Market Expansion*

19 June 2024

STACK Construction Technologies, an industry-leading, cloud-based construction software platform, is pleased to announce the promotion of **Ray DeZenzo** to President, assuming responsibility for Product as well as continuing to lead overall business operations.

In his new role, DeZenzo will continue to report to **Phil Ogilby**, Co-Founder and CEO of STACK Construction Technologies, and have full daily operating control over the organization. The two will continue working together to steer the organization toward Ogilby's vision of providing a unique set of capabilities that accelerate the digital transformation of the construction industry.

"I'm proud to be naming Ray as our President," said Ogilby. "His steadfast leadership and operational excellence have been crucial to strengthening our team and positioning the company for our next growth goals. When recruiting for a COO in 2019, our goal was to find someone who had 'done it before' in terms of growing and scaling a SAAS operation, ideally in or adjacent to the construction industry. From my first conversation with Ray, I had a sense he would be that and so much more. He's got a tremendous amount of energy and focus and he brings that to everything he does. His financial background in the CFO role was a bonus to his operational skills."

Since 2019, DeZenzo successfully helped raise additional capital, led the company in multiple acquisitions, helped grow annual revenue by 225%, and supported STACK's workforce expansion of 90 people. He is a champion of STACK's culture of innovation, fostering new ideas that add value and positive business impact to customers. DeZenzo's expertise in recruiting top talent and influencing performance through mentorship, along with his partnership strategy and negotiation skills, has made a huge impact on the company.

"Ray has extensive history in operational excellence, product development and finance oversight," commented Ben Levin, Level Equity CEO and Co-Founder. "Since joining the STACK organization, the impact of his leadership has been evidenced in the company's user and revenue growth. We are thrilled to see him take an even bigger role in driving future success for the company and our investment."

As DeZenzo takes the reigns, he will lean on a curated group of functional leaders to further propel the company's construction industry expertise and market penetration.

"Our leadership team is top-notch and I am proud of all that we've accomplished together thus far," reflected DeZenzo. "As President, I'm excited to drive even more opportunity for success as we work to align product development with customer needs and push new levels of innovation throughout our platform."

## TCS Launches New IoT Engineering Lab in Ohio to Accelerate Innovation for Clients

11 June 2024

Tata Consultancy Services (TCS), a global leader in IT services, consulting, and business solutions, has launched the Bringing Life to Things™ Lab in Cincinnati, Ohio. The lab is designed to support the rapid prototyping, experimentation, and large-scale implementation of AI, GenAI, and IoT engineering solutions, enabling TCS to assist clients in bringing innovative solutions to life faster and more efficiently.

Spanning across 3,000-square feet, this lab will advance the deployment of TCS' comprehensive suite of IoT solutions, including TCS Clever Energy™, TCS Digital Manufacturing Platform™ (DMP) and TCS Digifleet™, among others. These solutions cater to various industries including health care and life sciences, manufacturing, energy and resources, consumer packaged goods, and more. The lab will also help businesses collaborate and co-innovate, integrating physical assets, partner technologies, and customer challenges to create new offerings and solutions.

**Amit Bajaj, President-North America, TCS, said,** *“On the demand side, structural shifts such as energy transition, supply chain relocation and AI are requiring significant new production capacity in the United States that is connected, intelligent and autonomous by design. On the supply side, Intelligent Edge, powered by advances in connectivity, sensor and AI technology, is reinventing customer experience, personalized products and connected manufacturing. TCS' investment in the Bringing Life to Things Lab in Ohio will help our clients bridge the traditional divide between operational and digital technology by rapidly turning their ideas into minimum viable products that reimagine their value chain at scale. With its strategic location in Cincinnati, home of TCS' largest American delivery center, the lab is well positioned to tap into the area's tech talent to help our customers across North America.”*

**Regu Ayyaswamy, Global Head of the Internet of Things (IoT) and Digital Engineering, Tata Consultancy Services, said,** *“With the inauguration of the Bringing Life to Things Lab, TCS reaffirms its commitment to driving innovation and digital excellence in an era defined by Artificial Intelligence and GenAI. This lab will spark co-innovation, enabling clients to brainstorm and collaborate through design thinking workshops, and unlock the full potential of IoT, AI, and GenAI technologies.”*

The lab also offers TCS' innovative solutions, including the TCS Neural Manufacturing solution, which provides autonomous and intelligent capabilities for factories, and the TCS connected healthcare platform, providing solutions for personalized medicine. Some key TCS initiatives that are anchored at the Bringing Life to Things Lab include:

(1) **Digital Twin of the Heart:** TCS announced the creation of the first-ever digital heart of a professional runner in 2023, unveiling a virtual replica of Boston Marathon champion and two-time Olympian Des Linden's heart. Through this partnership, TCS aims to demonstrate how AI-powered digital twin technology can transform athlete training by measuring and monitoring the heart's performance in real time. Beyond athletics, this technology has the potential to transform healthcare. In concert with wearable devices and sensors, it can gather and deploy

patient data to perform real-time analyses, preventing the development or progression of medical conditions.

(2) **Building Software-Defined Vehicles:** IoT technology is at the heart of digital transformation in the automotive sector. TCS helps automakers and OEMs navigate and accelerate their journey toward building Software-Defined Vehicles (SDVs). The TCS Auto Gen AI Suite at the Bringing Life to Things Lab expedites the design, development, and validation of SDVs, leveraging GenAI and object detection to track people, vehicles, and other hazards in a car's path.

In addition to serving clients, the lab engages with the local community through TCS' smart gardening technology, TCS Grow+. Over 50 employees collaborated to develop a 3,500 square foot smart garden, leveraging sensor fusion based IoT technology to monitor plant environments, optimizing growth conditions like watering. Since its inception, TCS has harvested over 3,500 pounds of fruit and vegetables, benefitting more than 500 families through various charitable organizations.

Aligned with TCS' flagship digital innovation and career readiness program, goIT (go Innovate Together), the Lab also serves as a hub for researching, designing, and testing emerging learning concepts with experts in the field before taking them into classrooms all over the world. The opening of this lab underscores TCS' strong presence in the U.S., where it has a 50-year legacy of driving growth and transforming the businesses of leading companies in every sector.

### *Tech Soft 3D Appoints Cecile Quillard as Chief Financial Officer*

17 June 2024

Tech Soft 3D, the leading provider of engineering software development toolkits and end-user solutions for CAD/CAE data conversion, visualization, and data publishing, is pleased to announce the appointment of Cecile Quillard as its new Chief Financial Officer. Reporting directly to Tech Soft 3D CEO Ron Fritz, Quillard brings extensive experience to her new role, having successfully led finance and operations teams internationally, enhancing organizational efficiency and performance. Her expertise includes the design of financial processes for strategic decision-making, support of acquisition workflows, and leadership of finance integration efforts.

Most recently, Quillard played a pivotal role in the acquisition and integration of the CAMBRIO product line into the Sandvik Digital Manufacturing portfolio, where she oversaw all financial activities and business analytics. Quillard joined Sandvik in 2018 through its acquisition of Metrologic, where she managed finance and business control for various software business units and served as CFO for TDM Systems. Her previous roles include CFO of Hydrokarst SA, EMEA FP&A Manager and EMEA Consulting Finance Director at Infor, and Financial Controller at Datastream.

"I have dedicated nearly my entire career to corporate finance within the software industry and have long admired Tech Soft 3D as a key technology partner," said Quillard. "I am excited to be joining the Tech Soft 3D team, particularly as the company broadens its strategic vision by

enhancing its developer toolkit business with advanced CAD data solutions for end-users. I look forward to working collaboratively across teams to drive strong financial performance for our business and partners."

Commenting on the appointment, Fritz said, "Cecile is a highly accomplished CFO with extensive experience across numerous high-tech industries. Throughout her impressive career, she has consistently achieved strong financial results, instilled financial and operational discipline, and provided inspirational leadership. We are delighted to add such a proven player to our senior team to help lead us through our next phase of growth."

### *Wipro to Transform Automotive Software Development through Siemens Collaboration and Integration with PAVE360*

13 June 2024

Wipro, a leading technology services and consulting company, announced a strategic collaboration with Siemens to transform automotive software development through the integration of the PAVE360™ software and digital twin technologies from Siemens with Wipro's automotive engineering and digital transformation capabilities.

Designed to address the growing complexity of automotive software development driven by the rapid evolution of the Software Defined Vehicle, this collaboration aims to significantly accelerate the development, testing, and validation of automotive software, leading to higher efficiency and quality, and faster innovation within the automotive sector.

By leveraging cutting-edge technologies such as artificial intelligence, machine learning and virtualization, the collaboration will significantly simplify the software development process, accelerate time-to-market, and enhance the overall quality and dependability of automotive software.

**Dr. Swarup Mandal, General Manager & Global Head Automotive Wipro Engineering Edge, Wipro Limited, said,** " We are delighted to collaborate with Siemens EDA to drive innovation and transformation in the automotive industry. By combining Siemens' PAVE360 technologies with our Cloud Car offerings, we will provide an AI powered Virtual Vehicle Validation Platform, which enables our customers to develop SDV efficiently."

**David Fritz, Vice President Hybrid and Virtual Systems, Siemens Digital Industries Software, said,** "Through our collaboration with Wipro, we are excited to extend the reach of the transformative power of PAVE360 to an even wider automotive audience. This collaboration represents a significant step forward in redefining software development processes, empowering manufacturers to innovate with confidence and agility in an increasingly complex and competitive landscape."

The collaboration between Wipro and Siemens underscores the two companies' shared commitment to delivering transformative solutions that create lasting value for clients and stakeholders.

## Event News

### *'The Ceramic 3D Factory' at RAPID + TCT 2024: Lithoz launches new dimension of 3D-printed ceramic serial production in the USA*

13 June 2024

At the upcoming RAPID + TCT, Lithoz will highlight their global '**Ceramic 3D Factory**' network and launch the **CeraControl** software, driving ceramic additive manufacturing to a new dimension of serial production. In its world premiere, a 15" (380mm) semiconductor ALD ring from Alumina Systems printed using LCM technology will be shown at the Lithoz booth (1613). Visitors can experience an impressive range of **innovative industrial and medical parts**, produced by global Lithoz partners, in an exclusive '**touch and feel**' opportunity.

With clear growing demand for ceramic 3D printing at an industrial scale across industries, the success of Lithoz's partners and technology in serial production is becoming ever more visible. Lithoz will showcase the arrival of "The Ceramic 3D Factory", **uniting Lithoz technology and service bureaus all over the world in one global network** for interconnected serial production across fields such as semiconductor production, aerospace and MedTech. RAPID + TCT 2024 will be this year's main touchpoint for the showcase of this global "Ceramic 3D Factory" network strengthened by the new **CeraControl software**, which allows for **100 globally interconnected CeraFab S65 3D printers**.

An impressive showcase of 260 identically designed aerospike nozzles produced at varying sizes will demonstrate the perfect reproducibility and powerful scalability of LCM technology to industrial dimensions. With **100 Lithoz CeraFab System S65 printers connected**, the smallest parts shown can be manufactured with exact reproducibility at a printing speed of **3:46 minutes per part**, resulting in an **annual total volume of almost 14 million parts**.

**A 15" (380mm) diameter alumina gas distribution ring** from **Alumina Systems** using Lithoz LCM technology will be on show at the booth. Alumina is used to ensure a constant gas flow and pressure even when using reactive gases. Capitalizing on the design freedom of Lithoz LCM technology, the part manufactured performs **more effectively than conventionally produced rings** thanks to a more complex design, allowing for an exceptionally lightweight and thin-walled structure.

After the overwhelming interest in 3D-printed healthcare applications in recent years, fascinating **bioresorbable ceramic implants made of hydroxy apatite and multi-feature surgical tools** will be on show as an exclusive 'touch and feel' opportunity.

### *Black Buffalo 3D Joins ICC-ES Panel at Innovative Housing Showcase hosted by U.S. Department of Housing and Urban Development*

11 June 2024

Black Buffalo 3D was invited to participate in a panel on "Bringing Innovative Materials to Market" alongside representatives from the International Code Council during the U.S. Department of Housing and Urban Development's Innovative Housing Showcase. Peter

Cooperman—CMO of BB3D—joined industry and government officials to speak about the importance of testing, validation, and standardization to foster innovation in the home building industry using 3d construction printers.

“Black Buffalo 3D invested years into developing a complete solution for 3D construction including printers, materials, and wall designs to streamline the move from traditional to innovative methods of building. Our team recognized that the only missing piece was a standardized approach to help our customers and partners get building permits, approvals and certificates of occupancy for their projects. By testing to and being approved by ICC-ES’s AC509 criteria our tech has overcome the final hurdle,” remarked Peter Cooperman, CMO of Black Buffalo 3D.

ICC-ES AC509 is an internationally recognized building criteria in over 55 countries for 3D printing concrete structural walls. Black Buffalo 3D submitted samples at a material mix level, underwent inspection of its NEXCON printers, and extensive testing of printed wall designs over the course of two years to validate compressive strength, shear testing, interlayer bonding, freeze/thaw properties, seismic resilience, and many other Intertek verified tests to prove the advantages of 3D construction over traditional build methods.

The Innovative Housing Showcase Educations Sessions was a hybrid onsite and live online broadcast of dynamic discussions around leveraging innovative construction techniques to create more abundant, attainable and sustainable housing for all Americans. It was a rare opportunity for government, industry professionals, key stakeholders and interested citizens to hear open discussions around the process of getting new technology and methods tested and approved on a large scale.

Every Black Buffalo 3D home is printed and designed with the highest level of inclement weather resiliency in mind. This helps with long term affordability of home ownership. As part of its plan to promote the 3D printing industry, Black Buffalo 3D has made its NEXCON Printer available for sale and/or lease along with the sale of its Planitop 3D “concrete ink.” Black Buffalo 3D is eager to share its knowledge around the 3D printing process and is offering its team’s expertise and assistance to any and all 3D printing projects.

### *Dream Chip and Cadence Demo Automotive SoC Featuring Tensilica AI IP at embedded world 2024*

18 June 2024

At embedded world 2024, Cadence and Dream Chip demonstrated Dream Chip’s latest automotive SoC, which features the Cadence® Tensilica® Vision P6 DSP IP and Cadence design IP controllers and was taped out using the complete Cadence® Verification solution and full-flow digital implementation, including signoff. The advanced driver-assistance system (ADAS) application software, operating on the Tensilica AI IP within the Dream Chip development board, was a highlight of Cadence's booth during the exhibition held in Nuremberg, Germany, from April 9 to 11.

This innovative SoC utilizes the GlobalFoundries 22FDX<sup>®</sup> technology platform, which is ready and proven for energy-efficient automotive customers. The SoC is designed in a publicly funded project, ZuSE-KI-Mobil (ZuKIMo). ZuKIMo focuses on developing an AI accelerator system on chip (SoC) for advanced driver assistance systems (ADAS). Manufactured in Dresden, Germany, the SoC supports the local European semiconductor supply chain for automotive applications.

The Cadence Verification, Implementation and Signoff solutions enable automotive designers to quickly deliver first-time silicon success while achieving safety, quality and reliability goals, enabling certification up to ISO 26262 ASIL-D, with minimal impact on system power, performance and area (PPA) targets. This cutting-edge SoC leverages the capabilities of Cadence verification and RTL-to-GDS digital full-flow solutions, meticulously fine-tuned to meet the stringent safety, quality and reliability standards required in the automotive industry.

It also leverages the optimal ADAS features with the industry-leading Tensilica Vision P6 DSP and AI cores by incorporating Tensilica AI processors and a sophisticated array of Digital IP controllers. These include Cadence's pioneering NPU AI IP, multi-functional Ethernet 10/100/1G MAC, essential control features such as SPI and RTC Control, and SD 6.0/eMMC 5.1 Host Controller and PHY. This strategic integration of hardware is designed to power energy-efficient ADAS applications that utilize evolving technologies like lidar, radar and vision-based systems at the edge, significantly enhancing the automotive-grade quality, safety and reliability of autonomous, connected and electrified (ACE) vehicles.

Commenting on the milestone, Dr. Jens Benndorf, managing director and CEO of Dream Chip Technologies, said, "We collaborated closely with Cadence to provide a full automotive solution highlighting Cadence Tensilica AI-at-the-edge performance along with functional safety and the latest image signal processing to automotive OEMs and Tier-1s. Dream Chip fully implemented and signed-off the energy-efficient automotive SoC from architecture spec to running software using the Cadence Verification solution along with the Cadence Digital EDA full-flow on the GlobalFoundries 22FDX process, showing that Dream Chip is an optimal design house choice for advanced automotive SoCs."

David Glasco, VP of research and development, Compute Solutions Group at Cadence, added, "The choice of Tensilica IP by the ZuKIMo coalition along with Cadence's focus on design innovation and excellence across all aspects of the safety-critical and high-reliability IP and the design and verification flow has resulted in this powerful ADAS demo."

The embedded world demo highlighted the advanced SoC capabilities, demonstrating the power and flexibility of Cadence's Tensilica IP in driving optimal ADAS features with the industry-leading Vision and AI cores.

### *Procure Unveils Latest Product Advancements at Innovation Summit 2024*

12 June 2024

**Procure Technologies, Inc.**, the leading global provider of construction management software, is kicking off **Innovation Summit 2024**, announcing a series of product advancements to help customers improve collaboration throughout the construction lifecycle.

Procore has spent the last two decades building one of the leading enterprise-grade construction management platforms for customers all around the world, from preconstruction to closeout. Today, Procore is committed to leading the construction industry through the rapid technology changes facing builders. The company is further innovating its core products – Project Management, Quality, Safety and Construction Financials – while helping users unlock the power of artificial intelligence (AI) and data to drive their businesses forward.

Among the many solutions announced at Innovation Summit 2024, the below newly announced product updates give Procore customers deepened access to AI, improve field productivity, and drive efficient cost management:

- **Procore Copilot AI will further integrate into the Procore platform via Microsoft Teams.** This upcoming integration will bring important project data and context directly from Procore into Microsoft 365. Procore Copilot AI users will then be able to simply ask questions about Procore projects in Teams, in normal, conversational language, and receive a complete summary of the pertinent information along with links to related information sources. Users will be able to search for, view, and attach Procore project information (such as requests for information (RFIs), Specifications, and Submittals) in work on calls, meetings, and chats.
- **AI Locations will allow users to scan project drawings and automatically build out project location lists.** This will unlock the ability to organize project items by location as they're created in the field later on. Procore will also utilize AI to surface key information on RFIs and submittal response time, alongside context on project requirements and industry benchmarks.
- **Procore Maps will enable viewability of photos on a map to understand work status across all areas of a project to help optimize workflows and reduce delays.** Procore Maps will be able to filter photos on a map by date to pinpoint specific milestones or events captured during a project timeline. Ultimately, this will streamline visual data and support smart decisions on the go. Users will also be able to navigate to where photos are captured directly from the map interface, providing context and clarity to team members regardless of their location.

Join Innovation Summit **June 12, 2024** or **tune in on a later date** [here](#) to learn how the Procore platform is helping users utilize AI, take control of construction outcomes, collaborate efficiently and more.

### *Propel Software's Propulsion Conference Identifies Key Market Trends for Product Companies Looking to Drive Business Value and Speed Time to Market*

20 June 2024

Propel Software, creator of the first product value management (PVM) platform, proudly celebrates the conclusion of [Propulsion 2024](#). This must-attend annual event brings together industry experts, innovative high tech/electronics, medical device, manufacturing, and consumer goods product companies, and Propel partners like Salesforce, Zero Wait-State and

Oracle NetSuite. Attendees share best practices while leading experts present industry trends influencing the creation of compelling and profitable products in disruptive markets.

Held in Chicago, Propulsion offered actionable takeaways designed to drive business profitability. Presenters included Propel customers Guardant Health, MaryRuth Organics, Breg, AMS Technologies, BekaertDeslee, and Allegro Microsystems.

“Now in our fifth year, Propulsion is a preeminent event for companies looking to optimize business value through innovative product development and management processes. Participants gain a wealth of knowledge directly from their peers, while making valuable connections to help fuel their professional growth and success,” said Propel Software CEO Ross Meyercord.

### **Spotlight on Manufacturing: Investment Surges, Policy Strategies, and AI**

Experts shared insights on key business and technology trends in manufacturing and supply chains, including:

- Unprecedented investment in domestic manufacturing, driven by government spending and the construction of new factories, which demands new equipment and skilled workers.
- Steps the U.S. government is taking to protect its supply chain and reduce dependency on China while promoting onshore/nearshore alternatives..
- AI’s increasing relevance for manufacturers – why you should invest now in the breadth, depth, and quality of data to enrich large language models.

### **Innovator Awards Recognize Efficiency, Revenue Capture & User Empowerment**

Innovator awards were presented to Propel customers, Breg, Inc., a global provider of orthopedic bracing and cold therapy devices, and Savant Systems, a fast-growing leader in smart home automation and power solutions.

Erika Blair, Product Development Manager and Serena Oaks, Director of Product Development at Breg, accepted the Propel Innovation award. The pair was instrumental in using Propel to streamline Breg’s development processes and increase revenue, with the following key stats highlighted in its award submission:

- 77% faster speed to market
- Design change project cycle time cut from 92 days to 21 days
- 92% decrease in senior engineer change order training

The Savant award submission, developed by Beth LeClerc, VP of Business Systems Architecture & Web Services and Angie Larson, SVP of Customer Operations, highlighted the following results:

- 35% increase in revenue over two years
- 50% reduction in order-entry labor

- Decreasing customer service calls over 1,000 hours a year
- Reducing time to market on the ecommerce store by 74% over two years

If you would like to review this year's recordings and stay up to date on next year's event, register on our [Propulsion 2024](#) site.

### *Simulations Plus to Participate in the Morgan Stanley 3rd Annual Life Sciences AI Summit*

20 June 2024

Simulations Plus, Inc. ("Simulations Plus"), a leading provider of biosimulation, simulation-enabled performance and intelligence solutions, and medical communications for the biopharma industry, announced that Shawn O'Connor, chief executive officer, will participate in the Morgan Stanley 3<sup>rd</sup> Annual Life Sciences AI Summit on Wednesday, June 26, 2024, at Morgan Stanley's headquarters in New York City. Mr. O'Connor will join a panel discussion entitled "Transforming Research – Optimizing from Lab to Trial" at 2:10 p.m. EDT, and he will host one-on-one meetings with investors following the panel discussion.

This event will feature sessions focused on the AI-driven paradigm shift unfolding across the biopharma value chain and discussions with some of the most influential companies operating at the intersection of life sciences and technology innovation. For more information about the conference, please visit the [Morgan Stanley conference website](#).

### *Stratasys to Showcase Industry-Leading Portfolio of Offerings Across Additive Manufacturing at RAPID + TCT Expo*

18 June 2024

Attendees of the 2024 RAPID + TCT Expo in Los Angeles will have multiple opportunities to learn how Stratasys Ltd. is leading the shift to additive manufacturing. Stratasys will highlight the transformative power of additive technology through eight speaking engagements, a dynamic booth, and a showcase truck featuring solutions, applications, and real-world use cases. CEO Dr. Yoav Zeif will open the conference as part of a CEO panel and deliver a keynote address in the afternoon. RAPID + TCT, the largest additive manufacturing expo in North America, runs from June 25 to June 27.

During the conference, visitors to the Stratasys booth (No. 1501) will learn about the latest use cases and applications for additive manufacturing across a wide array of industrial businesses such as aerospace, automotive, healthcare, dental, and consumer products.

Stratasys will display at the booth the recently launched high-scale manufacturing printer, the F3300 and the NEO<sup>®</sup> 800, as well as more than 200 parts from across all of Stratasys' technologies. The Stratasys Truck, a mobile showcase of printers and solutions, will also be at the event.

In addition, Stratasys will reveal an innovative new medical solution at its booth at 2:30 p.m. (Pacific US) on Tuesday, the 25th.

Conference attendees are invited to hear from Stratasys leaders who will be paired with partners from NASCAR, Northrup Grumman, OEMs, and Panic! At the Disco drummer, Dan Pawlovich, to discuss end-use parts within NASCAR racecars, wind-tunnel testing, 3D printed materials in space, and 3D printing's contribution to creating music.

"Through these sessions, we will showcase the transformative power of additive manufacturing," said Zeif. "Attendees will witness firsthand how our technology brings unparalleled flexibility, efficiency, and innovation across multiple industries. By redefining prototyping and manufacturing in a sustainable and customized manner, we aim to inspire our customers, partners, and competitors, highlighting the spirit that will shape the future of manufacturing."

The speaking sessions featuring Stratasys experts include (All times Pacific US):

- **June 25, 8:30 a.m.:** Dr. Yoav Zeif, Stratasys, CEO - Keynote Series: Executive Perspectives Panel, SME Main Stage
- **June 25, 10:00 a.m.:** Allen Kreemer, Principal Application Engineer, Stratasys, and Robert Duvall, NASCAR Director of Competition Partnerships - Enhancing Quality, Competition, and Safety at 200 MPH, Room 406A
- **June 25, 1:00 p.m.:** Dr. Yoav Zeif, Stratasys, CEO - Keynote Series: Welcome Sponsor, SME Main Stage
- **June 26, 10:00 a.m.:** Fadi Abro, Director, Global Automotive, Stratasys, and Alec Logeman, Commercial Applications Engineer, Stratasys - SAF Technology for Custom Peen Shot Masking, Room 406A
- **June 26, 3:00 p.m.:** Claydeen Adams, Engineer, Stratasys, and Dan Pawlovich, Drummer, Panic! At the Disco - Harmonizing Innovation: 3D Printing's Rhythmic Revolution in Music, Room 405
- **June 26, 3:30 p.m.:** Colton Mehlhoff, Applications Engineer, Stratasys, Fon Davis, Creative Director, Fonco Studios, and Matt Winston, Co-Founder, Stan Winston School of Character Arts - Blockbuster Magic: Behind the Scenes with 3D-Printed Props and Sets, Room 405
- **June 27, 10:00 a.m.:** Oren Zoran, Vice President, Products, Stratasys, and Xiaoming Luo, Principal Manufacturing and Process Development Engineer, TE Connectivity - DLP 3D Printing in Electrical Connector Manufacturing Applications, Room 406A
- **June 27, 10:30 a.m.:** Foster Ferguson, Senior Director, Aerospace and Defense, Stratasys, and Andrew Kwas, Engineering Systems Architect, Northrup Grumman - Testing Additive Materials Performance in Space, Room 408A

## Financial News

### *Accenture Reports Third-Quarter Fiscal 2024 Results*

20 June 2024

Accenture reported financial results for the third quarter of fiscal 2024 ended May 31, 2024.

Click to download the [Q3 FY24](#) and [Q3 YTD FY24](#) earnings infographics.

[Click to Download](#)

### *Altair Added to S&P MidCap 400*

20 June 2024

Altair, a global leader in computational intelligence, was added to the S&P MidCap 400 by S&P Dow Jones Indices effective prior to the open of trading on Monday, June 24.

“Being added to the S&P 400 represents a significant milestone in Altair's journey as a public company,” said James R. Scapa, founder and chief executive officer, Altair. “It is a testament to our strong and steady growth and our demonstrated leadership in simulation and design, data analytics and AI, and high-performance computing.”

The S&P 400 serves as a benchmark for mid-sized companies. The index is designed to measure the performance of 400 mid-sized companies, reflecting the distinctive risk and return characteristics of this market segment.

### *Invitation to Tecsys' Conference Call on June 28, 2024, Covering Fourth Quarter and Fiscal Year 2024 Results*

18 June 2024

Tecsys Inc. will release its financial results for the fourth quarter and fiscal year 2024 ended April 30, 2024, on June 27, 2024, after the markets close. Tecsys President and CEO Peter Brereton, and CFO Mark J. Bentler, will host a conference call on June 28, 2024, at 8:30 a.m. ET to present and discuss the results with the analysts.

Subject: Q4 and FY2024 Financial Results Conference Call

Date: June 28, 2024

Time: 8:30 a.m. ET

Phone number: 800-836-8184 or 646-357-8785

The call can be replayed until July 5, 2024, by calling 888-660-6345 or 646-517-4150 (access code: 46999 #).

## *Simulations Plus Announces Third Quarter Fiscal Year 2024 Earnings and Conference Call Date*

18 June 2024

Simulations Plus, Inc. (“Simulations Plus”), announced that it will report third quarter fiscal 2024 financial results after the market close on Tuesday, July 2, 2024.

Management will host a conference call that same day at 5:00 p.m. Eastern Time to discuss the results. Investment professionals and all current and prospective shareholders are invited to join the live webcast by registering [here](#). The conference call can also be accessed by dialing 1-877-451-6152 (domestic) or 1-201-389-0879 (international) or by clicking on this [Call me™](#) link to request a return call. The webcast can be accessed on the investor relations page of the Simulations Plus website at [www.simulations-plus.com/investorscorporate-profile/corporate-profile/](http://www.simulations-plus.com/investorscorporate-profile/corporate-profile/) where it will also be available for replay approximately one hour following the call.

## Implementation Investments

### *A Leading European Manufacturer Deployed Plataine to Enhance Fabric Cutting Efficiency & Improve Bid Winning Rate*

20 June 2024

Plataine, a leading provider of AI-driven manufacturing optimization solutions, is excited to announce that a leading European manufacturer, selected Plataine to automate and optimize their cutting processes and accelerate their response to bids. This collaboration marks a significant leap towards automating the customer’s production processes, reducing planning time and enhancing operational efficiency.

The benefits have been substantial: planning time was reduced from several hours to minutes; process automation was improved allowing scalability and the ability to respond to a higher number of bids. The European manufacturer can now manage accurate planning of inventory and costs, improving overall operational efficiency.

The company faced significant operational challenges due to its dependence on manual processes, especially when the industry is facing labor shortages. It aimed to enhance productivity and improve the utilization of machines and overall factory resources. One of the major bottlenecks was the labor-intensive task of creating material cutting plans for projects, which could take as long as a few hours per project. This lengthy preparation time adversely affected the speed at which they could respond to project bids, ultimately impacting win rates and customer satisfaction levels.

Plataine’s solution has been a game-changer for the manufacturer, by automating the production process and dramatically improving efficiency and customer satisfaction. The implementation of Plataine’s cloud-based solution was seamless, with remote setup and a quick training session that ensured a smooth transition into production. The solution has enabled the customer to respond to bids much faster and with accurate material consumption.

Avner Ben-Bassat, President and CEO of Plataine, comments: “We are proud to provide innovative solutions that enable our customers to grow, optimize and automate their cutting operations. This marks a significant leap forward in the customer’s business agility and bid winning rate. Our ongoing commitment demonstrates how we deliver exceptional value to our customers, by leveraging cutting-edge technology and maintaining their competitive edge in the market.”

### *Bendigo and Adelaide Bank Partners with MongoDB to Modernize Core Banking Technology Using Generative AI*

13 June 2024

MongoDB, Inc. announced that Bendigo and Adelaide Bank has partnered with MongoDB to modernize its core banking technology with MongoDB Atlas as the keystone of an ambitious application modernization initiative. During the initiative, the bank:

- Reduced the development time required to migrate a core banking application off of a legacy relational database to MongoDB Atlas by up to 90%.
- Migrated onto MongoDB Atlas at one-tenth of the cost of a traditional legacy-to-cloud migration.
- Automated repetitive developer tasks with new AI tooling in order to accelerate developers’ pace of innovation. For example, AI-powered automations reduced time spent running application test cases from over 80 hours to just five minutes.

In less than three months, the bank modernized its Agent Delivery System, a legacy retail banking application, on MongoDB Atlas with the help of MongoDB Relational Migrator and generative AI-assisted modernization tools. The Agent Delivery System is a retail teller application for the bank’s agent branches, and is used in communities where digital banking functionality is made available from non-bank businesses, like newsagents or pharmacies. Prior to partnering with MongoDB, the bank ran the system on a legacy relational database that lacked the flexibility to easily evolve to reflect the complex data mapping requirements that today’s modern applications demand. Because of these database-related challenges, the bank’s analysts and developers were committing significant effort to complex database management tasks in order to keep the application running.

As a technological leader in the Australian financial services market, Bendigo and Adelaide Bank was eager to enable its developers to focus on more meaningful innovation so the bank could remain agile in a fast-moving market. To do so, the bank decided to modernize its Agent Delivery System to make it easier for its developers to work with data and create innovative, accessible banking services. Specifically, the bank sought to adopt a new microservices architecture to help integrate its data and a robust API ecosystem—a series of connective mechanisms that enable easy data exchange—to facilitate fast, easy data flow between the bank’s applications, third parties, and consumers.

The bank chose MongoDB Atlas as the underlying platform for its tech stack because of the high levels of security and reliability offered by MongoDB Atlas, its ability to manage the bank’s real-

time, operational data on a unified platform, and because of the intuitive developer experience offered by MongoDB's document model, which maps to how developers think and code, enabling them to build applications faster.

To migrate the Agent Delivery System to MongoDB Atlas, the bank deployed MongoDB Relational Migrator—a tool that helps customers eliminate barriers like time, cost, and risk frequently associated with cloud migrations—to expedite codebase analysis, service decomposition, and application refactoring, ensuring a secure and efficient migration. MongoDB Professional Services worked with Bendigo and Adelaide Bank to create customizable generative AI tooling, including scripts and prompts tailored for the bank's unique tech stack, which accelerated the modernization process by automating integration testing and code generation for seamless deployment of the new Agent Delivery System's microservices architecture. Legacy migrations can otherwise be long, expensive processes, but these solutions enabled Bendigo and Adelaide Bank to complete the migration with 90 percent less human effort and at one-tenth of the cost of a traditional legacy migration.

With this migration, Bendigo and Adelaide Bank has eliminated volumes of routine code writing and programming work with automated generative AI tooling, which has empowered the bank's developers to innovate with increased agility and more quickly deploy highly-available and performant application features that enhance end-user experiences.

"This migration was an enormous step forward in our transformation journey and a perfect marriage of people smarts and tech smarts. It's an investment in our customers," said Andrew Cresp, Chief Information Officer at Bendigo and Adelaide Bank. "Now, our lean, highly skilled team can ask MongoDB Atlas and the generative AI tooling MongoDB's Professional Services team built for us to do really smart things, leaving our developers free to focus on other ways they can deliver great outcomes for our customers. We've started by modernizing our most critical applications, and next, we intend to tackle a number of other outdated legacy applications across the bank, putting us on track to meet our target of 50 percent of our critical workloads in the cloud by the end of the year."

"It's important that MongoDB empowers its customers to modernize with applications that are not just future ready, but future-defining. This is paramount for financial institutions, who need to transform quickly and take advantage of advancements like generative AI to best serve their customers," said Simon Eid, Senior Vice President, APAC at MongoDB. "Applying the power of AI to Bendigo and Adelaide Bank's migration process was game-changing. MongoDB looks forward to helping more customers quickly and easily ditch the rigid legacy technology that is slowing them down to achieve all the benefits a modern technology stack can bring to their businesses."

### *Bonprix Catwalks Onto Business Intelligence with SAP*

12 June 2024

SAP SE announced Otto Group's Bonprix, a leading international fashion company, has successfully completed its implementation of the SAP BW/4HANA and SAP Datasphere solutions.

One of Germany's top four online fashion shops, Bonprix now operates a dynamic multi-cloud data landscape that enables it to integrate both on-premise and cloud data sources in one single platform.

Based in Hamburg, Germany, Bonprix has over 16 million active customers in more than 25 countries. The company looked to SAP solutions for a simplified IT architecture, a faster time-to-market in business decision-making process and a self-service-enabled semantic layer to respond to market changes and ensure customers have access to the latest catwalk trends.

Supported by SAP services and partners, including Beratungscontor, Bonprix implemented its analytics stack on SAP Datasphere and the SAP Business Warehouse application. By deploying SAP Datasphere as a cloud-based data platform to SAP BW4/HANA, Bonprix gains access to a powerful analytical platform that bridges data across finance, sales, logistics and customer relationship management between transactional SAP data and end users.

"The Bonprix business intelligence data based on SAP solutions is adeptly designed for the future, leveraging the robust capabilities of SAP BW/4HANA at its core to manage and efficiently process vast volumes of data," said Sergio Lopez Nunez, Bonprix senior BI engineer. "When paired with SAP Datasphere, which offers extensive multi-cloud access, it enables the seamless integration of data from diverse sources. In essence, the Bonprix BI data platform is not only a cornerstone in daily operations but also a strategic asset in the relentless pace of technological change, ensuring that Bonprix is well-equipped to continue promoting responsible trade that inspires, now and into the future."

Having already implemented SAP Business AI solutions – specifically, the Document Information Extraction business service – Bonprix already has experienced significant efficiency gains by automatically extracting relevant data from incoming invoices, reducing manual data entry errors and accelerating the overall invoice processing workflow.

"As one of Germany's top online fashion shops, Bonprix's digital transformation journey is impressive as they continue to make millions of customers happy," said Sven Mulder, managing director of SAP Germany. "The adoption of SAP Datasphere and SAP BW/4HANA marks the beginning of Bonprix's successful cloud journey. They're now empowered to make real-time, data-driven decisions, positioning the brand to expand into new markets with style."

### *Dassault Systèmes' 3DEXPERIENCE Platform on the Cloud Selected by Mahindra & Mahindra as It Accelerates Its Digital Transformation*

20 June 2024

Dassault Systèmes announced that Mahindra & Mahindra, a leader in automotive, farm and services businesses in India, is advancing its digital transformation by selecting Dassault Systèmes' 3DEXPERIENCE platform on the cloud to accelerate its end-to-end new product development process.

Mahindra & Mahindra's strategic decision to adopt the 3DEXPERIENCE platform on the cloud for its future auto programs will enable it to improve the efficiency of its process and reduce the time to market of safer and more sustainable vehicles.

Mahindra & Mahindra will use the “Drive Emotion,” “Global Modular Architecture,” and “Smart Safe and Connected” industry solution experiences based on the 3DEXPERIENCE platform to connect thousands of users – employees and suppliers – in one virtual environment empowering collaboration and innovation. By working on the cloud, teams can quickly adopt industry best practices, collaborate seamlessly, and access real-time information. This ensures enhanced visibility and facilitates informed decision-making across product planning, design, engineering, strategic sourcing, and digital manufacturing domains.

“We wanted high-performance technology that would enable us to launch innovative vehicles faster and fulfill our sustainability ambitions. With Dassault Systèmes’ expertise and 3DEXPERIENCE platform, we can deepen collaboration, and expedite problem identification and resolution, leading to streamlining new vehicle launch timelines,” said Rucha Nanavati, CIO, Mahindra & Mahindra.

“Mahindra & Mahindra has a long-standing partnership with Dassault Systèmes and they continue to put their trust in our solutions to develop the next generation of their vehicles,” said Laurence Montanari, Vice President, Transportation & Mobility Industry, Dassault Systèmes. “Vehicle development is complexifying every day due to regulations. Our 3DEXPERIENCE platform on the cloud addresses this complexity. Our work with Mahindra & Mahindra demonstrates the maturity of our cloud technology and solutions for automotive sector challenges.”

### *Dovetail Electric Aviation adopts Siemens Xcelerator to pioneer sustainable aviation*

20 June 2024

Siemens Digital Industries Software announced that sustainable aviation company, Dovetail Electric Aviation (Dovetail), has selected the Siemens Xcelerator portfolio of software to design zero emission, battery and hydrogen-electric propulsion systems for commercial aircraft. Optimizing the principles of circular economy, the propulsion systems will be retrofitted into legacy airplanes used by regional airlines and leisure and cargo flights, helping them reduce operating costs by up to 40%, while truly decarbonizing air transportation.

Headquartered in Australia and with operations in Spain, Dovetail is currently the only company worldwide converting Cessna 208s into zero emission battery electric, and the only company designing a hydrogen-electric retrofit for the Beechcraft King Air, the most successful aircraft in its category. Dovetail recently signed Scandinavian Seaplanes as a customer and counts Regional Express (Australia), Victorian Government (Australia), Air Nostrum (Iberia’s Regional airline, Spain) and Volotea (Spain) amongst its investors or financial supporters.

NX™ X software for cloud enabled computer-aided design (CAD) will help Dovetail develop the propulsion systems and engines, creating seamless collaborative workflows between teams based in Spain and Australia. Dovetail will benefit from turning digital twin design concepts and iterations into viable prototypes more quickly, thereby saving time in design and rework.

“Whilst a lot has changed in the world of aviation, the fundamental structure of an aircraft hasn’t changed much. Therefore, it makes perfect business and sustainability sense to retrofit capable aircraft with new generation, zero emissions drivetrains that take a significant step

towards cleaner air travel. This helps us collectively achieve net zero and saves costs. As we've grown, we've realized the need to invest in software that helps us create digital twins of the propulsion systems we design, is easily accessible worldwide and increases collaboration between our design teams in Australia and Spain. Siemens' software is at the heart of our ability to deliver zero emissions air travel, whilst enabling aircraft operators to reduce operating costs by up to 40%," said David Doral, CEO of Dovetail Electric Aviation.

In addition to bringing to market a battery electric propulsion concept, Dovetail is also developing a hydrogen-electric version, including a fuel cell and a hydrogen storage system. NX X will enable Dovetail to be efficient in editing and viewing complex design models, speed up product development and more effectively manage the design process by creating a digital thread, a single source of truth, through the design process.

"Digital twins are vital when designing mission critical final products such as race cars, racing yachts, ships, space satellites and now, alternative aircraft propulsion systems. Our software has a great history and heritage of helping various companies push the boundaries and go beyond frontiers," said Samantha Murray, Managing Director, Siemens Digital Industries Software, Australia and New Zealand. "It's great to now be part of Dovetail's journey as they use technology and innovation to address the biggest challenge of our time, climate change. We talk about the importance of circular economy in economic and environmental sustainability and here's a great example of a company achieving just that using our software."

### *EQUIGY SIGNS LONG-TERM AGREEMENT WITH CAPGEMINI TO DEVELOP A MORE SUSTAINABLE AND EFFICIENT ENERGY SYSTEM ACROSS EUROPE*

13 June 2024

**Capgemini announced the signing of a long-term agreement with Equigy to develop a new decentralized energy system to manage more effectively the supply and demand of electricity across Europe. The crowd balancing platform (CBP) is a standardized and trusted data aggregator interface for small, flexible, and more efficiently distributed energy resources that support the transition to a low-carbon economy.**

Equigy is a pan-European platform launched by six leading European Transmission Systems Operators (TSOs) — Austrian Power Grid, TenneT Germany, TenneT Netherlands, Terna, TransnetBW, and Swissgrid. Renewable energy sources, like solar and wind, are intermittent and variable in nature, which can put pressure on grid stability. Equigy has addressed this challenge by creating greater flexibility through the seamless participation of small-scale distributed energy resources such as electric vehicles or household batteries.

The agreement will leverage Capgemini's deep expertise in the energy and utilities sector as well as its business and technology transformation capabilities, to build a platform that will reduce reliance on traditional centralized power plants. This will help minimize the need for expensive peak generation capacity, paving the way for a more flexible, sustainable, and efficient energy system across Europe.

Martin van 't Verlaat, Chief Technology Officer at Equigy, said, *“At Equigy, we are committed to fostering collaboration and innovation in the energy sector to accelerate the energy transition towards a more sustainable future. Collaborating with a leading business and technology transformation partner like Capgemini will enable us to develop a state-of-the-art platform that empowers stakeholders to participate in grid balancing and strengthens trust and transparency.”*

This new agreement will support TSOs and bring a range of benefits to stakeholders across Europe that include improved energy efficiency and new revenue opportunities for energy consumers and renewable energy asset owners. By promoting cross-border cooperation, digital innovation, and sustainable energy practices, it also aligns with the European objectives to drive energy transition and boost economic growth.

*“Capgemini’s long-term collaboration with Equigy will help fuel the platform’s growth and accelerate its European leadership in flexibility markets. By leveraging Capgemini’s deep expertise in energy and utilities and our wider ecosystem of key partners, coupled with our end-to-end capabilities in strategy, data and AI and technology developments, we will work hand-in-hand with Equigy to achieve its business goals. Together, we will help drive the transition towards a sustainable energy system in Europe,”* said James Forrest, Global Energy Transition & Utilities Industry Leader at Capgemini.

## ***Eviden announces SICS ALAT, the combat information system of the SCORPION program, to be embedded in the aircraft of the French Army Light Aviation by 2026***

17 June 2024

Eviden, the Atos Group business leading in digital, cloud, big data and security, announces that the French Defense Procurement Agency (DGA), via the Defense Digital Agency (AND), has entrusted it with the development and deployment of SICS<sup>[1]</sup> ALAT<sup>[2]</sup>. This system onboard the ALAT (French Army Light Aviation) aircraft is part of the French army’s ramp-up of its collaborative combat capabilities. This new information system will replace the existing systems by 2026.

SICS ALAT enables ALAT aircraft to be networked with land-based tactical information systems in an interoperable, coherent, and unified way, thus creating the SCORPION air-land tactical bubble.

SICS ALAT is a complete and unique digitalization solution for army helicopters, ensuring the continuity of the digitized command chain of air-land combat, capable of providing patrol leaders and helicopter crews with knowledge of the tactical situation in their area of interest and the rapid exchange of information in data transmission. A major technical achievement, this advanced version of SICS is designed to be fully interoperable with the original system, while adapting to the constraints specific to aeronautics: three dimensions, movement, speed, ergonomics adapted to cockpits, and security. Eviden is drawing on its experience of the SICS program and its close collaboration with the DGA, the French Army and operational crews, to meet the challenges of intuitiveness and ease of use to optimize operational acceptance of the system.

As a defense manufacturer, Eviden, through its Mission-Critical Systems (MCS) business line, designs and develops both the information system and the on-board computers that will be integrated into the aircraft to meet the challenges of the ALAT. Drawing on its experience in the design and manufacture of onboard electronics for the military aerospace industry, and its range of MLS Gateway solutions, Eviden is able to offer a computer adapted to the sizing and connectivity constraints of currently operational aircraft (2005-2010 generation), while providing tenfold increase in computing power. This design meets the challenges of availability and operational scalability for armed forces since it does not require current aircraft to be re-qualified.

SICS ALAT demonstrates Eviden MCS's ability to meet the needs of collaborative combat and digital defense with an end-to-end on-board operational solution for sharing and maintaining the tactical situation, able to communicate with its ecosystem thanks to on-board computing power.

Fabrice Laclef, Director of Mission-Critical Systems (MCS) for France, Eviden, Atos Group said: *"This unique project, which embodies the know-how of Eviden's Mission-Critical Systems business line, once again proves our expertise in defense, and demonstrates the trust placed in us by the French Army. This project is the fruit of the expertise and collaboration of various teams, to deliver a complete and innovative solution to the Army."*

## ***Hanesbrands Inc. Strengthens Wipro Partnership to Accelerate Digital Transformation***

14 June 2024

Wipro Limited, a leading technology services and consulting company, has been chosen by Hanesbrands Inc., a global leader in iconic apparel brands, to further drive its digital transformation, business growth, and enhance long term profitability.

Wipro has been a strategic partner for Hanesbrands over the years, working on several business and technology transformation programs. This deal extends the partnership to leverage Wipro's capabilities in application management, cybersecurity, intelligent automation, and artificial intelligence (AI).

As part of the deal, Wipro is responsible for defining the client's cloud roadmap and supporting the integration of business functions to help Hanesbrands optimize operations. Wipro will also bring in next-gen tools and services to improve the client's product lifecycle processes and deliver faster time-to-market.

**Subra Goparaju, SVP and Chief Information Officer, Hanesbrands Inc.** said, "Globally, we are incredibly focused on becoming a digital and data driven enterprise to drive growth and long-term profitability among our iconic brands in the Hanesbrands' portfolio. Transforming our systems with the latest technology ensures we're meeting the needs of our customers and consumers around the world. Wipro's deep understanding of our business and industry, as well as its experience in complex tech transformations, will help us realize our goals and deliver better value to our customers."

**Srini Rajamani, SVP and Head – Consumer & Life Sciences, Wipro Limited** said, “Our expertise in delivering similar transformation programs for the consumer industry in the areas of SAP Business Technology Platform and Security Operations, combined with our deep domain experience in the apparel industry in particular, will help Hanesbrands drive innovation and long-term profitability. We look forward to deepening our strong relationship by scaling with agility to include new offerings and technologies that will help Hanesbrands adapt to an evolving business landscape.”

Note: The deal was mentioned in Wipro Limited's financial results announcement press release, dated October 18, 2023, for the quarter-ended September 30, 2023, with a description of Hanesbrands, but without naming the company.

### *Lacoste Chooses Centric Visual Assortment Boards and Centric PLM to Streamline Global Assortment and Product Development*

17 June 2024

Lacoste, the iconic fashion-sport brand, has selected Centric Software’s Product Lifecycle Management (PLM) solution and Centric Visual Boards™, a visually driven assortment optimization solution. Centric Software® provides the most innovative enterprise solutions to plan, design, develop, source, buy, make, price, allocate, sell and replenish products such as fashion, outdoor, luxury, multi-category retail, cosmetics & personal care and other consumer goods to achieve strategic and operational digital transformation goals.

In a push to improve efficiency, accelerate product development and speed time-to-market, Lacoste wanted a digital solution to rationalize product information while also enabling them to leverage historic data. Specifically, they sought to adopt a single, company-wide PLM capable of streamlining the development of multiple categories of products all in the same system. With Centric PLM™, hand in hand with Centric Visual Assortment Boards, Lacoste will also accelerate and optimize the overall product offer including assortments adapted to local markets. Finally, the company wished to harmonize ways of working and capitalize on industry best-practices.

After thoroughly evaluating several vendors, Lacoste chose Centric Software because, according to them, Centric is the only solution that is truly fashion-focused and can adapt to all of their needs. Deciding factors in favor of Centric were the out of the box (OOTB), high-configurability of Centric solutions, Centric team experience and integrated industry best-practice expertise.

“We are thrilled that a global brand like Lacoste has chosen both Centric Visual Boards and Centric PLM to drive the digital transformation of their assortment optimization and product development process,” says Fabrice Canonge, President of Centric Software. “We are honored to count Lacoste, a very highly regarded name in the fashion, luxury and sport world, among our clients. Their drive for ingenuity and their high standards of excellence will push us in our goals of continuous innovation and improvement, and we look forward to partnering with Lacoste as they achieve their short and long term success.”

## *Laura Canada Powers Digital Transformation with Centric PLM*

18 June 2024

Centric Software® is pleased to announce that Laura Canada has selected Centric PLM™ to drive efficiency and speed time to market. Centric Software provides the most innovative enterprise solutions to plan, design, develop, source, buy, make, price, allocate, sell and replenish products such as fashion, outdoor, luxury, multi-category retail, grocery, food & beverage, cosmetics & personal care and consumer electronics to achieve strategic and operational digital transformation goals.

Established in 1930, Laura Canada is a distinguished family-owned enterprise specializing in women's fashion. As Laura emerged, women were entering the workforce, eager to affirm their place in all spheres, not just at home.

Today, Laura Canada continues to champion this ethos. Operating under two prominent brands, Laura and Melanie Lyne, the company expertly designs, manufactures, markets, and distributes an extensive range of clothing and accessories. Based in Quebec, Laura Canada proudly serves customers nationwide with over 140 retail locations and a robust e-commerce platform, offering a unique shopping experience rooted in human connection.

Seeking to improve efficiency and speed time to market, Laura Canada decided to invest in a best-of-breed PLM solution as part of a complete digital restructuring project.

“We were relying on outdated and disconnected PLM and ERP systems that did not communicate with each other,” explains Gianni Rino, VP Info Tech, at Laura Canada. “Too much information was held in people's heads, and we always had to check on the latest updates and revisions. We needed a complete revamp of our digital process to achieve uniformity and a single version of truth.”

Laura Canada selected Centric PLM because of Centric's apparel expertise, as well as the solution's configurability and ease of use. The breadth and depth of Centric PLM provides a 'one-stop-shop' solution that will serve them in multiple functional areas.

With Centric PLM in place, Laura Canada is expecting to enhance data accuracy, and to be able to quickly develop comprehensive tech packs as well as improve communication with vendors across the globe. They also wish to improve inter-departmental efficiency and boost visibility at all levels of the company.

“As part of our complete digital restructuring, Centric is the core solution to manage data and federate essential data to other systems,” says Tanya Papadopoulos, VP Merchandising, at Laura Canada. “Having a solution that manages all the data across the design, development, sourcing and production departments gives greater visibility across the product lifecycle and creates a more efficient process to bring products to market faster. The data is much more precise as there is only one version of the truth. There is a history of changes and updates which allows for audits and course correction if required.”

“We are excited to welcome Laura Canada to the Centric family,” says Fabrice Canonge, President of Centric Software. “Laura Canada is going through an ambitious behind-the-scenes

digital overhaul that will bring great benefits in terms of efficiency and growth. We are very happy to partner with the Laura Canada team to achieve their goals.”

### *Reformation Joins Forces with Centric Software*

20 June 2024

Centric Software® is pleased to announce that global sustainable fashion brand Reformation has selected Centric PLM™ and Centric Visual Boards™.

Founded in Los Angeles in 2009, Reformation has long been a pioneer in sustainable fashion. The brand is famous for combining vintage-inspired designs with sustainable business practices, releasing twice-weekly limited-edition collections online and in stores. The brand has also established itself as a leader in retail innovation, pioneering a proprietary tech-enabled store concept that brings the best of its online experience to its 40+ physical doors.

The company decided to pursue full digitization of internal processes to support its ongoing growth trajectory and future scale. After an extensive assessment of Product Lifecycle Management (PLM) vendors, Reformation chose Centric Software as their innovation partner. Reformation will implement Centric PLM including the Visual PLM Assortment Board, part of the Centric Visual Boards family of next-generation visual collaboration tools.

“Centric has an easily configurable system that suits our needs,” says Linh Ha, Product Manager at Reformation. “Seeing how all the information on our raw materials, sustainability and finished products could be in one place and speak to each other was a real ‘aha’ moment. PLM allows us to easily track every element of a product back through the supply chain and manage vendor certifications and audits. The ability to easily integrate Centric with our existing purchase order, PIM and 2D and 3D design solutions is also a major plus.”

“We are really impressed with Centric Visual Boards and couldn’t find any other vendor that offers that capability,” adds Abhijeet Dudi, VP of Product Management at Reformation. “Merchandising seasons don’t work the same way as product development seasons, but Centric Visual Boards connect the dots between them and will enable the product development team to define our own seasonality based on the merchandising plan.”

“We are very pleased that Reformation has chosen to partner with us for both Centric PLM and Centric Visual Boards,” says Fabrice Canonge, President of Centric Software. “Reformation is growing rapidly and needs the right tools to fulfil their mission of producing sustainable, high-quality clothing. We look forward to working further with the Reformation team to drive greater efficiency and achieve their goals.”

### *RHI Magnesita Refines Technology Landscape with RISE with SAP*

13 June 2024

SAP SE announced that RHI Magnesita, has chosen the RISE with SAP solution to rebuild and streamline its technology infrastructure for continued growth in the refractory industry.

A global leader in refractories, RHI Magnesita provides essential parts of the infrastructure that we use and need in our everyday lives. Supplying high-grade refractory products, systems and

solutions, RHI Magnesita has 47 main production sites across the world, and ships its products to more than 100 countries.

With its vision to sustainably manage heat to build a better world, RHI Magnesita needed a technology foundation that would allow end-to-end interaction across its customers, suppliers and business partners across all geographies, end markets and product lines. Choosing to implement a multi-tier landscape consisting of both SAP S/4HANA Cloud Private Edition and SAP S/4HANA Cloud Public Edition, RHI Magnesita is now equipped to redefine all its technology processes and landscape.

Ticiana Kobel, Executive VP Legal & Digital Transformation at RHI Magnesita, stated, “With the revamped digital landscape that we will shape together with SAP, RHI Magnesita will transform into a digitally fortified company, centered around our customers and driven by data. The transition to SAP S/4HANA Cloud marks a pivotal moment in RHI Magnesita’s journey toward unparalleled efficiency, agility, and innovation which will enable us to unlock real-time insights, streamline operations, and enhance decision-making across our global network.”

With SAP S/4HANA Cloud, RHI Magnesita will have one unified view of its operations and supply chain, reducing its infrastructure footprint, and poises itself for better integration of future acquisitions while delivering cost savings.

“RHI Magnesita is embarking on a true digital transformation that will see the streamlining of several landscapes that will allow it to leverage the cost savings, scalability and flexibility that comes with moving to the cloud,” said Alexander Klaeger, President of SAP MEE. “Already a leader in the industry, I’m excited to see RHI Magnesita use SAP S/4HANA Cloud to sustainably provide infrastructure the world needs.”

## Product News

### *ActCAD 2024 New Version 121322 Released, Dt.19 Jun, 2024*

19 June 2024

ActCAD 2024 new update 121322 released for products Standard, Professional, Prime, Map Drafter and Nesting. This is a general maintenance release with below mentioned fixes:

- Added MKSHAPE command
- Added MKLTYPE command
- Fixed crash issue after changing wall length
- Fixed AcGeVector2d 0 length issue in ICARX API
- Fixed AcGeVector3d 0 length issue in ICARX API
- Improved speed of hatch boundary recognition
- Fixed certain crash issue during application exit
- Fixed certain crash issue with IRX api exit

- Fixed hanging issue of a viewport while panning
- Fixed Table stretch preview issue
- Fixed certain error during SOLIDEDIT command
- Fixed out of memory error while handling OLE
- Fixed SHX file issue during MKSHAPE command
- Fixed issue with Follow option in ARC command
- Fixed standard scale display issue of viewport
- Fixed crash issue with find and replace of certain pattern

## *Altair One® Cloud Innovation Gateway Now Available on Google Cloud Marketplace*

17 June 2024

Altair, a global leader in computational intelligence, announced that Altair One®, Altair's cloud innovation gateway, is now available on Google Cloud Marketplace, opening up a world of possibilities for users seeking seamless access to powerful simulation, data analytics, and high-performance computing (HPC) capabilities.

Altair One is designed for collaborative engineering, data engineering, and analytical application development. Built on a robust HPC backbone, Altair One provides seamless, unified access to tools, data, and computing resources while unleashing the power of artificial intelligence (AI) across every step of the product development life cycle.

Google Cloud Marketplace customers can now leverage Bring Your Own Cloud (BYOC) functionality to run Altair simulation, AI, and data analytics applications.

"The integration of Altair One with the Google Cloud Marketplace empowers Google Cloud users to effortlessly unlock a world of innovative solutions. This collaboration will fuel engineering breakthroughs with the power of Google Cloud's adaptable, flexible, and scalable cloud infrastructure," said Sam Mahalingam, chief technology officer, Altair. "This integration aligns perfectly with our core mission of equipping businesses for digital success and making powerful software solutions readily accessible to users."

"Bringing Altair One to Google Cloud Marketplace will help customers quickly deploy, manage, and grow the platform on Google Cloud's trusted, global infrastructure," said Dai Vu, managing director, Marketplace and ISV GTM Programs, Google Cloud. "Altair can continue to securely scale and support customers on their digital transformation journeys."

Altair One is the gateway that empowers organizations to mature into digital enterprises by breaking down data silos, connecting virtual models, optimizing their compute infrastructure, and digitizing key processes. It provides all the tools to create a "One Total Twin" of a product throughout its lifecycle, "One Traceable Thread" connecting all data stages, and a "Single Source of Truth" for all models and data. This all-in-one platform automates data capture, empowers better decision-making, enhances performance management, and ultimately accelerates engineering processes for a seamless digital experience.

## *Ansys Debuts ConceptEV to Boost Electric Vehicle Drive Range*

20 June 2024

Ansyes announced the availability of a new SaaS cloud-native offering, Ansys ConceptEV. The solution enables component and system engineers to work together on EV powertrain concept designs through a model-based approach — facilitating early design decisions for improved EV driving range and battery charge times, lower development costs, and faster time-to-market.

EV powertrains are complex systems comprised of core functional components including the battery, inverter, motor, and transmission. To develop the most efficient powertrain, the components must be designed and optimized as part of the system, not separately. A system-level design approach is crucial to increasing the driving range and efficiency of EVs while decreasing the cost.

ConceptEV is a first-of-its-kind, accessible solution capable of linking component designs to system-level requirements. Specification and component design changes are easily implemented and traceable, empowering users to rapidly evaluate and quantify system trade-offs for the optimal powertrain design. The model-based approach facilitates rapid analysis of the complete system against requirements, reducing errors, saving time and costs, and informing smarter decisions earlier in the development process.

“Ansys ConceptEV promises to be a critical advancement for the electric powertrain industry,” said John Reeve, technical director, FluxSys Ltd. “Focusing on optimizing the complete powertrain rather than individual sub-systems will increase our productivity and accelerate innovation. ConceptEV is approachable, collaborative, scalable, and will help us meet the growing demand for performant EV powertrain systems.”

“ConceptEV is flipping the script on traditional EV powertrain workflows and enabling customers to pursue a more robust, data-driven result,” said Shane Emswiler, senior vice president of products at Ansys. “The solution brings together cross-functional teams in an open environment that encourages collaboration and knowledge sharing to foster innovation. The powertrain is the heart of a vehicle’s performance, so having the right tools to optimize its design to make it lighter, more durable, and more cost-effective is critical.”

## *Ansyes Enables 3D Multiphysics Visualization of Next-Generation 3D-IC Designs with NVIDIA Omniverse*

19 June 2024

Ansys announced that it is adopting NVIDIA Omniverse application programming interfaces (APIs) to offer 3D-IC designers valuable insights from Ansys’ physics solver results through real-time visualization. Ansys is ushering in the next generation of semiconductor system design to improve outcomes in applications including 5G/6G, Internet of Things (IoT), artificial intelligence (AI)/machine learning (ML), cloud computing, and autonomous vehicles.

3D-ICs, or multi-die chips, are vertically stacked assemblies of semiconductor chips. A 3D-IC’s compact form factor offers significant performance gains without increasing power

consumption. However, denser 3D-ICs complicate design challenges related to electromagnetic issues and the management of heat and stress. It also makes tracing the origins of these problems more difficult. To understand the interactions between 3D-IC components for more advanced applications, 3D multiphysics visualization becomes a requirement for effective design and diagnostics.

Ansys' integration of NVIDIA Omniverse, a platform of APIs for developing OpenUSD- and NVIDIA RTX-enabled 3D applications and workflows, will deliver the real-time 3D-IC visualization of results from Ansys solvers, including Ansys HFSS™, Ansys Icepak™, and Ansys RedHawk-SC™. This will help designers interact with 3D models to evaluate critical phenomena like electromagnetic fields and temperature variations. This interactive solution allows designers to optimize next-generation chips to deliver faster data rates, increased functionality, and improved reliability.

“Advanced manufacturing relies on marrying the physical world with the digital,” said Prith Banerjee, chief technology officer at Ansys. “At Ansys, we are harnessing the power of the NVIDIA Omniverse platform to comprehensively simulate and design everything — from tiny semiconductors to the expansive factories where they are produced. Ansys tools, such as RedHawk-SC, already offer visualization features, which are integrated with Omniverse to unlock a new realm of potential”

In addition to integrating Omniverse, RedHawk-SC is now accelerated by NVIDIA Grace CPU Superchips, helping it deliver more performant multiphysics designs.

“Accelerated computing, AI physics, and physically based visualization will drive the next era of industrial digitalization,” said Rev Lebedian, vice president of Omniverse and simulation technology at NVIDIA. “Ansys semiconductor solutions connected to Omniverse Cloud APIs will help accelerate the electronics ecosystem’s design and engineering processes.”

## *Honeywell Revolutionizes Large-Scale Battery Manufacturing With Automation Software*

11 June 2024

Honeywell announced the launch of its Battery Manufacturing Excellence Platform (Battery MXP), an artificial intelligence (AI)-powered software solution designed to optimize the operation of gigafactories from day one by improving battery cell yields and expediting facility startups for manufacturers.

With traditional standalone solutions, battery manufacturers' material scrap rates can be as high as 30% at steady state and even higher during the facility startup process<sup>ii</sup>. This practice can lead to millions of dollars of wasted energy and material while a gigafactory slowly scales to a more efficient and profitable production over several years.

Battery MXP incorporates AI techniques in the manufacturing process, which enables the detection and remediation of quality issues before they result in scrapped material. The solution then utilizes machine learning to identify conditions that lead to quality issues and

turns this data into action-oriented insights that manufacturers can use to improve efficiency and productivity.

By delivering powerful data that can improve quality control and decision making on the plant floor, Battery MXP is designed to help manufacturers cut production ramp-up time, reduce startup material scrap rates by 60% and increase delivery rates to meet the growing demand for lithium-based batteries.<sup>iii</sup>

"With Honeywell's Battery MXP and its automation capabilities, we will be able to quickly and effectively establish a foundation for our network of gigafactories," said John Kem, president of American Battery Factory. "This solution is vital in our manufacturing operation because it allows us to reduce scrap and scale up quickly, while also ensuring we meet the U.S. and international demand for high quality lithium iron phosphate batteries as we prepare for the unprecedented surge expected over the next decade."

By providing bidirectional traceability and genealogy, Battery MXP tracks battery cells from raw material to finished product in real time, helping to ensure product quality at every step. The solution also helps to address other key challenges faced by battery manufacturers by offering solutions for process controls, workforce management and thermal runaway battery fire prevention. These safety elements aid both operators in the gigafactory and end-users of the batteries to stay safe.

"The electrification of everyday life continues to increase global demand for quality lithium-ion batteries to power electric vehicles, consumer electronics and battery energy storage systems," said Pramesh Maheshwari, President of Honeywell Process Solutions. "With the construction of more than 400 gigafactories planned worldwide by 2030, Honeywell's Battery MXP is a crucial technology that enables manufacturers to maximize cell yields and reach peak production much quicker than traditional methods."

The use of automation to advance the world's electrification journey supports Honeywell alignment of its portfolio to the automation and energy transition megatrends. As a key player in the global energy transition, Honeywell is applying its complete portfolio in industrial automation, cyber secure IoT (Internet of Things), material handling, building automation and safety solutions to help battery manufacturers bring reliable products to the market as quickly as possible to meet the projected demand for battery cells.

### *International TechneGroup, Inc. Unveils CADfix PPS 5: The Smarter And Faster Solution For Plant And Process Model Simplification*

18 June 2024

International TechneGroup Incorporated (ITI), International TechneGroup, Inc. (ITI), a global leader in CAD model simplification and data translation solutions, proudly announces the release of CADfix PPS 5. This latest version of our flagship product introduces a suite of groundbreaking features and performance enhancements, solidifying CADfix PPS as the premier solution for plant and process model simplification.

CADfix PPS 5 brings unprecedented efficiency and precision to the simplification of complex equipment models. Key features include:

- Revolve simplification - reduces complex parts to simplified revolved solids
- Extrude simplification - converts complex parts to extruded sections and removes details
- Thread simplification - automates the simplification of threaded components to basic solids
- Optimized floor grill simplification - reduces complex floor grills and gratings to basic solids
- Centerline network identification - automatic detection and preservation of centerline networks, ensuring the integrity of flow paths and pipe networks in simplified models
- Preservation of connectors and nozzles - intelligent algorithms ensure that essential external connectors are maintained.

The new simplification tools in CADfix PPS 5 deliver outstanding reductions in model complexity and resulting file size. The enhanced simplification techniques mean that even the most detailed solid models can now be simplified effectively. Thanks to new tools such as the intelligent revolve and extrude simplification, users can achieve significantly higher face count reductions, leading to greater file size reductions, which improve manageability and performance in downstream applications.

Not only is CADfix PPS 5 achieving greater levels of model simplification, but it sets new benchmarks for processing speed and efficiency. The new release sees dramatic speed increases, with an average speed-up of three to five times over previous simplification times, and in some cases even higher performance gains. On average, the processing times have been slashed by 65% to 90%, allowing engineers to complete projects faster and more efficiently.

User experience and model analysis is enhanced in CADfix PPS 5 with the introduction of powerful new tools. The new Before/After comparison tool allows users to overlay and toggle between original and simplified model views, making it easier to assess the impact of simplification. A new small body size histogram utility provides a comprehensive assessment of body sizes within large models, enabling the selection of optimal values for auto-simplification.

Andy Chinn, Director at ITI, expressed his excitement, saying, “We are thrilled to launch CADfix PPS 5, a new product release that takes another massive step forward in large CAD model simplification. The incredible speed increases, significant size reductions, and innovative new tools will empower our customers to streamline their workflows and achieve unprecedented efficiency. This release marks a major milestone for ITI, and we are excited to see the transformative impact it will have on the industry.”

## *Introducing HxGN APM from Hexagon: a revolutionary solution to optimize asset management strategies*

18 June 2024

Hexagon, the global leader in digital reality solutions, combining sensor, software and autonomous technologies, announced the availability of **HxGN APM**, a comprehensive solution for asset-intensive organizations seeking to identify and mitigate asset risk, optimize maintenance spend and minimize downtime. This robust application optimizes asset strategies, detects emerging failure risks in real time and drives proactive risk mitigation that directly enhance return on capital employed.

In April 2024, Hexagon expanded its portfolio by **acquiring Itus Digital**, an asset performance management (APM) solution provider based in Roanoke, Virginia. Now operating as part of Hexagon's Asset Lifecycle Intelligence division, the acquisition brings to Hexagon more than 250 years of asset performance management industry experience enabled through the innovative HxGN APM technologies. The solution's distinct approach leverages a modern architecture, best practice work processes and advanced analytics enabled by an extensive, embedded strategy library.

HxGN APM offers an advanced analytical and optimization engine to solutions like **HxGN EAM**, **HxGN SDx** and **j5**. This operationalizes asset strategies that carefully strike a balance between performance, cost and risk, which aligns with Hexagon's commitment to driving sustainable, data-driven transformations in asset-intensive industries.

Hexagon's solution empowers customers by driving a pragmatic approach to identifying potential threats, mitigating risks and extending asset lifecycles. HxGN APM delivers these key benefits to clients:

- Optimizes asset value by aiding customers in balancing performance, cost and risk through the operationalization of asset strategies.
- Enables proactive work processes to continually analyze asset failure risk and drives maintenance, inspections and monitoring activities based on actual condition and health.
- Ensures rapid failure detection and prevention by using the embedded Asset Twin Library, offering pre-set asset strategies and analytics for predicting potential failures before they happen.

HxGN APM stands unique from its competitors thanks to its modern and intuitive application processes, easy integration with existing systems and scalability to align with an organization's functional needs. Whether monitoring 25 assets or 1 million, Hexagon's infrastructure effortlessly scales to meet requirements.

"The addition of HxGN APM to Hexagon's portfolio provides enhanced analytical insights across the asset lifecycle, enabling organizations to maximize the delivery capability of their industrial assets at an optimal cost and risk profile," said Joe Nichols, vice president, Portfolio Strategy for APM, Hexagon's Asset Lifecycle Intelligence division.

“Hexagon’s entrance into the APM market aligns seamlessly with the surging demand for APM solutions and mirrors a broader trend among industrial asset maintenance software vendors, which are increasingly undertaking acquisitions to differentiate themselves in the market,” said Kiran Darmasseelane, senior analyst in the Operational Excellence practice at Verdantix, an independent research firm. Verdantix expects substantial growth in the APM software market. The recent **Verdantix market size and forecast report on APM software** predicts that the market will grow from \$2.5 billion in 2022 to just under \$5 billion in 2028, at a CAGR of 11.9%, while the recent **Verdantix global corporate survey** reveals that 54% of the 304 executives interviewed plan to increase investment in APM software over the next 12 months.

Asset performance management software ensures optimal asset strategies are implemented and dynamically managed based upon the actual condition and operating context of plant assets. The growing trend of digital transformation is driving increased adoption of APM solutions. Overall, APM solutions continue to play a crucial role in managing assets effectively and efficiently, thus optimizing total cost of ownership.

*Launched today: Infosys Aster™ – The AI-amplified marketing suite that delivers engaging brand experiences, enhanced marketing efficiency, and accelerated business growth*

18 June 2024

Infosys, a global leader in next-generation digital services and consulting, announced the launch of Infosys Aster™ – a set of AI-amplified marketing services, solutions and platforms that deliver engaging brand experiences, enhanced marketing efficiency, and accelerated effectiveness for business growth. It drives AI-led transformation of marketing with integrated, real-time view across customers, brands and channels, enabling companies to increase ROI from marketing. With creative services, experience design, digital commerce, MarTech orchestration, performance marketing and marketing operations, Infosys Aster™ brings agility to the marketing value chain for B2B and B2C brands. With Infosys Aster™, global brands have realized up to 50% increase in repeat buyers, 30% improvement in the cost of marketing operations, and 40% increase in sales.

**Deliver Engaging Brand Experiences:** Infosys Aster™ delivers lasting connections with its human experience design approach amplified by the power of technology. Utilizing advanced technologies like real-time Unreal Engine 3D, AR/VR/XR, and digital twin CGI modeling, it delivers immersive experiences that foster customer intimacy. By taking advantage of AI-powered customer and marketing data platforms, it enables brands to unlock insights from data while also drawing on the power of ecosystems to deepen omnichannel engagement. For example, as the creative partner for an international racing giant, Infosys Aster™ created a holistic digital ecosystem – with compelling visual experiences that were highly customized for user groups – to boost engagement. Taking advantage of a dynamic content engine along with a simple ticketing system, Infosys Aster™ helped the business turn millions of fans into lifelong customers.

**Enhance Marketing Efficiency:** Infosys Aster™ combines gen AI-amplified content and creative services, intelligent recommendations from the MarTech stack, and marketing insights to deliver cost-effective campaigns faster. It also boosts efficiencies through marketing shared services by centralizing and automating content and design operations, reducing time and cost to activate campaigns. The suite's AI capabilities, powered by Infosys Topaz™, help brands improve channel efficiencies by analyzing performance data and adapting strategies in real time. For example, a global health-tech company took advantage of Infosys Aster™ to accelerate their campaign management cycles – from setup to execution for 80+ markets driving savings in cost of operations.

**Accelerate Effectiveness for Business Growth:** Infosys Aster™ helps businesses create shared digital foundations, by integrating MarTech and enterprise systems, to create new avenues to value for sales and marketing. AI-driven analytics and customer insights help marketers increase customer lifetime value by personalizing outreach, nurturing meaningful conversations, and garnering high-quality leads. This supports brands in driving effective lead-generation campaigns, marked by better cross-sell and up-sell opportunities. Marketers can also capture demand and nurture repeat purchases with the suite's real-time recommendations based on customer behavior. Predictive insights also help in influencing pricing strategies. For example, a retail chain used AI-amplified insights from Infosys Aster™ to develop their app-based promotional loyalty program that resulted in sales boost for them. The digital commerce platform, integral to Infosys Aster™, has a proven record in shaping e-commerce as an enterprise growth-lever.

**Satish H C, EVP and Co-head of Delivery, Infosys,** said, “Our clients want to tap into new avenues of growth, while deepening customer intimacy, efficiently, in near-real time. They understand the role that modern agile marketing, enabled by data and AI, can play to accelerate their strategy and disintermediate execution. Infosys Aster™ helps our clients' marketing organizations master the duality of marketing effectiveness and marketing efficiency to truly transform into customer-champions and growth-partners.”

“Businesses need marketing to be their core engine for reimagining customer experience and driving growth. In the era of AI-first enterprise transformation, CMOs have a unique opportunity to be the true C-Suite partner and orchestrator of value across the organization,” said **Sumit Virmani, EVP and Global Chief Marketing Officer, Infosys.** “At Infosys, we count on AI to amplify our capabilities – deepen brand experiences while driving effectiveness and efficiencies. We know that Infosys Aster™ – the same AI-amplified services, solutions and platforms that delivers value for us – can transform marketing into the powerful growth engine CMOs need for it to be.”

**Peter Bendor-Samuel, Founder & CEO, Everest Group,** said, “AI presents immense value to marketers, from driving hyper personalization to promising enhanced efficiencies and effectiveness across insights generation, creative workflows, and customer support. This is enabling marketers to not only glean productivity improvements, but also drive growth mandates. This journey is best enabled by partnering with a service provider that brings together strong tech capabilities with a deep understanding of the marketing domain. Infosys

Aster's AI-led marketing capabilities, coupled with Infosys' experience of driving marketing and experience transformations, is well positioned to serve the needs of progressive marketers."

Infosys Aster™ has nurtured best-in-class digital agencies, proven AI capabilities, deep industry experience, decades of delivery excellence and a diverse partner ecosystem. WongDoody, Infosys' creative digital innovation agency, brings together unique capabilities in creative consulting, experience design, immersive experiences, and future-proof marketing. Infosys Aster™ uses the AI and gen AI capabilities of Infosys Topaz™ in a 'responsible by design' approach to amplify marketing capabilities and enhance effectiveness of the function. Infosys' deep industry experience and expertise in connecting the complex enterprise ecosystem to the customer facing marketing function, while managing organizational change, helps CMOs achieve strong business impact. With over 350 global awards, 20+ design studios, 50+ partners, and 400+ marketing assets including use cases, solutions, and platforms, Infosys Aster™ is accelerating experience, efficiency, and effectiveness for B2B and B2C marketers globally.

**Björn Schick, Chief Experience Officer and Member of the Executive Board, smart Europe GmbH**, said, "At smart Europe, we share a similar value set with our strong partner Infosys Aster™, which prioritizes the individual customer experience thanks to sustainable concepts and the appropriate use of technology. In today's dynamic digital landscape, smart must secure a strong presence to connect with customers at every touchpoint. Infosys' human-centered design studio, WongDoody, has developed a performative 3D digital twin-based platform for us. This platform creates personalized customer journeys with our vehicles, enhancing the experience and unlocking new creative possibilities with gen AI. It simplifies and economizes the production of on-demand personalized visual content, increasing our flexibility to present and promote our brand and its growing product portfolio effectively to customers worldwide."

"Infosys Aster™ is bringing expertise to help us reimagine, engineer, and activate best-in-class omnichannel experiences for our customers, partners, and prospects enabling them to quickly access the relevant and up to date information they need. We see the potential of AI to amplify these capabilities and significantly raise the bar in the delivery of personalized content, ensuring predictability of engagement. We are elevating the way we connect with our customers and how our customers connect with us," said **Tom Portman, Group VP, Online Transformation and Group Head of Digital Channels, ABB**.

### *Medidata Launches Clinical Data Studio, Leveraging AI to Modernize the Data Experience in Clinical Trials*

18 June 2024

Medidata, a Dassault Systèmes brand and leading provider of clinical trial solutions to the life sciences industry, announced the launch of Medidata Clinical Data Studio, a unified experience that unlocks the true power of clinical research data. This groundbreaking technology gives stakeholders greater control over the quality of data and the ability to deliver safer trials to patients faster.

Built on the industry's only unified platform, Clinical Data Studio integrates data from both Medidata and non-Medidata sources, accelerating decision-making across the full clinical trial

process and delivering holistic data and risk strategies that connect patients, sites, and sponsors. Through AI, study teams can more effectively identify potential data issues and safety signals, resulting in a more accurate understanding of the patient. This reduces the challenges posed by siloed data systems and enables action data review and reconciliation up to 80 percent faster.

“Clinical Data Studio unlocks the broad ecosystem of clinical data. Powered by embedded AI, we are democratizing access to data and revealing the signals, risks, and insights that matter most. Together this accelerates trial execution and creates rich data for new discoveries,” said Tom Doyle, chief technology officer, Medidata.

Clinical Data Studio offers a comprehensive workspace for data integration, transformation, and management. It includes AI-assisted data reconciliation and anomaly detection, self-serve data listings, robust risk-based quality management, and tools to implement a holistic data and risk strategy supported by workflows and visualizations.

“As data volume and sources grow exponentially, managing this data and garnering real-time insights is becoming increasingly complex. Not only is this impacting time-to-market, but it is also delaying the timely delivery of therapies to patients, thus impacting patients' lives,” said Dr. Nimita Limaye, research vice president, Life Sciences R&D Strategy and Technology, IDC. “By enabling users to manage all their data, both Medidata and non-Medidata data, in one place, Medidata Clinical Data Studio has the potential to disrupt the industry by accelerating clinical trials and getting therapies to patients faster.”

### *Netskope Empowers Organizations To Embrace Modern Collaboration and Productivity While Safeguarding Critical Data with Google Workspace*

12 June 2024

Netskope, a leader in Secure Access Service Edge (SASE), announced that it has joined the Google Workspace Security Alliance to extend security and data protection for Workspace users. The Netskope One Platform provides a number of advanced security capabilities that protect data, defend against threats, and ensure users have fast and secure access to Google Workspace productivity and collaboration tools, including Gemini for Workspace.

As organizations increasingly adopt cloud technologies to drive innovation and efficiency, they are also challenged to secure sensitive data from a range of cyber risks, including:

- Ongoing increases in the number of users uploading sensitive data to personal instances of cloud applications
- New and evolving threat techniques such as abuse of certain applications for critical data access, back doors, and financial gain; compromise of credentials to access critical business data; insider threats; and more
- Data exposure from the insecure use of both managed and unmanaged AI-based productivity tools

Netskope and Google Workspace empower organizations to embrace modern collaboration and productivity by enabling the secure use of AI-based productivity tools. Netskope provides advanced data loss prevention (DLP) techniques, delivering real-time visibility and control over users, data, and corporate vs. personal cloud instances. In addition, Netskope's comprehensive threat protection through both API and inline controls detects threats in Google applications and monitors data movement and threat propagation between Google Workspace apps and third-party ecosystem applications.

"Netskope is proud to expand its partnership with Google Workspace by joining the Workspace Security Alliance. There are already thousands of customers using Netskope to safeguard their Google Workspace applications, and this new partnership further enhances the secure usage capabilities for application specific data protection policies," said Andy Horwitz, VP, Global Partner Ecosystems, Netskope. "Together, Netskope and Google Workspace can help customers modernize their productivity stack. We look forward to helping customers safely optimize their employees' daily productivity."

The Netskope and Google Workspace partnership enables organizations to embrace collaboration and productivity while safeguarding critical data. Joint customers can now more effectively:

- **Support best practice use of Gemini for Google Workspace:** Leverage real-time user coaching to help enforce best practices in application usage. Organizations can gain visibility into data movement to minimize sensitive information sharing while achieving data compliance objectives.
- **Protect sensitive data:** Detect and manage access to sensitive data within Google Workspace applications, enforcing policies to prevent unauthorized data movement across platforms, including third-party services like Microsoft OneDrive, Box and Dropbox.
- **Stop insider threats like data exfiltration:** Prevent the download of sensitive data from Google Workspace business instances and then the upload to personal instances, which is one of today's top reasons for data loss. Additionally, apply this control to unmanaged devices: allow unmanaged or personal device access to a specific cloud app for collaboration, however, do not allow downloading of sensitive data.
- **Detect and stop elusive threats and malware:** Protect against malware and phishing delivered from the cloud. Netskope's multi-layered advanced threat protection (ATP) enhances security within Google Workspace and across cloud applications.
- **Maintain compliance in Google Workspace:** Ensure that organizations can adhere to regulations and meet compliance needs by enforcing security policies within Google Workspace.

"By partnering with Netskope, a leading SASE vendor, customers can confidently expand their Google Workspace adoption leveraging their existing IT infrastructure investments," said Nikhil Sinha, Group Product Manager, Google Workspace. "Netskope instance awareness enables fine grained data governance policy differences to both corporate and personal Google Workspace

accounts. We are excited to partner with Netskope to provide these advanced security capabilities to our customers.”

## *OpenText Cloud for Government Solution Achieves FedRAMP Authorization*

14 June 2024

OpenText™, the information company™, announced it has achieved “fully authorized” status by the Federal Risk and Authorization Management Program (FedRAMP) for its Cloud for Government solution in the United States which now includes OpenText Extended ECM and OpenText AppWorks, two core products within the OpenText Content Cloud portfolio. The FedRAMP program promotes the adoption of secure cloud services across the federal government by providing a standardized approach to security authorization for cloud service offerings.

Modernization of legacy systems and ever-evolving cyber security threats are among the challenges often faced by government agencies. These are critical to delivering a “total citizen experience,” one of several key initiatives driven by the U.S. Government to digitize its services and provide citizens with transparent and convenient access to information and services anytime, anywhere. Leveraging cloud-based information management, federal agencies can modernize applications, strengthen cybersecurity, digitize records, provide exceptional citizen experience, and migrate more workloads safely to the cloud. FedRAMP plays a crucial role in enabling the adoption of cloud computing within the federal government while ensuring the security and protection of sensitive data.

“The availability of FedRAMP authorized information management cloud solutions from OpenText validates our commitment to helping U.S. government agencies digitally transform how they work to deliver an intelligent total citizen experience,” said Muhi Majzoub, EVP and Chief Product Officer at OpenText. “As an important step in the government’s modernization journey, the solution extends the modern, cloud-optimized benefits of information management to federal agencies while adhering to ever-tightening and constantly changing security requirements.”

With OpenText Cloud for Government, federal agencies can automate workflows and manage all forms of content throughout the entire content lifecycle — digitizing record files, creating a content ecosystem and gaining a complete view of content across all channels. While also strengthening security, compliance, and control, Cloud for Government will enable federal agencies to deliver a faster and more transparent service. Cloud for Government’s information management and low-code process automation will enable federal agencies to work and collaborate seamlessly. The solution combines content storage and document organization with archiving, content management, and imaging in a FedRAMP-compliant cloud environment.

“Government agencies have been wrestling with content management challenges for years,” said Adelaide O’Brien, Research Vice President, IDC Government Insights. “Having OpenText information management and process automation tools authorized by FedRAMP provides government CIOs new options for high-security, low-risk flexibility to accelerate their migration to the cloud.”

The Cloud for Government solution offers government agencies a bundled solution to deliver digital cloud services. This includes:

- Extended ECM is an enterprise content management solution that securely governs the information lifecycle by integrating with leading enterprise applications, such as Microsoft® 365. Bringing content and processes together, Extended ECM provides access to information when and where it is needed, improves decision-making and drives operational effectiveness.
- AppWorks is a low-code development platform for building smart, engaging and easy-to-deploy process automation and dynamic case management applications. AppWorks helps re-engineer business processes around customer, employee and partner needs to deliver seamless digital experiences, adapt to changing market expectations, improve efficiency and manage risk.

This solution joins two other OpenText cloud-based solutions on the FedRAMP marketplace:

- OpenText Fortify on Demand performs security assessments of application code, websites and APIs without any software to install or manage. Fortify on Demand helps government agencies adhere to internal risk management policies and government mandates. Fortify also allows agencies to perform automated software composition analysis to identify open-source components and other third-party software in an application, generate software bill of materials, and take control over the security of their software supply chain materials, and take control over the security of their software supply chain.
- OpenText IT Management Platform (ITMX) allows federal agencies to deliver dependable, mission-critical services to citizens and employees while maximizing the value of their IT budgets. ITMX delivers unified IT Service & Asset Management, Universal Discovery & CMDB, and Project & Portfolio Management so federal agencies can identify IT service delivery problems faster; resolve incidents, support tickets and service requests quicker; and manage IT changes, projects and portfolios more reliably.

OpenText is trusted and relied on by the world's largest governments and helps over 3,700 public sector customers globally to address critical IT needs and public sector mandates.

### *PROCAD 2025 Released!*

12 June 2024

We're pleased to announce the release of Version 2025 of all the PROCAD 2D and 3D products.

The new release includes the **PROCAD Plus Version**, which has a built-in AUTOCAD® OEM 2025, and the **PROCAD Standard Version**, an add-on to your existing AUTOCAD 2020 through 2025.

We've added many enhancements to the new version to make it a more powerful tool for your plant design.

## *Sage Increases Efficiency and Improves Scalability for Distributors and Manufacturers*

11 June 2024

Sage, the leader in accounting, financial, HR, and payroll technology for small and mid-sized businesses launches Sage Distribution and Manufacturing Operations (SDMO) in the United States and South Africa. SDMO provides complete visibility and control of the purchasing, production, inventory, and sales processes of small to mid-sized distributors and discrete manufacturers, helping them drive efficiency, productivity, and growth.

SDMO is designed specifically for the manufacturing and distribution sectors and uses cloud-native technology to provide a single dedicated place to manage operations and financials. It helps organizations automate and smoothly manage complex tasks using modern capabilities such as real-time materials resource planning (MRP), dynamic work orders and digital calendars. SDMO provides organizations with the adaptability and agility they need to quickly plan for and respond to changes in demand and supply due to market volatility and supply chain issues. By embedding industry best practices, advanced multi-site inventory management, and powerful reporting with industry-specific KPIs and dashboards, SDMO helps reduce the noise, enabling companies to better understand where to prioritize resources and support.

"Whether you are a smaller regional specialist manufacturer or a growing multi-national midsized operation, access to real-time information is crucial for effective decision-making in the distribution and manufacturing sectors," **says Rob Sinfield, SVP Product at Sage.** "SDMO provides the flexibility and resilience needed to navigate volatile economic conditions, simplifying complexities and enhancing operational efficiency. This allows business leaders to adapt quickly and focus on growth-driving areas. Whether integrated with Sage Intacct or used as a standalone solution, SDMO promotes collaboration and innovation, driving productivity, resilience, and growth for all stakeholders."

### **Innovating to Transform SME Manufacturing and Distribution Processes**

SDMO supports diverse needs across distribution and manufacturing with advanced features and flexibility, all supported by an integration-ready, cloud-native platform.

"From our modest beginnings in a garage using Sage 50 to our current achievements of nearly \$26 million in sales with the support of Sage Intacct, we are continually transforming," **says Joe Berg, Co-Owner, DJ Products, Inc.** "Now, at a pivotal moment in refining our operations, the introduction of Sage SDMO has given us unparalleled visibility into production tracking, scheduling, and costing, enabling us to make informed decisions swiftly. It has revolutionized our ability to forecast, control costs, and customize offerings for our customers, elevating our position in the material handling equipment sector. It's truly a game changer."

Key capabilities include :

- **Automating Core Financial Tasks** : this feature uses secure access to multi-dimensional insights across entities, so financial leaders can better drive business performance

- **Simplifying Complex Product Designs** : By simplifying design complexities with attachments and centralizing information, SDMO accelerates processes and enables teams to focus on innovation and quality, for a competitive edge and customer satisfaction
- **Enhancing Distribution and Supply Chain Operations** : With SDMO as a single source of real-time information, teams across the quote to cash cycle can adapt to changes in demand and foresee supplier issues more swiftly
- **Optimizing Inventory and Warehouse Management** : With accessible, real-time inventory oversight, companies can minimize waste, reduce the need for adjustments and variances, and get more orders

SDMO is available both fully integrated with Sage Intacct and as a standalone operations management platform, ensuring small and mid-sized businesses have access the powerful ERP capabilities needed to adapt and thrive in varying economic conditions.

### *Stratasys Expands Access to Anatomical Realism with New Digital Anatomy Solution*

19 June 2024

Stratasys Ltd. announced the launch of its J5™ Digital Anatomy™ 3D printer, the latest innovation designed to address the growing demand for cost-effective, high-fidelity anatomical models. This Stratasys innovation is designed to enable hospitals, medical device manufacturers and research institutions to enhance patient outcomes, streamline operations and bring products to market faster.

Stratasys will host an official reveal of the printer on June 25<sup>th</sup> at 2:30 p.m. (Pacific) at RAPID + TCT. Attendees are welcome to join the celebration at the company's booth then, or at any time during the event, to see first-hand how the printer, with its compact footprint and unique material capabilities, delivers unmatched precision and realism in anatomical modeling.

Key Benefits for Customers:

- **Enhanced surgical planning:** The J5 Digital Anatomy printer produces life-like, patient-specific anatomic models that allow for pre-operative surgical planning and may assist in reducing operating room time and associated costs. Using such models also assists in improving communication between the medical staff and between the staff and their patients.
- **Experience anatomy like never before:** Unique realism in cost-effective training resources, increasing accessibility to affordable high-quality teaching tools.
- **Accelerated development:** The ability to create precise, repeatable anatomical models that enable rapid iterations in medical device development, potentially reducing the need for animal testing and shortening time to market.

“The J5 Digital Anatomy printer is designed to be user-friendly and facility-friendly, making advanced anatomical modeling accessible to a broader range of medical institutions,” said Erez Ben Zvi, VP Medical, Stratasys.

Product Capabilities:

- **Biomechanically accurate materials:** Supports the production of models that mimic the behavior and response of real human tissue, skeletal structures and vasculature, providing realistic haptic feedback for procedures such as suturing, incision, and screw insertion, while bearing true-to-life radiopacity characteristics with supported imaging.
- **Compact and accessible:** The J5 Digital Anatomy printer is an easy to use, office-friendly printer with a small footprint and a lower Total Cost of Ownership (TCO), making it an ideal choice for institutions facing budget and space limitations.