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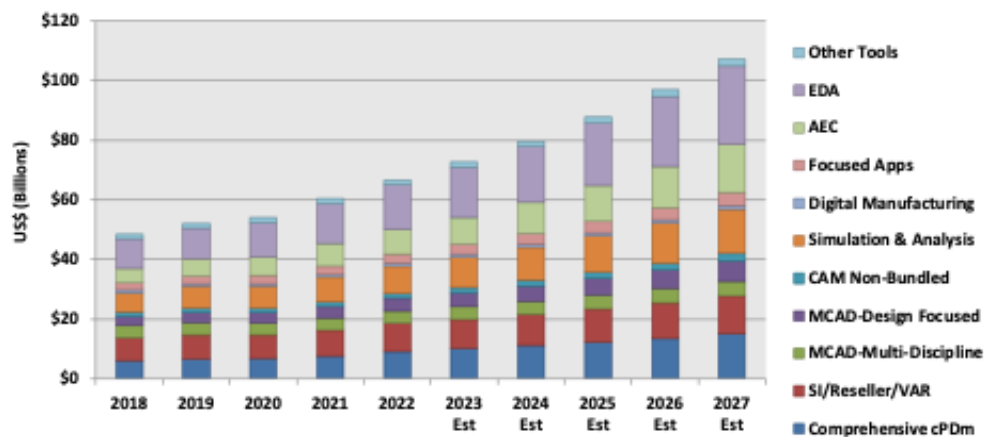
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CIMdata News

CIMdata Publishes PLM Market and Solution Provider Market Report

27 July 2023

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces the release of the CIMdata PLM Market and Solution Provider Analysis Report, the third of five modules of the CIMdata 2023 Market Analysis Report Series. The MAR Series provides detailed information and in-depth analysis of the worldwide PLM market during 2022. It contains analyses of major trends and issues; revenues of leading PLM solution providers; and revenue analyses for geographical regions, industry sectors, and historical and projected data on market growth.



Distribution of 2022 PLM Revenue by Market Sector

“The PLM market grew to US\$66.6 billion overall in 2022, 10% growth over 2021, just under our forecast of 10.1%,” said Mr. Stan Przybylinski, CIMdata’s Vice President. “Electronic Design Automation (EDA) saw strong double-digit gains, driven by market leaders Synopsys, Cadence, and Siemens Mentor. Other Tools, our segment that includes tools to develop product software, contracted 15%, but that was due to CIMdata’s decision to include Internet of Things (IoT) and low-code/no-code development offerings in the comprehensive collaborative Product Definition management (cPDM) revenue estimates for market leaders PTC and Siemens. Others who built IoT and low-code/no-code capabilities into their product innovation platforms get to include those revenues, so it made sense to let others do the same. As a result, the comprehensive cPDM segment grew by 20% year-on-year.” Results were also impacted by major exchange rate changes in 2022, particularly the Euro (down 11.1% against the US dollar) and the Japanese Yen (down 16.5%).

CIMdata expects continued market growth because the underlying trends to smart, connected products and Industry 4.0 have only strengthened since the pandemic. But the global economic issues in 2023 could impact these results. CIMdata forecasts the PLM market to grow 9.5% in 2023. In 2027, CIMdata forecasts the PLM market to grow at a compound annual growth rate (CAGR) of 10% to just over US\$107.2 billion.”

Companies make PLM investments in many different areas and with many types of solutions, including mechanical CAD, simulation and analysis, visualization and collaboration, building design, and others. This diversity is reflected in the different solution providers to the PLM market and in the fact that no single type of provider dominates the industry. During 2022, a number of providers generated substantial revenues that represent PLM-related investments. Twenty-four providers generated PLM revenues in excess of US\$500 million from both the tools and the cPDM segments, up from nineteen last year. Three solution providers, Dassault Systèmes, PTC, and Siemens Digital Industries Software, are major providers of both tools (such as MCAD) and cPDM technology, while others, such as Autodesk and Cadence, are primarily tool providers that focus on specific segments within the overall market. While Hexagon does not position itself as a PLM company, its revenues from businesses that CIMdata does count in PLM puts them in the top 10. It illustrates the breadth of companies that participate in the overall PLM market, even though they may not all compete directly with each other.

This report is the third of five modules of the CIMdata 2023 Market Analysis Report Series to be released. The MAR Series provides detailed information and an in-depth analysis of the worldwide PLM market during calendar year 2022. It contains analyses of major trends and issues; revenues of leading PLM providers; and revenue analyses for geographical regions, industry sectors, and historical and projected data on market growth.

The CIMdata PLM Market Analysis Report Series comprises five modules:

1. The *CIMdata 2023 Executive PLM Market Report* provides an overview of CIMdata's complete global analysis. It includes key charts on PLM market investment statistics through 2022, forecasts of investments for 2023 through 2027, and a summary of PLM solution providers' performance in 2021.
2. The *CIMdata 2023 PLM Industry Review and Trends Report* is mainly qualitative and focuses on key issues facing the global PLM Ecosystem of solution providers and end user organizations. It highlights changes that occurred in 2022, what affects those changes may have in the short and medium terms, and what is on the horizon in the years to come.
3. The *CIMdata 2023 PLM Market and Solution Provider Analysis Report* details measures of and forecasts for the overall PLM market and its key segments in 2021, including Tools, cPDM, and Digital Manufacturing. The Tools section has additional details on sub-segments, including MCAD, NC, S&A, EDA, and AEC. It also includes CIMdata's estimates of PLM solution provider revenues in these segments and sub-segments for 2023 through 2027.
4. The *CIMdata 2023 PLM Market Geographic Analysis Report* provides an additional view of the 2022 market results, by major geography. CIMdata's 2022 estimates and market forecasts for PLM and the major PLM market segments are provided for the Americas, EMEA, and Asia-Pacific. In addition, the report includes estimates and forecasts for the cPDM segment within specific European and Asia-Pacific countries and regions.

5. The *CIMdata 2023 PLM Market Industry Analysis Report* provides an industry segmentation view of the 2022 market results. CIMdata's 2022 estimates and market forecasts for PLM and cPDM are provided for ten industry sectors: aerospace and defense, automotive and other transportation, electronics/telecommunications, fabrication and assembly, process-packaged goods, process—petrochemical, utilities, construction, infrastructure, and shipbuilding.

The CIMdata PLM Market Analysis Report Series is available as a five-module set or each module can be purchased separately. Selected modules are also available as part of the CIMdata Community Memberships. Further details and pricing information about the report and Community Memberships are available at www.cimdata.com.

CIMdata Publishes PLM Trends Market Report

25 July 2023

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces the release of the CIMdata PLM Industry Review and Trends Report, the second of five modules of the CIMdata 2023 Market Analysis Report Series (MAR). The MAR Series provides detailed information and in-depth analysis of the worldwide PLM market during 2022. It contains analyses of major trends and issues; revenues of leading PLM providers; and revenue analyses for geographical regions, industry sectors, and historical and projected data on market growth.

The 2023 PLM Industry Review and Trends Report focuses on “The Digital Thread: Powering Business Transformation.” Since the onset of Industry 3.0 and the early applications of digital technology to the product lifecycle, firms have had to deal with the myriad information types generated during product lifecycle activities. Scratchings on a cocktail napkin, formal requirements, program and project plans, early OD to 1D models, mechanical computer-aided design (MCAD), electronic design automation (EDA) output, software source code and executables, and test results from simulation and analysis (S&A) are just some of the many information types that help describe the evolution of products from idea through life. In the late 1990s, CIMdata began talking about the bill of information (BOI) to describe this concept that predated the definition of PLM that emerged at that time.

Fast forward to today. The capabilities of information systems and storage devices to manage heterogeneous information continues to astound us. The concept today is “the digital thread,” and is used by software companies across PLM (and into other application domains, like ERP and CRM), as well as leading service providers. Government organizations, especially in aerospace & defense, are bullish on the topic. The phrase “single source of truth” has been brought to bear once again, and ideas of master data management (MDM) and data governance (DG) are essential to having a healthy and accurate digital thread, no matter your environment. But, as with most buzzwords or catch phrases, they mean very different things to different people and organizations.

This report has three sections on the digital thread, one to provide context on the topic and another focused on our research on the state of the art and practice of the digital thread in

industry. The third digital thread section focuses on the dynamics of the PLM Economy, including competitive moves made by the leading firms and other entrants that could threaten the digital thread objectives of industrial firms. The report closes with sections on “The Green Energy Transition,” documenting CIMdata’s industrial research on the topic, and “Data Governance in the Era of Digital Transformation,” which focuses on the importance of ensuring data quality and completeness, and data’s ability to support an organization’s strategy and tactics as part of any digital transformation.

The CIMdata PLM Market Analysis Report Series comprises five modules:

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The CIMdata PLM Market Analysis Report Series is available as a five-module set or each module can be purchased separately. Selected modules are also available as part of the CIMdata Community Memberships. Further details and pricing information about the report and Community Memberships are available at www.cimdata.com.

HxGN LIVE Global 2023 - a CIMdata Commentary

25 July 2023

Existing clients & new prospects—value for everyone

Key Takeaways

- Hexagon launches Nexus for Developers, enabling manufacturers to build innovative digital reality solutions for engineering and manufacturing.
- Hexagon will connect their HxDR reality capture and Nexus Manufacturing platforms with NVIDIA Omniverse, a platform for developing and operating industrial metaverse applications.
- Hexagon Manufacturing Intelligence launched a new automated robotic inspection solution, PRESTO, which enables manufacturers to reduce inspection time.
- Hexagon's HxDR powers Reality Cloud Studio—ushering automated Digital Reality to the cloud.

CIMdata attended Hexagon's HxGN LIVE Global 2023, held in Las Vegas, Nevada, June 12 through 15, 2023. [\[1\]](#) CIMdata was excited to hear and discuss Hexagon's many announcements, technologies, and solutions with key Hexagon personnel and some of the over 3,600 attendees who came from 37 countries.

Mr. Paolo Guglielmini, Hexagon's President and CEO, opened the event with a powerful keynote titled "Optimism at scale," which focused on the power of you, technology, and community. Mr. Guglielmini introduced the equation, "You + Community + Technology," explaining that change happens with the vision of a few who collaborate with like-minded people in a community and use technology to scale. This formula encourages connectedness and openness while scaling optimism in our personal responsibility, passion, growth, and human-centric technology innovation.

Mr. Guglielmini introduced five visionaries to demonstrate what optimism using Hexagon technology looks like. Mr. Guglielmini first interviewed Mr. Lukas Czinger, the co-founder and COO of Divergent, a recent partner of Hexagon. Divergent is a Tier One automotive and aerospace manufacturer who reimagined how to produce complex automotive and aerospace structures to drive digital production. They use software and hardware that is product-agnostic to sustainably manufacture multiple complex structures back-to-back with no downtime.

Mr. Albert Becker, Head of CAE & BIM Support at Bayer AG, then described how Hexagon enabled their digitalization journey with the use of digital twins to transform its operations by improving their data analytics and reducing waste. Mr. Guglielmini then interviewed Mr. Ben Macnamara, CEO of CBH Group, Australia's largest co-operative and a leader in the grain industry. Mr. Macnamara described how Hexagon's technology enabled them to automate haulage, an innovation that resulted in less waste and greater profits.

Mr. Nick Pfenning, Senior Superintendent at Mortenson, a major U.S. construction company, shared the benefits of digital construction and green AEC. He described how they designed and

constructed modular guest rooms for a hotel using reality capture, drone flights, photo documentation, and autonomous robotics in the placement of guest rooms at the construction site.

Lastly, Mr. Erik Josefsson, CEO of R-evolution, Hexagon's sustainable innovation and green-tech investment subsidiary, shared how they capture carbon with seagrass conservation in the Bahamas, capturing thirty-five times as much carbon as forests. Mr. Josefsson shared a video by the country's Prime Minister, Philip "Brave" Davis, who explained the importance of the ocean's largest natural carbon sink, which awards blue carbon credits. R-evolution has active sustainability and decarbonization projects including solar, wind, and green hydrogen.

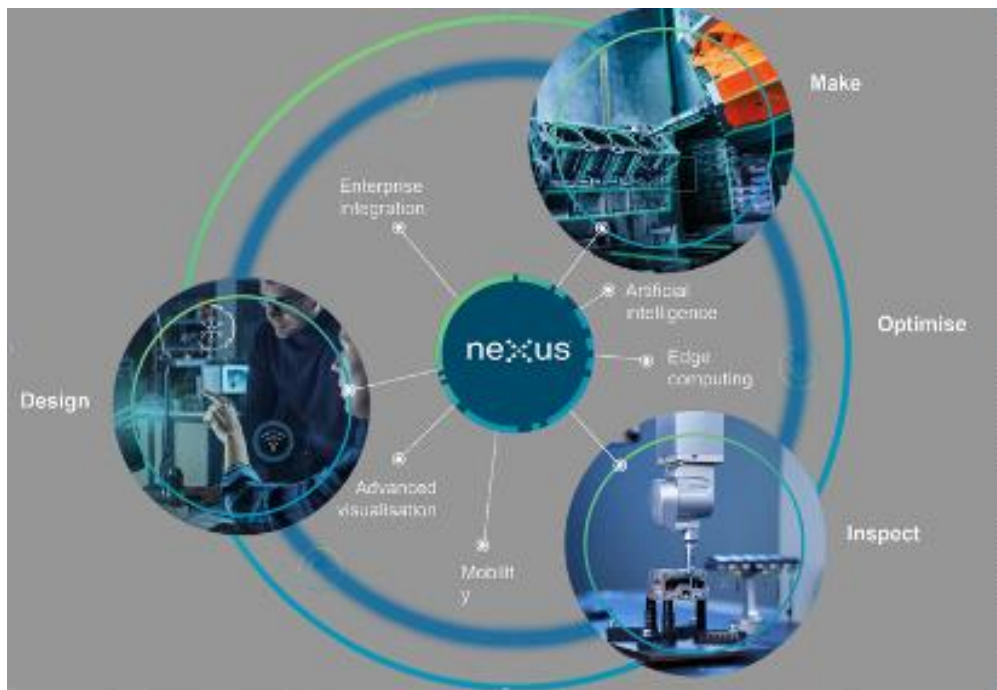
Furthermore, Mr. Guglielmini discussed how both personal and corporate vision can lead to a better world. Mr. Guglielmini went on to say that decarbonizing our planet and reducing CO2 emissions in line with the 1.5°C target, as outlined by the United Nations, is an optimistic vision that can be achieved with holistic solutions for the prosperity of people, industry, and our planet. CIMdata was encouraged to see Hexagon's commitment to decarbonization and a sustainable circular economy, which will benefit many of their customers. Mr. Guglielmini concluded by discussing "optimism" and that it is really about action, looking at challenges and finding solutions, and positively impacting the world. Mr. Guglielmini stated the mission the Hexagon community and Hexagon itself are on is essentially the same. Growing a business sustainably requires innovative solutions. He urged this community to reach out with their requirements and challenges, and his commitment to them was that Hexagon would be there to help them do better and be better.

The following day, Hexagon's CTO, Mr. Burkhard Boeckem, hosted HxGN LIVE Global's first innovation day with his presentation titled, "Right here. Right now." Building on Mr. Guglielmini's presentation, "Optimism at scale," Mr. Boeckem discussed three themes: human-centric design, connecting everyone, and access to everywhere from anywhere.

Hexagon's human-centric design could be seen in multiple Hexagon products discussed, including Leica BLK360, their 3D scanning solution; CAS310, a hardware and software mining collision solution; Leica AP20 AutoPole, a surveying tool for creating survey points; PRESTO, an automated meteorology test inspection solution designed for non-robotic experts; and Leica Pegasus TRK Series, a set of mobile mapping solutions used by GIS professionals to collect data and capture asset information autonomously. Hexagon redesigned major parts of their product line to simplify the user experience.

Connecting everyone focused on Nexus—the open digital reality platform for manufacturers. Mr. Andy Pratt, VP of Customer Innovation, joined Mr. Boeckem virtually to speak about Nexus and the continued collaboration between Hexagon and Microsoft. Mr. Boeckem introduced Reality Cloud Studio, a new application on Hexagon's HxDR platform that combines cloud-based storage, visualization, and a collaboration space to visualize, mesh, register, and store data. This enables users to upload and register scans automatically using Leica BLK solutions. Mr. Boeckem's session highlighted the power of innovation, prioritizing the needs of the user with human-centric innovation. He focused on new partnerships and groundbreaking innovations.

During the event, Hexagon’s Manufacturing Intelligence division announced Nexus for Developers, a dedicated development environment that anyone can use to build native SaaS applications and connected solutions for engineering and manufacturing. This open digital reality platform provides a framework via their Software Development solution that connects Hexagon and third-party engineering, manufacturing, and quality assurance products and solutions. Once an application is plugged into the Nexus platform, it maintains connectivity and allows users to synchronize disparate tools between cloud, enterprise, and desktop applications for real-time collaboration. The new tool set allows professional developers to rapidly develop new unique services from libraries, which offer reusable user interface components that enable them to develop high-quality, feature-rich user experiences. Hexagon’s goal is to develop an ecosystem of technology providers connecting their third-party applications to the Nexus platform, with Hexagon products to deliver powerful manufacturing solutions for customers.



*The Nexus Platform
 (Courtesy of Hexagon)*

Altium is the first company to connect its cloud platform to the Nexus platform, integrating thermal simulation capabilities delivered by Hexagon’s computational fluid dynamics (CFD) software with printed circuit board (PCB) design tools via its Altium 365 platform. Altium users now have access to Hexagon engineering and manufacturing data, speeding up product development and reducing waste. CIMdata is impressed with the Nexus platform and its ability to connect the manufacturing ecosystem, from Hexagon’s powerful (formerly MSC Software) simulation and analysis suite, through their Computer Aided Manufacturing (CAM) and metrology offerings, to an offering built on their powerful HxDR reality capture platform.

Hexagon will connect its HxDR reality capture platform and Nexus platform for manufacturing with NVIDIA’s Omniverse, a platform for developing and operating industrial metaverse

applications. This will enable multi-user workflows through a unified view of factory planning and design, as well as optimization in quality and operations. This integration will be based on the Universal Scene Description (USD) framework. The connected platforms will provide complementary technologies that enable customers to advance manufacturing for smart factories and accelerate the power of digital twins for manufacturing, construction, intelligent cities, and infrastructure. The next frontier is robotics, and the shared vision of Hexagon and NVIDIA is to train robots in virtual worlds and enable autonomy for everything that moves. CIMdata is very excited to see the outcome of this powerful partnership.

Hexagon's Manufacturing Intelligence division launched its new automated robotic inspection cell, PRESTO, which enables manufacturers to reduce quality inspection time and increase efficiency. The solution builds on Hexagon's leading HxGN Robotic Automation software that integrates Hexagon's state-of-the-art 3D scanning and absolute positioning technologies and software in a single turn-key solution. With PRESTO, Hexagon is adapting quality inspection to enable the future of smaller-batch production of larger volume parts. CIMdata is impressed with PRESTO's ability to connect inspection to the rest of the manufacturing ecosystem, with its unparalleled flexibility. We see this turnkey solution as adding increased flexibility, and being easy to use, not requiring a robotics expert to run.

Concluding Remarks

Hexagon's HxGN Live Conference showcased a wide variety of their digital reality and automated solutions across industrial, manufacturing, infrastructure, and the public sector. Hexagon's solutions and ecosystems are becoming more connected and autonomous, ensuring scalable and sustainable outcomes for their customers.

CIMdata is impressed with the breadth of Hexagon's offerings that enable digitalization at scale, including Hexagon's HxDR platform, and the connectivity and openness of their Nexus platform. CIMdata believes that Hexagon's direction, strategic partnerships, new solutions, and significant updates of current solutions will enable it to maintain its position as a leading provider of digitalization and automated solutions and capabilities for customers across the many industries they serve.

Jim Heppelmann, PTC CEO to Retire - PTC Announces CEO Succession Plan – a CIMdata Highlight

27 July 2023

On Wednesday, 26 July 2023, PTC announced that Mr. Jim Heppelmann will step down as CEO and retire, concluding 26 years of service at PTC, including 13 years as CEO. PTC also announced that Mr. Neil Barua, President of PTC's Service Lifecycle Management business, will succeed Mr. Heppelmann as Chief Executive Officer of PTC at the time of the Company's annual shareholder meeting in February 2024. Effective immediately, Mr. Heppelmann is appointed Chairman of the Board, and Mr. Barua is appointed CEO-elect and to PTC's Board of Directors. The CEO transition is the culmination of the Board's succession planning process to ensure leadership continuity.

Mr. Heppelmann has had a long and distinguished career in the PLM industry. He was co-founder of Windchill, which was acquired by PTC in 1998. He has been a core part of PTC's product development and digital transformation strategies since joining the company. As CEO, he led PTC's acquisition of key companies and technologies that have established PTC as a leader in the Internet of Things, augmented and mixed reality, and recently their expansion of Service Lifecycle Management (SLM). He also was a driving force in moving PTC's business model to fully embrace Software-as-a-Service and Cloud delivery.

Mr. Barua brings a wealth of experience to his future role as CEO of PTC. Over his career, he has had leadership roles in software companies and worked for investment firms active in the software marketplace. He was formerly CEO of ServiceMax, a company acquired earlier this year by PTC. Given PTC's history of acquisitions, this dual background should help him and PTC navigate their relationships with investment firms and support future acquisitions. CIMdata wishes Mr. Barua continued success.

CIMdata congratulates Mr. Heppelmann for his visionary career and significant impact on the PLM industry. We wish him a happy retirement.

Acquisitions

Accenture Completes Acquisition of Optimind

25 July 2023

Accenture has completed its acquisition of Optimind, a Paris-based independent consulting firm that provides advisory services and solutions to help insurance firms, banks and large corporate clients to meet major challenges of competitiveness, transformation and regulation.

Accenture announced its intent to acquire Optimind on March 17, 2023. Financial terms of the transaction were not disclosed.

Optimind, recipient of the 2022 EcoVadis Gold Medal for its corporate social responsibility policy, has over the past two decades built strong service offerings that cover the full spectrum of the risk management value chain: from strategy to finance, from quantitative modeling to compliance, and from mapping to continuity plans.

Optimind's team of more than 350 highly skilled professionals, including more than 110 actuaries, serves clients in France and Luxembourg. They join Accenture to enhance its capabilities in providing clients with quantitative and qualitative risk management and compliance services.

Altair Expands Digital Engineering Technology with Acquisition of OmniV

27 July 2023

Altair, a global leader in computational science and artificial intelligence (AI), acquired OmniV, a technology out of XLDyn, a product development software company based in southeast Michigan. OmniV empowers open model-based systems engineering (MBSE) practice across systems, simulation, test, product development, and controls engineering by formalizing the

development, integration, and use of models to inform enterprise and program decision-making.

OmniV eliminates the silos that occur between high-level system modeling and simulation, as well as detailed, domain-specific modeling and simulation. OmniV is vendor agnostic and can connect to various enterprise data stores and verification and validation methods – including those from third-party vendors – to support program goals. OmniV brings together cross-domain product development activities using the MBSE methodology in a fully integrated and easy-to-use tool.

With support for systems modeling language (SysML) – a general purpose modeling language for systems engineering applications across a broad range of systems and systems-of-systems – omniV's SysML compliant diagrams that capture system architecture (structures, requirements, and behavior) can easily be shared and verified with product development teams. This allows the creation of multiple types of digital twins easier and earlier in the product development process, even before CAD models are created.

“Historically, organizations have had to wait until they have a physical prototype to see how a product performs. OmniV provides a holistic understanding of how a product functions much earlier in the process,” said James R. Scapa, founder and chief executive officer, Altair. “Our goal is to connect the dots across the enterprise through an open, flexible, and purpose driven MBSE and digital twin integration. Regardless of what tools you use, OmniV allows customers to have an open architecture MBSE practice that provides a traceable ecosystem to track performance, cost, and mass of a product.”

The technology will be available via Altair Units, integrated into Altair's digital twin solution set, and accessible via Altair One, Altair's cloud innovation gateway.

Cyncly acquires Pacific Solutions

27 July 2023

Cyncly, a global market-leader for end-to-end software and content solutions to the spaces for living industry, has completed the acquisition of Pacific Solutions, a leading commercial flooring business management software provider in North America.

Pacific Solutions provides software solutions tailored to commercial and residential flooring, helping dealers and contractors maximize their business potential. Pacific Solutions' products, JobRunner and FloorManager, are ERP solutions equipped with operational, sales and accounting management tools to increase efficiency and improve financial reporting accuracy. Pacific Solutions' team is backed by decades of experience in the flooring market, with solutions driven by customer needs and simplicity that have led the company to strong market leadership and trusted long-term customer relationships.

The acquisition expands Cyncly's global footprint in the home improvement industry by extending its flooring offering in commercial segments and increasing its presence in residential flooring, alongside the existing product portfolio of the RFMS solution suite. As part of Cyncly's

Flooring Business Unit, Pacific Solutions will benefit from the scale of a world-class global organization across customer success, go-to-market functions and research & development.

“Pacific Solutions has a rich history in providing the very best solutions to our flooring customers. We are excited to now start a new journey with Cyncly, where we will continue to put our customers at the forefront while benefitting from the combined power of Cyncly’s global platform. We look forward to this bright future together,” said Bob Noe, President of Pacific Solutions.

Madeleine Bayless, Co-General Manager of Cyncly’s Flooring Business Unit commented, “I have had the privilege of knowing the Pacific Solutions team for many years. They are exceptional people who share the culture and personal values held at Cyncly. It is a perfect fit! The Flooring Business Unit is very proud to welcome Pacific Solutions to Cyncly.” Co-General Manager, Rod Bayless, added, “I am excited for the opportunity to work side-by-side with the Pacific Solutions team and to leverage their expertise in the commercial flooring space, along with Cyncly’s resources, to benefit all of our mutual flooring clients at Cyncly.”

David Tombre, CEO of Cyncly added, “Customer success is a key driver for us at Cyncly. Seeing Pacific Solutions’ focus and track record in delivering outstanding service to their customers makes them a great fit. Together we will empower our customers in flooring to grow with confidence.”

Company News

Accenture Announces Leadership Appointments

27 July 2023

Accenture announced the following leadership appointments, effective September 1, 2023:

Manish Sharma, Accenture’s Chief Operating Officer, will become Chief Executive Officer – North America. Sharma succeeds Jimmy Etheredge, who is retiring after an outstanding nearly-38-year career with Accenture. Etheredge will step down as of August 31 and become an advisor for a transition period.

John Walsh, Accenture’s Chief Strategic Accounts & Global Sales Officer, will become Accenture’s Chief Operating Officer.

Steve Ferneyhough, Accenture’s Lead – Sales, Europe, will become Chief Strategic Accounts & Global Sales Officer.

Paul Daugherty, Accenture’s Group Chief Executive – Technology & Chief Technology Officer, will become Chief Technology & Innovation Officer.

Karthik Narain, Accenture’s Lead – Accenture Cloud First, Data & AI, will become Group Chief Executive – Technology.

In their new roles, Sharma, Walsh, Ferneyhough, Daugherty and Narain will serve as members of Accenture’s Global Management Committee.

As Chief Executive Officer – North America, Sharma will be responsible for Accenture’s largest geographic market, which generated \$29B in revenues in FY22, and will be responsible for delivering on the promise of technology and human ingenuity for Accenture’s clients, people, shareholders, partners and communities.

Sharma, who joined Accenture in 1995 in its strategy practice, currently serves as the company’s Chief Operating Officer, and before that, was Group Chief Executive – Operations, for which North America was the largest market. He has a proven track record of creating business value for global clients, enabled by tech, data and AI, and has personally engaged with some of the company’s largest clients, including many in North America.

Sharma also led the development of the company’s SynOps platform, which digitizes and transforms critical enterprise functions, from finance and accounting to marketing and sales to supply chain.

“Manish has worked around the globe and across industries to help clients reinvent to create new value, enabled by technology, data and AI,” said Julie Sweet, Chair and CEO, Accenture. “And in his roles as our COO and as the Group Chief Executive – Operations, he has personally helped lead significant parts of Accenture’s own reinvention. He is committed to our people and to helping our clients and Accenture excel at this time of exponential change.”

Etheredge has served as Chief Executive Officer – North America since 2019, helping to steer the organization and its clients through the pandemic while positioning Accenture as a leader in enterprise reinvention.

“As CEO of North America, Jimmy achieved the greatest expansion of North America in our history by creating value for our clients as their reinvention partner of choice,” said Sweet. “Throughout, Jimmy has been focused on our people, including diversity, mental health and creating more opportunities. I am incredibly grateful for our close partnership over the years and for Jimmy’s dedication to Accenture, our clients and our people. Jimmy is a true steward of Accenture and we wish him the best.”

John Walsh, who is Accenture’s Chief Strategic Accounts & Global Sales Officer, will become Accenture’s Chief Operating Officer. In his new role, Walsh will be responsible for leading the company’s business operations, executing Accenture’s business strategy, and chairing the Capital Committee & Corporate Investment Committee to execute on the company’s growth strategy, protect its infrastructure and ensure operational excellence, which includes the ongoing digital transformation of Accenture.

In his current role, Walsh led the creation of a world-class tech-, data- and AI-enabled global sales organization, combining a growth mindset with operational rigor, and has worked side by side with client teams as an executive sponsor for many of the company’s most significant clients. Walsh brings deep knowledge of and experience in technology and how technology creates business value through his prior leadership of Accenture’s Communications, Media & Technology business.

“John brings a deep understanding of our clients, a track record of operational rigor and tech-enabled transformation, and a strong background in technology and our partner ecosystem,”

said Sweet. “John will continue to help ensure we are delivering 360-degree value to our clients consistently around the world while helping us be our own best credential of a tech-, data- and AI-enabled organization that is safe and resilient.”

Steve Ferneyhough, Accenture’s Lead – Sales, Europe, will become Chief Strategic Accounts & Global Sales Officer. In his new role, Ferneyhough will build on the strong foundation of the company’s world-class global sales organization, continuing to drive growth and meet the needs of our clients. In his current role, Ferneyhough delivers large-scale transformational partnerships, industry-based solutions and campaigns that deliver value for our clients across Europe.

“Steve brings deep global sales experience to this critical role,” said Sweet. “Through his 33-year career, Steve has helped shape and deliver digital transformations for clients in virtually every industry around the world, and he will continue to drive innovation in how we meet our clients’ most important needs.”

Technology and Innovation Leadership Changes

In order to capture, even faster, the opportunities from the ongoing exponential changes in technology—including generative AI—and accelerate innovation across its clients, the company also announced the appointments of Paul Daugherty and Karthik Narain to new leadership roles, effective September 1, 2023.

Daugherty, who is currently Accenture’s Group Chief Executive – Technology & Chief Technology Officer, will become Chief Technology & Innovation Officer. This new role will focus on defining and executing the company’s technology strategy and accelerating innovation capabilities at a time when clients need more innovation than ever before.

Over the last four years, Daugherty has led Accenture Technology through its highest growth in Accenture history. He is a visionary technologist who has led the development of the annual Accenture Technology Vision report for more than a decade. He has co-authored two highly acclaimed books on AI: *Human + Machine: Reimagining Work in the Age of AI* (Harvard Business Review Press, 2018), a management playbook for the business of artificial intelligence, and *Radically Human: How New Technology is Transforming Business and Shaping Our Future* (Harvard Business Review Press, 2022).

“For our clients, all strategies continue to lead to technology, particularly cloud, data, AI and security,” said Sweet. “Paul has delivered immense value helping to build the digital cores of our clients and the highest growth in our history. As a recognized, iconic leader in the marketplace with deep relationships across the ecosystem, the impact Paul can have in bringing that depth of experience to focus on the future waves of growth and to accelerate innovation for our clients is immense.”

Narain, who is Accenture’s Lead – Accenture Cloud First, Data & AI, will become Group Chief Executive – Technology and will lead Accenture’s Technology service, which includes Cloud First, Data & AI, enterprise and industry platforms, Security, and ecosystem and advanced technology centers. In his current role, he has helped clients move, shape and operate their businesses in the cloud and unlock the power of data and AI. Since the formation of Cloud First

in 2020, cloud has become one of Accenture's top growth drivers, and the company has nearly tripled the number of cloud-certified employees under Narain's leadership. Narain joined Accenture in 2015 and led Technology for its Communications Media and Technology industry segment and Technology in North America. Over his 24-year career he has led many strategic and innovative programs across a variety of industry sectors, including Financial Services, High Tech and Software and Platforms.

"Karthik's experience leading Cloud First and his track record of more than two decades of deep technology experience makes him an ideal fit for his new role," said Sweet. "He brings strong C-suite relationships across our clients and ecosystem partners, helping them to use tech, data and AI to reinvent their businesses."

Airbus Extends Partnership with Astrocast to Further Enhance Satellite IoT Technology

24 July 2023

Astrocast, a leading satellite IoT operator, announces the extension of its partnership with Airbus Defence and Space (Airbus), a global leader in the aerospace industry. This partnership enhances the capabilities of satellite Internet of Things (SatIoT) technology. It enables Astrocast to further increase its network capacity to provide the most reliable and cost-effective SatIoT solutions to its customers.

In recent years, the collaboration between Airbus and Astrocast has been instrumental to Astrocast. Since 2017 this relationship has enabled Astrocast to develop its communication protocol and modem software stack more effectively. This forms a core part of Astocast's wider SatIoT technology. In building upon this successful collaboration, both companies have agreed to extend their partnership. Airbus will continue to provide extensive support to Astrocast, focusing on further enhancing both the Bandwidth and the Quality of Service.

The reliability and quality of Astrocast's SatIoT connectivity is already well recognized by the market since its commercial launch in 2022. Many organisations are currently benefiting from it. This includes the EU's CiRROCCO initiative, the EU's XGain initiative, and the likes of Avirtech, Digitalanimal and ArrowSpot, to mention a few. Through this partnership with Airbus, Astrocast expects to continue capitalising on their shared technological successes and further enhance SatIoT Bandwidth and Quality of Service for all customers. This will allow them to benefit from a continuous improvement of data transmission capacity, efficiency, latency and security. Customers will, in turn, be able to further optimize their operational efficiency according to their needs.

"Through this partnership extension, Airbus reaffirms its commitment to Astrocast's technology roadmap and its leadership in the SatIoT space. This collaboration also lays the important foundation for potential convergences with the future 5G NTN IoT communications standards that are currently in discussion for LEO constellations. In time, these enhanced capabilities for collecting and exchanging critical data with IoT assets from multiple applications will benefit users across various key industries worldwide. Astrocast is not only poised to address these challenges, its roadmap is designed to take them head on for the industry. Therefore, we're

excited about working together and achieving more success.” **says François Gaullier – SVP Telecommunications and Navigation Systems – Space Systems at Airbus Defence and Space.**

“We are thrilled to deepen our partnership with Airbus and leverage its unique expertise in advanced satellite IoT technology. This collaboration reinforces our commitment to continuing to provide our customers with the most reliable and efficient SatIoT connectivity solutions on the market. With Airbus’s support, we will further solidify Astrocast’s position as the go-to satellite IoT operator.” **Says Fabien Jordan, CEO of Astrocast.**

This extended partnership between Airbus and Astrocast strengthens the strategic technology collaboration between the two companies, and will bring critical benefits to their customers, and the SatIoT sector. It exemplifies Astrocast’s strong commitment to its customers — and continuous enhancement of its core technologies, that continue providing end-users the most reliable and cost-effective SatIoT solutions on the market today. Furthermore, it underscores the strong confidence Airbus places in Astrocast’s capabilities, as they work together to jointly push the boundaries of satellite IoT.

Altair Named to 2023 Fortune Best Workplaces for Millennials List

26 July 2023

[Altair](#), a global leader in computational science and artificial intelligence (AI), was honored as one of the [2023 Best Workplaces for Millennials](#) by Fortune Media and Great Place To Work.

“This award is yet another testament to our outstanding organizational culture, which is created and reinforced by our employees around the world every single day,” said James R. Scapa, founder and chief executive officer, Altair. “I am incredibly proud of the diverse, positive, and validating environment we have at Altair. It is what truly sets us apart.”

“Congratulations to all of the Best Workplaces for Millennials finalists,” said Alyson Shontell, editor-in-chief, Fortune. “These companies are setting themselves up for continued success by committing to the purpose-driven work that attracts the next generation of business talent.”

To determine the honorees, Great Place To Work collected nearly 500,000 responses from millennials at companies eligible for the list. To be considered, companies had to be [Great Place To Work Certified™](#) and have at least 50 millennial employees in the U.S. Honorees were selected based on their ability to offer positive outcomes for employees regardless of job role, race, gender, sexual orientation, work status, or other demographic identifier.

Click here to see [Altair’s full Great Place to Work profile](#).

Cynerio and Check Point Partner to Provide Comprehensive Security for Medical IoT Devices

25 July 2023

Cybersecurity industry leaders Cynerio and Check Point Software Technologies announced a partnership to provide healthcare organizations with comprehensive security for their medical IoT devices. Cynerio's 360 platform will provide functionality critical to securing healthcare IoT devices including device discovery, patch guidance, microsegmentation and attack detection.

By pairing this functionality with threat prevention and remediation technologies provided by Check Point Quantum IoT Protect, healthcare organizations will receive the complete device security protections they are seeking.

“The global healthcare industry continues to see increasing attacks resulting in impacted patient care, multi-million dollar recovery costs, and exposed patient records numbering in the tens of millions,” said Cynerio CEO Leon Lerman. “We are excited to partner with Check Point to provide healthcare organizations with a comprehensive solution that will secure their medical IoT devices. This partnership joins Cynerio’s deep expertise in medical IoT security and Check Point’s market-leading threat prevention technology. Together, we will help healthcare organizations protect their patients, data and operations from cyber threats.”

The integration of the Cynerio and Check Point solutions provides healthcare organizations with advanced medical IoT protections:

- **Comprehensive visibility:** Cynerio’s 360 Platform provides healthcare organizations with a comprehensive view of all their connected medical devices, including their location, configuration, and vulnerabilities. This visibility helps organizations to identify and prioritize security risks.
- **Network level protections:** Cynerio’s deep packet inspection technology uses Generative AI to analyze traffic patterns, create security policies and automatically test those policies prior to deployment.
- **Threat prevention:** Check Point Quantum IoT Protect uses AI/ML and behavioral analysis to identify and prevent attacks on IoT devices. This helps to protect organizations from known and unknown threats.
- **IoT attack detection:** Cynerio’s Attack Detection and Response offering will allow the paired products to detect active attacks missed by traditional technologies and immediately respond to those attacks.
- **Remediation:** When a threat is detected, Check Point Quantum IoT Protect can automatically remediate the issue, such as by blocking malicious traffic or isolating the affected device. This helps to minimize the impact of a security incident.

Dassault Systèmes Expands Its 3DEXPERIENCE Edu Centers of Excellence Global Program

25 July 2023

On the occasion of World Youth Skills Day, Dassault Systèmes has added eight centers to its 3DEXPERIENCE Edu Centers of Excellence global program, which provides experiential, lifelong learning with the 3DEXPERIENCE platform to accelerate the digital transformation of industry.

Seven of the new centers – Center for Innovation and Industrial Design of the Municipality of Puebla, Mexico; Cranfield University in the U.K.; ESTIA Institute of Technology in France; Jules

Verne Manufacturing Academy in France; and three Industrial Innovation Centers for Aerospace in Mexico – will focus on elevating workforce skills in aerospace, transportation and mobility.

An eighth center, the Sony Astani Department of Civil and Environmental Engineering at the USC Viterbi School of Engineering in the U.S., is the first center in the program to focus on skills for sustainable innovation in the cities, infrastructure and construction sectors.

With 19 centers worldwide, the 3DEXPERIENCE Edu Centers of Excellence program empowers the current and future workforce with the knowledge and know-how to thrive in emerging and fast-changing jobs in major economic sectors. In one learning environment, the centers combine virtual twin experiences on the 3DEXPERIENCE platform with state-of-the-art workplace machinery, courses and curricula to nurture the connection between technicians, operators and engineers and boost employability.

Digital Twin Consortium Publishes Identifying and Aligning the Stakeholders User Guide

25 July 2023

Digital Twin Consortium® (DTC) published the *Identifying and Aligning the Stakeholders* user guide, which is the next in a series of five designed to assist an owner or occupier with new or existing digital twin-based building decarbonization implementations. This guide specifically addresses the role of stakeholders, answering the question: Who are the stakeholders, and how should they participate?

“One of the most vexing challenges to decarbonization is the disparate nature of the built environment and the need for collaboration in making environmentally conscious decisions throughout the entire building lifecycle,” said Dan Isaacs, GM & CTO of DTC. “Reaching efficient and effective decarbonization using digital twins requires a strategic, focused, and calibrated effort across a broad group of stakeholders.”

“This user guide discusses the fundamental elements stakeholders must consider when developing a performance-based digital-twin tool for demonstrating the decarbonization potential of any building,” said Beth Eckenrode, Co-founder of AUROS Group. “Stakeholders must view digital twins as a system of systems housed in a common digital thread that provides the proper contexts to optimize current performance, decarbonize future performance, and absorb potential shocks and disruptions to reach true resilience in the built environment.”

The pace of stakeholder engagement is a function of when the following key decision makers identify building performance goals:

- Building Owners and Developers – includes building owners and developers, occupants, facility managers, and others.
- Architecture, Engineering, and Construction (AEC) Community – includes architects and engineers, contractors, suppliers, equipment vendors, utility providers, and others.

- Smart Building Vendors – includes those who manage information technology, operational technology, IoT technologies, digital twins, advanced building optimization technologies, and others.
- Community – includes international environmental groups, federal, state, and local government agencies, standards organizations, and more.

Members of the DTC Architecture, Engineering, Construction, and Operations Working Group (AECO) wrote a series of user guides to offer additional detail following the publication of the whitepaper: *Decarbonizing the Built World: A Call to Action*, which outlines how to reduce carbon emissions using performance-based digital twins. The subsequent user guides drill down into how digital twins provide value to communicate, collaborate and correlate data meaningfully, which the DTC will publish throughout the summer.

ESI Group announces the appointment of Olfa Zorgati as Deputy CEO in charge of transition and integration

25 July 2023

ESI Group, the world-renowned simulation and virtual prototyping software provider for industry, announces the appointment of Olfa Zorgati as Deputy CEO in charge of transition and integration. This appointment is effective immediately and ensures swift and steady progress on the transition phase and, after the block acquisition, the subsequent integration, related to the entry into exclusive negotiations between Keysight and ESI Group's main shareholders to acquire a controlling block followed by the launching of a mandatory cash tender offer, as announced on June 29th, 2023. Olfa will assist Cristel de Rouvray, CEO who continues to lead ESI Group along with the entire ESI Leadership team.

Olfa has almost 20 years of experience in financial and operational international management roles and has developed broad experience, as a transformational and data-driven manager in SaaS-enabled technology businesses, as well as in e-commerce and media companies. She joined ESI Group in 2018 as CFO and EVP of Operations.

Great Southern Bank Wins Model Bank Award with TCS

26 July 2023

Tata Consultancy Services (TCS) announced that its customer Great Southern Bank has won the Celent Model Bank 2023 Award for Open Banking.

Compliance with Consumer Data Right (CDR) Act 2019 required Great Southern Bank to invest in technology that would enable sharing of customer account information with accredited data recipients upon request and with customer consent. The bank saw this as an opportunity to go beyond compliance and extend the project to build the foundation for their strategic enterprise data platform.

To drive its Open Banking program, the bank turned to TCS, its long-standing partner of over 13 years, which currently manages its core banking platform using TCS BaNCS™.

Leveraging its deep contextual knowledge and technology expertise, TCS designed, built, and tested a new Open Banking platform. The new platform leverages TCS BaNCS' Open Banking APIs specifically developed for the Australian market and its knowledge and experience building similar banking and customer APIs for global clients. These APIs will enable Great Southern Bank to launch new products and services in collaboration with ecosystem partners.

To align with the bank's Cloud First strategy, all the components of the Open Banking platform are hosted on a public cloud and extensively use cloud-native services. TCS integrated a third-party identity and access management solution to support customer authentication and management of consent and authorisation for external data recipients to access customer data.

"TCS is an important strategic partner and it's the strength of that relationship that helped us think outside the box when it came to finding the optimum Open Banking solution for our business. We were able to pivot what started out as a narrow compliance challenge into a broader enterprise opportunity that is helping deliver a modern data platform and improved data quality across our whole organization," said **Carol-Ann Gough, Chief Information Officer, Great Southern Bank.**

"Today, banks are unlocking the power of APIs and making effective use of data to contextualize products and propel innovation within their organisations. TCS has been at the forefront of the revolution, helping banking, financial services and insurance customers across the globe with industry-leading services and solutions in Open Banking," said **Mohan Veeturi, Business Unit Head, BFSI – ANZ, TCS.** "We are delighted to partner with Great Southern Bank in their journey towards becoming a futureproof, data-driven enterprise. We congratulate them on this much deserved recognition from Celent and look forward to our continued partnership to drive sustainable growth and bring innovative offerings to the bank's customers."

"The Celent Model Bank Award for Open Banking recognizes best practice when it comes to technology-led innovation in this emerging ecosystem. Great Southern Bank demonstrated leadership in this area in 2022, extending its necessary investment to be compliant with the CDR to build the foundation for product innovation across the organisation," said **Kieran Hines, Principal Analyst, Celent.** "Rather than deliver only what was necessary, the bank took the opportunity to go further and create a series of re-usable components to support the bank's growth strategy. Great Southern Bank's partnership with TCS was central to this initiative."

HCLTech Receives Azure Expert Managed Service Partner Status For 5th Year In A Row

21 July 2023

HCLTech, a leading global technology company, has announced that it has retained the Azure Expert Managed Service Partner (MSP) accreditation for the fifth consecutive year.

"Azure Expert MSP is the highest Microsoft accreditation level for Azure. The recognition validates our extensive knowledge and experience of delivering managed services and helping clients reduce operational costs and increase productivity in hybrid work environments," said Kalyan Kumar, Chief Technology Officer and Head, Ecosystems, HCLTech.

HCLTech showcased over 35 customer success stories and use cases during the independent audit of HCLTech's CloudSMART ElasticOps for Azure solution to receive the accreditation. HCLTech CloudSMART, the consulting-led approach powered by HCLTech's long-standing status as a Microsoft Cloud Partner, helps accelerate innovation and business transformation.

"Partners play a central role in Microsoft's endeavor to support companies in their digital transformation projects," said Marianne Roling, Vice President, Global System Integrators, Microsoft. "HCLTech has invested in building deep expertise in Azure knowledge and services and retaining the Azure Expert Managed Services Partner accreditation for the fifth time is a testament to its continued commitment and partnership."

Apart from the Azure Expert MSP accreditation, HCLTech has also achieved 16 Microsoft specializations encompassing Azure, modern workplace, security and business applications.

Oracle Wins Copyright Case Against Repeat Violator Rimini Street

26 July 2023

Yesterday, the United States District Court for the District of Nevada ruled that Rimini Street repeatedly and illegally infringed Oracle's copyrights, impermissibly removed Oracle's copyright notices from Oracle software, and made at least 15 types of false statements regarding its support practices. As a result, the Court entered another permanent injunction requiring Rimini to immediately and permanently discontinue use of various support programs while further limiting others.

The Court also found Rimini's founder and CEO, Seth Ravin, personally liable for Rimini's copyright infringement, copyright notice removal, and false advertising, ruling that Mr. Ravin "knowingly participated in the creation and propagation of Rimini's false advertising."

As part of its injunction, the Court is requiring Rimini to issue a corrective press release to make its customers and prospective customers aware of the "false and misleading statements that Rimini Street has made in its advertisements and marketing campaigns." The contents of the press release Rimini is required to issue without modification can be found [here](#).

Among its many findings, the Court ruled that, despite the multiple prior copyright infringement rulings, an existing permanent injunction, and a contempt of court ruling, Rimini continued its illegal practices. The Court specifically found that Rimini infringed Oracle's PeopleSoft copyrights tens of thousands of times using multiple infringing support processes. Rimini further violated the law by removing Oracle's copyright information from files, which "concealed the nature of these files and misled its customers into believing that Rimini's updates did not infringe Oracle's copyrights."

Stuart Levey, Oracle's Executive Vice President and Chief Legal Officer, stated: "We are pleased that Oracle's intellectual property rights have been vindicated yet again and that the Court has taken additional steps to prevent further infringement and false statements to our customers by Rimini."

Pinkie Mayfield Elected to DXC Technology Board of Directors

26 July 2023

DXC Technology announced that Pinkie Dent Mayfield has been elected to the Board of Directors. Ms. Mayfield will serve on the Nominating/Corporate Governance Committee of the Board.

“We are pleased to announce Pinkie’s election to the DXC Board,” said Mike Salvino, DXC chairman, president and CEO. “She is a seasoned leader with broad experience across numerous executive roles. The Board and the management team are looking forward to working with her and benefitting from her expertise and insights as the Company continues to evolve.”

“Since August of 2020, we have appointed eight new Board members to DXC, adding depth to the Board’s skills in areas such as finance, IT and talent management while bringing new skills to the Board in ESG, policy and communications,” said Raul Fernandez, chair of the Board’s Nominating/Corporate Governance Committee. “We have also improved the diversity of DXC’s Board in a myriad of ways. With 64% of the Board identifying as diverse, the Company will continue to benefit from the broad and fresh perspectives along with the deep and abiding experience these individuals bring as Directors.”

Ms. Mayfield is the Chief Communications Officer and Vice President of Corporate Affairs at Graham Holdings Company (formerly The Washington Post Company), a diversified conglomerate whose principal operations include education and media. In her current role since 2015, Ms. Mayfield is responsible for corporate affairs, public relations, communications and strategic initiatives. Since joining Graham Holdings in 1998, she has held several executive leadership positions. Prior to joining Graham Holdings, Ms. Mayfield was a Vice President and Trust Officer at NationsBank (now Bank of America) in the Investment Services Division. A director of Founders Bank, a Washington D.C.-based community bank, she has chaired the audit committee since joining the board in 2020. Ms. Mayfield also currently serves as a member of the board of directors of Ready Capital Corporation and as the treasurer of the board of directors of the District of Columbia College Access Program and a trustee of the Philip L. Graham Fund. Ms. Mayfield graduated magna cum laude with a B.A. in business administration from Trinity Washington University and earned an M.B.A. from the University of Maryland University College.

PROPEL SOFTWARE APPOINTS PAOLO BATTAGLINI CHIEF FINANCIAL OFFICER

24 July 2023

Propel Software, creator of the first product value management (PVM) platform, announced the appointment of Paolo Battaglini as its new Chief Financial Officer (CFO). With a robust career spanning more than three decades in finance and accounting, and an impressive track record that includes two initial public offerings, Battaglini brings a wealth of experience to Propel. His background in managing and expanding both private and public technology companies makes him uniquely equipped to drive Propel’s expansion plans.

“We are thrilled to welcome Paolo to Propel. He is more than a seasoned finance executive, he is a strategic innovator with a proven track record of scaling SaaS companies,” said Ross Meyercord, CEO. “We look forward to Paolo’s financial stewardship as we revolutionize product lifecycle management and how innovative companies maximize the value of their product portfolios.”

Prior to Propel, Battaglini served as the Chief Accounting Officer and SVP of Better.com. Showcasing his ability to steer high-growth strategies, Battaglini spent five years as Vice President of Finance at enterprise software company, Zuora, where he played a seminal role in taking the company public as recurring revenue increased over 230%. During his 11 years as Vice President of Finance and Corporate Controller at the public company Actuate Corporation, he spearheaded strategic acquisition target initiatives as an indispensable part of its executive team. Earlier in his career, Battaglini guided Liberate Technologies through its public offering as the company’s first finance employee, demonstrating his capacity to build and lead finance operations from the ground up as Vice President of Finance and Corporate Controller.

“Paolo’s multifaceted experience has allowed him to help SaaS companies strategically grow recurring revenue,” said Jared Smith, Propel board member. “His nuanced understanding of the interplay between financial strategy and business operations will be invaluable in his role as CFO at Propel.”

"I am absolutely thrilled to join Propel and embark on its remarkable journey of innovation," said Battaglini. "Propel’s PVM platform is transforming the way product companies work by connecting commercial and product teams, which is invaluable to fast moving companies. I’m eager to apply my experience to make a substantial impact on the company's growth and profitability."

PTC Announces CEO Succession Plan

26 July 2023

PTC announced that Neil Barua, President of PTC’s Service Lifecycle Management business, will succeed James Heppelmann as Chief Executive Officer of PTC at the time of the Company’s annual shareholder meeting in February 2024. At that time, Mr. Heppelmann will step down as CEO and retire, concluding a distinguished 26 years of service at the Company, including 13 years as CEO. Effective immediately, Mr. Heppelmann is appointed Chairman of the Board, and Mr. Barua is appointed CEO-elect and to PTC’s Board of Directors.

The CEO transition is the culmination of the Board’s comprehensive succession planning process to ensure leadership continuity and to position PTC for continued growth. Mr. Heppelmann and Mr. Barua will work closely together through February 2024 to ensure an orderly transition of responsibilities.

Bob Schechter, who has served as Chairman of PTC’s Board of Directors for the last eight years, said, “Neil is the ideal person to lead PTC in its next chapter. He’s a seasoned technology executive with a proven track record of growing software businesses and supporting industrial companies with their digital transformation journeys. He combines this with a strong financial acumen, a customer-first mindset, and a leadership style that empowers employees. The Board

and I have great confidence that PTC has a bright future ahead with Neil serving as CEO alongside the rest of the Company's experienced leadership team."

Mr. Schechter continued, "Throughout his tenure as CEO, Jim has demonstrated unwavering commitment to PTC, and his positive impact on the Company cannot be overstated. His visionary leadership has helped transform PTC into the category leader in the product lifecycle management (PLM) market and has driven record financial performance for shareholders. The Board sincerely thanks Jim for all his contributions to date, and we look forward to our continued work together."

Mr. Heppelmann said, "I'm immensely proud of all that PTC has accomplished during my 26 years with the Company, including these last 13 as CEO. PTC has become a premier digital transformation partner to our customers, with the most differentiated software portfolio in our industry. I'm confident that PTC has never been in a better position to deliver value to our customers and our shareholders as we begin this next chapter. Having worked closely with Neil since the ServiceMax acquisition, I can attest first-hand to his focus on our customers' and employees' success, his understanding of PTC's market opportunities for the entire software portfolio, and his principles of financial and operational discipline. I'm confident that Neil, along with our proven executive leadership team, will keep PTC on a path of sustained growth and success."

Mr. Barua said, "It's an honor to be named the next CEO of PTC, and I greatly appreciate the confidence the Board has placed in me. PTC is a terrific company with great customers, talented employees, and the strongest product portfolio in our industry. The Company has been performing exceptionally well, and we'll build on this success as we enter our next chapter. I look forward to working with Jim and our executive team during this transition and deepening my relationships with our customers, employees, partners, and shareholders."

Revolution in Simulation Welcomes SDC Verifier as Newest Partner

26 July 2023

The global simulation industry collaboration and technology alliance *Revolution in Simulation* (Rev-Sim), created to accelerate innovation through the democratization of engineering simulation, announces SDC Verifier as its newest partner and collaborator.

SDC Verifier provides powerful simulation and standard verification software and engineering consultancy services. SDC Verifier works independently and in connection with Ansys Mechanical, Femap, Simcenter 3D. The software automates the verification of the FEA model against predefined industry standards, design codes, rules and regulations, or engineer-defined criteria.

With years of engineering experience, SDC Verifier creates software that eliminates routine and automates the detection of structural members (beams, connections, welds, plates), performs optimization according to standards, and generates reports.

Chief Operating Officer, Oleg Ishchuk explained that, because simulation is essential to modern engineering, partnering with Rev-Sim was the logical platform to share the company's expertise.

"Not only does FEA simulation accelerate the product development process, but it also helps with certification, which is vital in many industries," he said. "We have long been committed to the principle of Simulation First. As soon as we heard about the Rev-Sim community, we decided to join the revolution and share our knowledge and technology in simulation and certification according to the standards. We are happy to be part of the Rev-Sim community and hope to contribute to its development significantly."

Mike Nieburg, Rev-Sim Director of Partnerships said, "The demand for broader simulation usage is exploding and each of our partners are working to advance and expand the use and value of engineering simulation software by innovating within their market spaces. We are excited to have SDC Verifier demonstrate their thought-leadership and technology in a collaborative alliance that benefits all industrial users of engineering simulation."

SDC Verifier adds its name to a growing list of partners that includes Altair, Aras, BETA CAE, CIMdata, Coreform, Dassault SolidWorks, Digital Engineering 24/7, EASA, ESRD, Future Facilities, Hexagon, NAFEMS, Neural Concept, nTopology, OnScale, PASS Suite, PTC, Siemens, SimScale, SimuTech Group, TrueInsight, UberCloud, and VCollab.

ServiceNow, NVIDIA, and Accenture Team to Accelerate Generative AI Adoption for Enterprises

26 July 2023

ServiceNow, NVIDIA, and Accenture announced the launch of AI Lighthouse, a first-of-its-kind program designed to fast-track the development and adoption of enterprise generative AI capabilities.

Expanding on existing strategic partnerships among ServiceNow, NVIDIA and Accenture, AI Lighthouse will assist pioneering customers across industries in the design, development, and implementation of new generative AI use cases.

AI Lighthouse unites the ServiceNow enterprise automation platform and engine, NVIDIA AI supercomputing and software, and Accenture AI transformation services. The comprehensive offering will let customers collaborate as design partners in architecting custom generative AI large language models (LLMs) and applications to advance their businesses.

"This is a transformational moment for business to revolutionize how work gets done," said ServiceNow Chairman and CEO Bill McDermott. "In collaboration with our visionary partners, ServiceNow, NVIDIA, and Accenture are forming the market-leading blueprint for AI-first enterprise innovation. We expect the AI Lighthouse customer program to inspire breakthrough ideas with massive ROI: 'return on intelligence.'"

"Industries are racing to add generative AI tools to their operations at a faster pace than in any previous technology shift," said Jensen Huang, founder and CEO, NVIDIA. "NVIDIA, ServiceNow and Accenture are partnering to help customers lead their industries by deploying generative AI

tools that harness their own invaluable knowledge to transform the applications they use every day.”

“Generative AI holds enormous potential for enterprises—it can help them reinvent how they work, strengthen their services, differentiate themselves and reach new levels of performance,” said Julie Sweet, chair and CEO, Accenture. “Our expanded partnership with ServiceNow and NVIDIA will apply our combined experience, expertise and insights to helping our clients create powerful, relevant and responsible generative AI use cases and more quickly realize the value of this transformative technology.”

The power of AI Lighthouse program will come to life for enterprise customers by:

- Reducing tedious manual work for customer service professionals, with overviews and insights to help them solve problems faster.
- Deflecting cases by promoting self-service options, empowering people, and delivering engaging experiences with natural human language.
- Generating content automatically, including intelligent search results, work notes, and knowledge base articles.
- Boosting developer productivity with intelligent recommendations for code.

Since May, ServiceNow has launched a slate of powerful generative AI capabilities, purpose-built for the Now Platform, and engaged with large pharmaceutical, financial services, manufacturing, and health care companies to test them in enterprise environments. The AI Lighthouse program will build on that early progress to collaborate on designing, developing, and implementing new generative AI use cases with a select group of customers across IT service management (ITSM), customer service management (CSM), and employee experience. NVIDIA accelerated computing and software, including NVIDIA DGX™ AI supercomputing and NVIDIA DGX Cloud, as well as NVIDIA NeMo™ LLM software, will provide full-stack computing for model training and tuning; ServiceNow will be the front-end workflow automation and intelligence platform; and Accenture will leverage its deep functional and industry knowledge and generative AI strategy, design and delivery experience to bring use cases to life for customers.

The ServiceNow platform automates workflows across the entire enterprise by connecting disparate departments, systems, and silos and automating processes to increase productivity and enable seamless work experiences. Now Assist is ServiceNow’s generative AI experience—purpose-built within the ServiceNow platform—designed to enable intelligent automation and accelerate productivity by simplifying repetitive tasks, increasing agility, and transforming the user experience.

NVIDIA AI software and accelerated computing provide the platform for generative AI deployments across industries. Enterprises can use NeMo and NVIDIA frameworks, optimized inference engines, and APIs to add intelligence to generative AI applications such as drug discovery, intelligent chatbots, search, and summarization.

Building on Accenture's recently announced \$3 billion investment in AI, this collaboration will tap into the Accenture Center for Advanced AI, with its deep focus on generative AI and large language models. Accenture will accelerate the design and engineering of domain-specific LLMs and generative AI capabilities within the ServiceNow platform to make functional and industry workflows more intelligent – from elevating agent productivity and impact with summarization of service history and recommended actions, to improving self-service quality and speed with AI-powered virtual agents. Accenture will use its infrastructure and IT service operations experience across the cloud continuum, coupled with its vast experience in helping clients across industries leverage generative AI, to accelerate value across the enterprise.

Tata Technologies collaborates with the Government of Chhattisgarh to transform Industrial Training Institutes (ITIs) into Industry 4.0 Technology Centres

22 July 2023

Tata Technologies, a global engineering and product development digital services company, announced that it has signed a 10-year Memorandum of Agreement (MoA) with the government of Chhattisgarh to modernize 36 government-owned ITIs in the state with a total project cost of INR 1188.36 Crores. This collaboration is an extension of Tata Technologies efforts to support projects of high social impact and complement the nation-building efforts of the Government. The upgraded ITIs will serve as skill incubation centres, strengthening the technical proficiency of students and potential employers. We believe that by training a workforce that is not only highly skilled on Industry 4.0 tools & technologies but also primed for faster industry deployment, these centres will stimulate the economic progression and holistic development of the state.

The Chhattisgarh government has launched various skill development initiatives to empower its diverse workforce and enable the state manufacturing and Micro, Small and Medium Enterprises (MSME) industry. This includes schemes like Kaushal Vikas Yojana for training youth on healthcare, agriculture, manufacturing, and services as well as Skill-on-Wheels for remote area training. The state government's initiatives of Suraji Gaon Yojana, aiming to establish Gauthans, are becoming centers of employment in the agriculture and animal husbandry sectors. We believe that this collaboration between Tata Technologies and Chhattisgarh government will strengthen the government's effort towards upskilling youth on some of the latest technologies as well as attract investments from businesses desirous of adoption Industry 4.0 manufacturing practices.

Tata Technologies is collaborating with 20 global industry partners to upgrade the ITIs which will offer six new trades and 23 new short-term courses that cater to Industry 4.0 demands. The upgraded ITIs will train over 10,000 students annually at full capacity. It will facilitate upskilling in sectors related to Industry 4.0, Product Design & Development, Product Verification and Virtual analysis, Design for Artisans and Handicrafts, Additive manufacturing (3D printing), Modern Automotive Maintenance Repair and Overhaul, Battery Electric Vehicle Training, IoT and Digital Instrumentation, Process Control and Automation with HMI, PLC SCADA, Advanced Manufacturing and Prototyping, Industrial Robotics with arc welding, AI-based Virtual Welding & Painting, Advanced Plumbing, Digital Meters, Agriculture and Horticulture, and much more.

The MOA signing ceremony was graced by the Hon'ble Chief Minister of Chhattisgarh, Shri Bhupesh Baghel along with other dignitaries from Chhattisgarh Government and Leadership team of Tata Technologies.

Sharing his thoughts on the collaboration, the **Honourable Chief Minister of Chhattisgarh, Shri Bhupesh Baghel**, said, "We are determined to nurture the potential of Chhattisgarh's youth, to accelerate the state's industrial growth and economic advancement. Our strategic collaboration with Tata Technologies will empower the youth, arming them with a comprehensive understanding of Industry 4.0 technologies and enhancing their employability while also bolstering the state's industrial landscape through the provision of adept, ready-to-serve human capital."

Commenting on the collaboration, **Mr. Warren Harris, CEO & Managing Director, Tata Technologies**, said, "We are delighted to extend our collaborative efforts in upskilling the youth by collaborating with the Government of Chhattisgarh. The significant step towards upskilling the young engineers with Industry 4.0 technology, aligns with our vision of engineering a better world, which includes a better future for the youth at Chhattisgarh."

Speaking at the occasion, **Dr Alok Shukla, Principal Secretary, Technical Education, Chhattisgarh**, said, "Our collaboration with Tata Technologies to upgrade ITIs focuses on aligning the education, knowledge, and skills of young individuals with demands of Industry at Chhattisgarh. Equipping them with the latest technologies will bridge the gap between demand and supply of skilled workforce thereby creating more job opportunities and encouraging the youth to build their careers in the state. This will also establish the state as a coveted investment destination for industries looking to embrace Industry 4.0 and smart technologies for their manufacturing processes."

Commenting on the collaboration, **Mr. Pawan Bhageria – President, Global HR, IT Admin and Education, Tata Technologies**, said, "We are excited to join hands with the Government of Chhattisgarh in this collaboration towards empowering the youth with skills for Industry 4.0. We are leveraging our product engineering expertise and manufacturing domain knowledge to deliver an industry-ready courseware and training platform that we believe will create a new era of digital skill development, offering a brighter future for the youth of Chhattisgarh."

Tim Negris Joins MOCA Systems, Inc. as CMO

25 July 2023

MOCA Systems, Inc. (MSI), a leading provider of solutions for complex construction management, is pleased to announce that Tim Negris, previously marketing head for AI innovator Spell, Inc. until its acquisition by Reddit, has joined MSI's executive team as Chief Marketing Officer. In this role, Negris will lead marketing to increase global visibility and demand for MSI's award-winning services and software solutions.

"Tim's experience and accomplishments as a global marketing executive at Oracle, IBM, and other major technology companies, as well as a host of innovative software startups, brings valuable perspective and capabilities to MSI's growing marketing organization," said Sandy Hamby, President & CEO of MOCA Systems, Inc. "He has a stunning, decades-long track record

as a marketer and thought leader in introducing innovative solutions for real-time data management, advanced analytics, business process automation, and applied artificial intelligence to the world's largest companies. He will be a valuable addition to the MSI team contributing to our accelerating growth and leadership in the complex construction industry.”

Negris began his career as the first product manager for what is now Microsoft SQL Server. Later, with Larry Ellison at Oracle, he conceived and led the introduction of “Thin Client” computing, a key precursor to the cloud. Most recently, he fostered the now widely adopted concept of Deep Learning Operations (DLOPS) software for advanced AI at Spell before its assimilation by Reddit.

“In an industry where large projects fail to meet schedule, budget, and/or expectations more than 90 percent of the time, MSI’s customers boast a greater than 90 percent success rate. That is a fact that surprisingly few people know, and my mission is to change that. A great untold story is any marketer’s dream, and I am really looking forward to telling this one,” Negris said.

Wipro and Pure Storage Collaborate to Drive Sustainable Technology in Data Storage and Data Centers

24 July 2023

Wipro Limited, a leading technology services and consulting company, announced that Wipro FullStride Cloud has partnered with Pure Storage, a provider of enterprise data storage solutions, to help clients accelerate their sustainability journey through the power of technology. The goal is to empower customers to drive a more sustainable data center footprint by providing more efficient strategies to minimize the environmental impact.

Wipro and Pure Storage will leverage their sustainability and technological expertise to incorporate sustainable technology industry best practices into clients’ technology infrastructure. This will include implementing improvements, guided by global industry standards, in overall data center footprint, direct carbon emissions in data storage systems and increased power efficiency.

An additional impact priority for the partnership will be around e-waste reduction. Instead of following the traditional method of replacing entire systems during hardware upgrades, the focus will be on continually upgrading an array of components. This approach promotes resource efficiency and contributes to a circular economy by extending the lifecycle of technology assets.

As an example, Wipro’s Sustainable Technology & Impact intelligence solutions provide visibility and valuable insights into critical infrastructure by monitoring and managing assets Impact.

Stephanie Trautman, Chief Growth Officer, Wipro Limited, said, “Customers today are looking for sustainable technology infrastructure. Together with Pure Storage, we’re helping to meet this need in the area of data storage and in data centers. Our approach involves assessing, identifying, implementing, and monitoring sustainable technologies that optimize resource utilization and manage down waste, emissions, and energy impacts.”

“Pure and Wipro have a shared vision for sustainability, where organizations are able to dramatically decrease their environmental impact without compromising IT performance or experience. We are proud to partner with Wipro to help our joint customers achieve their sustainability goals.” said **Charles Giancarlo, Chairman and CEO, Pure Storage**.

Jo Debecker, Global Head of Wipro FullStride Cloud, said “Working with Pure Storage's solutions as the cornerstone of a hybrid cloud storage strategy, we recently helped a joint customer improve application performance, reduce storage costs, enhance data protection and disaster recovery capabilities while reducing data center storage footprint and carbon emissions by over 90%. Together, Wipro and Pure Storage can be a true transformation and strategic partner for enterprises today.”

Financial News

ABB - Q2 2023 results

20 July 2023

Q2 2023

- Orders \$8,667 million, -2%; comparable¹ +2%
- Revenues \$8,163 million, +13%; comparable +17%
- Income from operations \$1,298 million; margin 15.9%
- Operational EBITA¹ \$1,425 million; margin¹ 17.5%
- Basic EPS \$0.49; +145%²
- Cash flow from operating activities⁴ \$760 million

KEY FIGURES

(\$ millions, unless otherwise indicated)	CHANGE				CHANGE			
	Q2 2023	Q2 2022	US\$	Comparable ¹	H1 2023	H1 2022	US\$	Comparable ¹
Orders	8,667	8,807	-2%	2%	18,117	18,180	0%	6%

Revenues	8,163	7,251	13%	17%	16,022	14,216	13%	19%
Gross Profit	2,888	2,290	26%		5,604	4,571	23%	
as % of revenues	35.4%	31.6%	+3.8 pts		35.0%	32.2%	+2.8 pts	
Income from operations	1,298	587	121%		2,496	1,444	73%	
Operational EBITA ¹	1,425	1,136	25%	26% ³	2,702	2,133	27%	29% ³
as % of operational revenues ¹	17.5%	15.5%	+2 pts		16.9%	14.9%	+2 pts	
Income from continuing operations, net of tax	932	406	130%		1,997	1,049	90%	
Net income attributable to ABB	906	379	139%		1,942	983	98%	

Basic earnings per share (\$)	0.49	0.20	145 % ²	1.04	0.51	104 % ²
Cash flow from operating activities ⁴	760	382	99%	1,042	(191)	n.a.

¹For a reconciliation of non-GAAP measures, see “supplemental reconciliations and definitions” in the attached Q2 2023 Financial Information.

²EPS growth rates are computed using unrounded amounts.

³Constant currency (not adjusted for portfolio changes).

⁴Amount represents total for both continuing and discontinued operations.

"The positive book-to-bill ratio and new record-high Operational EBITA earnings and margin add to our confidence about ABB's 2023 outcome allowing us to sharpen our margin expectations."

Björn Rosengren, CEO

CEO summary

To summarize the outcome in the second quarter, I would first highlight the 2% comparable order growth which was up from last year's already high level, and the positive book-to-bill. It was good to see that the customer activity remained robust throughout the period. Secondly, the high revenue growth of 13% (17% comparable) supported by backlog execution. Thirdly, the record-high achievements on both absolute Operational EBITA of \$1.4 billion and Operational EBITA margin of 17.5%, up 200 basis points from last year, with all four business areas above 15%. This was supported by a strong price contribution which more than offset labor inflation as well as some limited cost inflation related to commodities, with additional support from operational leverage on increased volumes in production. And lastly, the solid cash flow from operating activities of \$760 million. All the while we executed on portfolio optimization and continued to introduce leading new technology to help our customers become more sustainable and resource efficient. In my view, the quarter is an additional indication that we are establishing ABB's operational performance at a higher level.

Order momentum was strongest in the systems- and project-related businesses, driven predominantly by the medium voltage segment and process-related industries. This offset some softening from last year's high order level in the short-cycle business, mainly evident in the residential construction segment and across the board in discrete manufacturing where

customers normalize order patterns in the face of shortening delivery lead times. In total, the book-to-bill ratio was 1.06 driven by three out of four business areas, and we further increased order backlog.

It was good to see our cash flow from operating activities improve by \$378 million from last year and I expect us to improve cash conversion from here onwards. Over the first six months we have generated just over \$1 billion in Cash flow from operating activities, which helps position us well for what I expect to be a good cash delivery this year.

As announced earlier in the quarter, we experienced an IT security incident. I am grateful to our teams for the handling of the challenge and containment of the incident, and as a result we have had no consequential material financial impact in the quarter.

Just after the end of the second quarter, we successfully closed the divestment of the Power Conversion division at around \$500 million. As a result, we expect to record a non-operational book gain estimated at approximately \$50 million in Income from operations in the third quarter of 2023. With this transaction, we have completed all divisional portfolio divestments announced at the end of 2020. That said, we continuously review the product groups within all divisions to optimize the portfolio.

The small acquisition of Eve Systems is another example of our portfolio actions, this time by the Smart Buildings division in business area Electrification. With around 50 employees, Eve generated approximately \$20 million in revenues in 2022. It is a pioneer in the new Matter connectivity standard which enables smart home products to be fully interoperable, irrespective of the manufacturer and user operating system, via Thread wireless technology for consumer-facing products tailored to the retrofit market.

I was pleased to see Process Automation unveil its new revolutionary propulsion concept initially aimed primarily at small- to medium-sized vessels, complementing its current market leading Azipod® offering for larger vessels. This industry-first electric propulsion concept ABB Dynafin™ mimics the movements of a whale tail for ultimate efficiency and emissions avoidance as it is set to reduce propulsion energy consumption by up to 22% compared to conventional shaftlines. The first commercial prototype is expected to be available in 2025.

Outlook

In the **third quarter of 2023**, we anticipate a low double-digit comparable revenue growth and the Operational EBITA margin to be slightly up from the 16.6% reported in the third quarter last year.

In full-year 2023, despite current market uncertainty, we anticipate comparable revenue growth to be at least 10% and we expect Operational EBITA margin to be above 16%.

Atos - H1 2023 results

28 July 2023

Atos, a global leader in digital transformation, high-performance computing and information technology infrastructure, announces its financial results for the first half of 2023.

Atos' leadership team, Nourdine Bihmane, Diane Galbe and Philippe Oliva, declared: "Atos H1 results reflect our continued operational improvement and demonstrate the effectiveness of our strategy. Our robust H1 organic growth prompted an upgrade to our full-year outlook, and our operating margin more than tripled compared to H1 last year, thanks to strong execution of our transformative initiatives. While we improved our underlying operational cash generation by €144 million, our free cash flow reflects the intense pace of delivery on our major transformative actions carried out through 2023, including margin expansion through restructuring and tackling underperforming contracts, internal carve-out and working capital normalization. We have achieved key milestones in our strategic project, notably the successful completion of separating our internal operations into two entities, enabling us to sharpen our focus, enhance our agility and better serve our customers. Within a 12-month timeframe, we have also fully secured our €700 million disposal program of non-core businesses, which has streamlined our portfolio and contributed to the financing of our ongoing transformation. We would like to express our gratitude to all Atos teams for their unwavering dedication and commitment, which have played a decisive role in the results achieved so far."

<i>In € million</i>	H1 2023	H1 2022
Revenue	5,548	5,563
<i>Organic growth</i>	+2.3%	-2.1%
<i>Growth at constant currency</i>	+0.5%	-0.6%
Operating Margin	212	59
<i>In % of revenue</i>	3.8%	1.1%
OMDA	487	369
<i>In % of revenue</i>	8.8%	6.6%

Normalized Net income (loss)	-113	-119
Net income (loss)	-600	-503
Free Cash Flow	-969	-555
Net debt	2,321	1,792

H1 2023 performance highlights

Strong commercial traction in Q2

Commercial traction improved significantly in Q2, with a 112% **Book-to-bill** at the Group level, compared to 73% in Q1. The implementation of distinct go-to-market strategies for the two perimeters is producing tangible results.

Eviden's book-to-bill was 119% in Q2, well balanced between Digital, Big Data and Cybersecurity, with a solid order entry (+50% vs. Q1 2023) showcasing the strong differentiating factors that set Eviden apart, including unique secured cloud migration capabilities and deep expertise in selected industries. As an illustration Eviden won a contract with a major healthcare company in the US for public cloud migration combining application development and cybersecurity. In Q2, Eviden also continued to focus on short-term revenue generation contracts (48% of Q2 order entry was made of contracts with durations below 18 months).

Tech Foundations' book-to-bill was 106% in Q2, exceeding 100% for the first time since the business line was created in Q2 2022, compared to 67% last year. Tech Foundations began reaping the benefits of its refocused go-to-market strategy, improving fertilization of its top 100 accounts and successfully driving revenue retention, notably in the US where Tech Foundations secured major long-term contract renewals in Q2, demonstrating its ability to foster long-lasting customer relationships. As an example, Tech Foundations renewed a contract with the Texas Department of Information Resources for private cloud and mainframe-as-a-service, delivering adaptative, resilient and cost-effective services to over 35 state agencies.

Robust organic revenue growth

Group revenue was €5,548 million in H1 2023, up +2.3% on an organic basis, as robust business trends continued into Q2. **Eviden** delivered +7.0% organic growth in H1 (+4.6% in Q2). Digital Security achieved strong growth, fueled by Eviden's leadership and innovation in cybersecurity. In June 2023, Eviden partnered with AWS to launch Alsaac Cyber Mesh, a cutting-edge cybersecurity detection and response solution powered by generative AI technologies. Advanced computing grew strongly, driven by HPC and high-end servers designed for artificial intelligence and machine learning. Despite some impacts from contract portfolio rationalization in H1 2023, Digital's organic growth improved significantly compared to the same period last

year, driven by smart platforms and cloud transformation services, along with positive trends in the public sector in Europe.

Tech Foundations' core business revenue^[1] was broadly stable in H1 (-0.1% organic). The decline of Hybrid Cloud & Infrastructure continued to soften, while other core business lines posted moderate growth. Simultaneously, Tech Foundations remained committed to reducing non-core activities (BPO, hardware & software resale) as part of its ongoing portfolio reshaping efforts. UCC, in the process of being divested, grew its revenue in H1. As a result, Tech Foundations recorded a slight organic decrease of -1.6% in total revenue in H1 2023.

At the Group level, changes in perimeter accounted for -1.7%, primarily reflecting the divestment of Atos Italian operations, finalized on April 3, 2023, and of Russian activities in September 2022. Foreign exchange contributed -0.8%, mainly reflecting the depreciation of the Pound Sterling against the Euro over the period.

Strong improvement in operating margin

Operating margin was €212 million, or 3.8% of revenue, a strong improvement compared to H1 2022 (€59 million or 1.1% of revenue). Eviden's operating margin was € 138 million, or 5.3% of revenue, a substantial increase compared to 3.5% in H1 2022. Despite continued cost inflation, Eviden demonstrated improvements across all activities, resulting from effective cost take-out actions, portfolio rationalization, and higher fixed costs absorption in Advanced Computing.

Tech Foundations' operating margin amounted to €73 million, or 2.5% of revenue, compared to -1.0% in H1 2022. Tech Foundations is making steady progress on its comprehensive margin expansion plan targeting €1.2 billion in gross benefits by 2026. As of June 2023, 32% of this target has already been achieved, translating into a € 230 million gross increment in operating margin in H1 2023 alone, partly offset by cost inflation, backfills and revenue decrease. This achievement was primarily driven by 900 headcount reductions in high-cost countries during H1, bringing the total to c. 1,600 since the plan's inception.

Free cash flow and net debt

Atos' **adjusted cash flow from operations**^[2] showed a notable €144 million improvement, at €-200 million in H1 2023, compared to H1 2022 (€-344 million), demonstrating the tangible progress made in enhancing the Group's underlying operational cash generation through better OMDA and strict control of capital expenditure and leases. Including the impact of transformative actions and associated costs (€-274 million), as well as a one-off working capital normalization impact in the context of the Group's transformation (approximately €-250 million), free cash flow was €-969 million in H1 2023.

Net debt was €-2,321 million at the end of June 2023, compared to €-1,792 million at the end of June 2022.

2023 full-year outlook

In 2023, **Group revenue organic growth** is now expected between 0.0% and +2.0% (previously: -1.0% to +1.0%), with an acceleration of Eviden's organic growth compared to 2022 and a managed reduction of Tech Foundations' revenue resulting from portfolio reshaping.

Group operating margin[3] outlook remains unchanged, at 4% to 5%. Eviden's operating margin is expected to increase compared to 2022, while Tech Foundations' operating margin is expected in positive territories.

Free cash flow for the full year is expected to remain broadly similar to that of H1.

Major achievements in strategic transformation project

Completion of operational carve-out

Atos announces the completion of its internal operational carve-out within a 12-month timeframe. This is a decisive step in the execution of Atos' strategic transformation project.

Primary local carve-outs and underlying separation activities have been successfully executed in all countries[4]. These include legal entity operationalization, and the transfer of employees, contracts, assets and liabilities to new legal entities where legal and regulatory laws allow.

As a result, Tech Foundations and Eviden are now fully operational as separate entities within the Atos Group. Each entity has a distinct operating model, go-to-market strategy and a focused portfolio, enabling them to cater to specific customer needs. Atos has therefore completed the rollout of its new client-centric organization fostering innovation, performance and consistent value delivery to all of the Group's stakeholders.

€700 million divestment program fully secured and expanded by an additional €400 million

On July 3rd, 2023, Atos announced it had entered into exclusive negotiations with Schneider Electric for the sale of 100% of EcoAct. This proposed transaction, combined with the other divestments already successfully closed or secured, would allow Atos to complete its non-core businesses divestment program of €700 million set during the Group's Capital Markets Day on June 14, 2022. This achievement highlights Atos' determination to swiftly execute this program, which streamlines the Group's portfolio and contributes to the financing of its ongoing transformation.

When devising its divestment program and refining the scope of its two future entities, the Group identified additional opportunities to rationalize its portfolio, which have already garnered expressions of interests. As a result, the divestment program is expanded by an additional €400 million.

Human resources

Total headcount was 107,013 at the end of June 2023, down -3.4% compared to 110,797 at the end of December 2022 (-1.9% organically).

In H1 2023, Atos hired 8,431 new employees (gross), effectively offsetting voluntary attrition, which stood at 18% at the end of June on a trailing twelve-month basis, and 15% in Q2 alone. The reduction in Group headcount was due to restructuring and performance-related terminations, resulting in 2,404 exits in H1. Additionally, the divestment of Atos Italia in Q2 2022 accounted for a reduction of 1,647 employees.

Analyst and investor conference call

Atos' Management invites you to an international conference call on the Group first half 2023 results, on **Friday, July 28, 2023 at 09:00 am (CET – Paris)**.

You can join the **webcast** of the conference:

- via the following link: <https://edge.media-server.com/mmc/p/asskej2s>
- by telephone with the dial-in, 10 minutes prior the starting time. Please note that if you want to join the webcast by telephone, **you must register in advance of the conference** using the following link: <https://register.vevent.com/register/B1c37aebd991a74fd0841095e7843f6e9f>

Upon registration, you will be provided with Participant Dial In Numbers, a Direct Event Passcode and a unique Registrant ID. Call reminders will also be sent via email the day prior to the event.

During the 10 minutes prior to the beginning of the call, you will need to use the conference access information provided in the email received upon registration.

After the conference, a replay of the webcast will be available on [atos.net](https://www.atos.net), in the Investors section.

Cadence Reports Second Quarter 2023 Financial Results

25 July 2023

Cadence Design Systems, Inc. announced results for the second quarter of 2023.

Cadence reported second quarter 2023 revenue of \$977 million, compared to revenue of \$858 million for the same period in 2022. On a GAAP basis, Cadence achieved operating margin of 31 percent and recognized net income of \$221 million, or \$0.81 per share on a diluted basis, in the second quarter of 2023, compared to operating margin of 33 percent and net income of \$187 million, or \$0.68 per share on a diluted basis, for the same period in 2022.

Using the non-GAAP measures defined below, operating margin for the second quarter of 2023 was 42 percent and net income was \$334 million, or \$1.22 per share on a diluted basis, compared to operating margin of 42 percent and net income of \$298 million, or \$1.08 per share on a diluted basis, for the same period in 2022.

“Cadence delivered excellent results for the second quarter of 2023, with strong ongoing customer demand for our innovative technologies,” said Anirudh Devgan, president and chief executive officer. “With its unparalleled promise, Generative AI is beginning to make a significant impact globally. Our dedicated focus on AI over the past several years, combined with our computational software expertise and invaluable data that lies at the core of AI, uniquely positions us to deliver to the tremendous potential of this transformative technology.”

“We achieved another quarter of strong financial results and are raising our revenue, operating margin and EPS guidance for 2023 yet again,” said John Wall, senior vice president and chief financial officer. “Our revenue outlook for the second half represents a year-over-year growth

of approximately 15%, allowing us to raise our 2023 revenue guidance to more than 14% growth over 2022.”

CFO Commentary

Commentary on the second quarter 2023 financial results by John Wall, senior vice president and chief financial officer, is available at www.cadence.com/cadence/investor_relations.

Business Outlook

For the second half of 2023, the company expects total revenue in the range of \$2.052 billion to \$2.092 billion. Second half GAAP operating margin is expected to be in the range of 30 percent to 31 percent and GAAP net income per diluted share is expected to be in the range of \$1.65 to \$1.71. Using the non-GAAP measures defined below, operating margin is expected to be in the range of 41 percent to 42 percent and net income per diluted share is expected to be in the range of \$2.54 to \$2.60.

For fiscal year 2023, the company expects total revenue in the range of \$4.05 billion to \$4.09 billion. On a GAAP basis, operating margin for 2023 is expected to be in the range of 30.2 percent to 31.2 percent and GAAP net income per diluted share for 2023 is expected to be in the range of \$3.35 to \$3.41. Using the non-GAAP measures defined below, operating margin for 2023 is expected to be in the range of 41.2 percent to 42.2 percent and net income per diluted share for 2023 is expected to be in the range of \$5.05 to \$5.11.

The company utilizes a long-term projected non-GAAP tax rate, which reflects currently available information, as well as other factors and assumptions. The non-GAAP tax rate could be subject to change for a variety of reasons, including the rapidly evolving global tax environment, significant changes in the company’s geographic earnings mix, or other changes to the company’s strategy or business operations. The company expects to use this normalized non-GAAP tax rate through fiscal 2025 but will re-evaluate this rate periodically for significant items that may materially affect its projections.

A schedule showing reconciliations of the business outlook from GAAP operating margin, GAAP net income and GAAP diluted net income per share to non-GAAP operating margin, non-GAAP net income and non-GAAP diluted net income per share, respectively, is included in this press release.

Audio Webcast Scheduled

Anirudh Devgan, president and chief executive officer, and John Wall, senior vice president and chief financial officer, will host the second quarter 2023 financial results audio webcast today, July 24, 2023, at 2 p.m. (Pacific) / 5 p.m. (Eastern). Attendees are asked to register at the website at least 10 minutes prior to the scheduled webcast. An archive of the webcast will be available starting July 24, 2023 at 5 p.m. (Pacific) and ending September 15, 2023 at 5 p.m. (Pacific). Webcast access is available at www.cadence.com/cadence/investor_relations.

Cappgemini - 2023 H1 Results

28 July 2023

The Board of Directors of Cappgemini SE, chaired by Paul Hermelin, convened yesterday in Paris to review and adopt the accounts of Cappgemini Group for the first half of 2023.

Aiman Ezzat, Chief Executive Officer of the Cappgemini Group, said: *“The Group delivered another solid performance in the first half. In a softer economic environment, as expected, we achieved 7.9% revenue growth at constant exchange rates and operating margin improvement. These results put us among the leaders in our industry.*

Thanks to a strong strategic positioning, we continue to gain market share as we accompany our clients in their transition towards a digital and sustainable economy.

I am convinced that generative AI will play a major role in this transition. The Group will invest €2 billion in Artificial Intelligence to build its leadership in this breakthrough technology, that must be deployed responsibly, reliably, and sustainably. We are developing a portfolio of industry-specific offers and signing strategic partnerships, notably with Google Cloud and Microsoft, while training most of our workforce through our Data & AI Campus to fully leverage the power of generative AI in our operations. We have many client projects underway, a strong pipeline, and plan to double Data & AI teams to 60,000 in the next three years.

We confirm all our 2023 objectives announced at the beginning of the year for revenue growth, operating margin improvement and free cash flow.”

1ST HALF KEY FIGURES

<i>(in millions of euros)</i>	H1 2022	H1 2023	Change
Revenues	10,688	11,426	+6.9%
Operating margin *	1,301	1,413	+9%
<i>as a % of revenues</i>	12.2%	12.4%	+0.2pt
Operating profit	1,068	1,151	+8%
<i>as a % of revenues</i>	10.0%	10.1%	+0.1pt
Net profit (Group share)	667	809	+21%

Basic earnings per share (€)	3.91	4.70	
Normalized earnings per share (€)*	5.03 ^a	5.80	
Organic free cash flow*	193	-53	-246
Net cash / (Net debt)*	(4,094)	(3,244)	

^a Excluding tax expenses of 29 million euros in H1 2022, related to the impact of the US tax reform.

Capgemini generated **revenues** of €11,426 million in H1 2023, up +6.9% on a reported basis and +7.9% at constant exchange rates. Organic growth* (i.e., excluding the impacts of currency fluctuations and changes in Group scope) is +7.3%.

After two years of record growth, the more challenging macro-economic environment led to a slowdown in line with Group expectations. Capgemini growth in the second quarter was therefore lower than in the first, reaching +5.2% at constant exchange rates and +4.7% on an organic basis, despite a particularly demanding comparison base (growth at constant exchange rates of +19.3% in Q2 2022).

This performance is driven by good momentum in Capgemini's high added-value services, particularly in the area of Intelligent Industry, as well as in activities driven by Cloud, Data & Artificial Intelligence, which are the foundation of Group clients' major digital transformation projects.

Bookings totaled €11,968 million in the first half of 2023. Given the particularly demanding comparison base, with growth of +22% in H1 2022, this represents an increase of +4% at constant exchange rates. The book-to-bill ratio is 1.05 for H1, reflecting ongoing robust commercial momentum.

The **operating margin*** is €1,413 million, or 12.4% of revenues, an increase of +9% or +20 basis points year-on-year. In line with Group expectations, the shift in the project mix, towards more innovative and value creating offers, more than offset the higher operating cost base.

Other operating income and expenses represent a net expense of €262 million, up €29 million year-on-year.

Capgemini's **operating profit** is therefore up +8% at €1,151 million, or 10.1% of revenues.

The **net financial expense** is €22 million, down €49 million on H1 2022.

The **income tax** expense is €313 million. The effective tax rate is 27.8% in H1 2023, compared with 29.9% in H1 2022 (excluding tax expenses related to the impact of the US tax reform^[2]).

Taking into account the share of profits of associates and non-controlling interests for -€7 million, the **Group share in net profit** is up +21% year-on-year at €809 million for the first six months of 2023. **Basic earnings per share** also rose by +20% year-on-year to €4.70. **Normalized earnings per share**^{*} reached €5.80, compared with €4.87 in H1 2022 and €5.03 excluding tax expenses related to the impact of the US tax reform.

Finally, as anticipated, **organic free cash flow**^{*} generation was negative for the first half of 2023, at -€53 million.

OPERATIONS BY REGION

The **United Kingdom and Ireland** region (12% of Group revenues in H1 2023) reported robust growth of +12.0% at constant exchange rates. This performance was mainly driven by Public Sector and Manufacturing, Consumer Goods & Retail and Financial Services sectors. Operating margin remains at the same high level as in H1 2022, at 18.4%.

The **Rest of Europe** region (30% of Group revenues) remained very dynamic, with growth of +11.4% at constant exchange rates. This was mainly driven by Manufacturing and Public Sector, while Financial Services, TMT (Telecoms, Media and Technology) and Energy & Utilities continued to perform well. Operating margin was up 70 basis points to reach 10.5%.

France (20% of Group revenues) reported revenue growth of +9.2% at constant exchange rates driven primarily by strong growth in Manufacturing, in addition to continued growth in Financial Services, Consumer Goods & Retail and Public Sector. Operating margin improved by 40 basis points year-on-year, to reach 11.1%.

Revenues in **North America** (29% of Group revenues) reported a moderate growth of +3.0% at constant exchange rates. The Manufacturing and Services sectors remained buoyant. By contrast, the Financial Services sector reported limited growth, while TMT and Consumer Goods & Retail sectors contracted slightly. Operating margin was 15.2%, compared to 15.5% in the first half of 2022.

Finally, revenues in **Asia-Pacific and Latin America** region (9% of Group revenues) increased by +4.8% at constant exchange rates. This growth was driven exclusively by Asia-Pacific region's momentum – now essentially organic – which was fueled by the Manufacturing, Consumer Goods & Retail and Financial Services sectors. The region reported an operating margin of 10.2%, up from 9.7% in H1 2022.

OPERATIONS BY BUSINESS

Strategy & Transformation services (8% of Group total revenues* in H1 2023) posted growth in total revenues of +12.2% at constant exchange rates compared to H1 2022. This ongoing sustained momentum reflects the importance placed by Group clients on the most strategic and value-creating projects.

Applications & Technology services (63% of Group revenues and Capgemini's core business) recorded solid growth in total revenues of +8.1% at constant exchange rates.

Finally, **Operations & Engineering** total revenues (29% of Group revenues) grew +6.1% at constant exchange rates.

OPERATIONS IN Q2 2023

Capgemini's performance in Q2 2023 was a prolongation of the trends observed since the beginning of the year, extending as expected the gradual slowdown that began in the previous quarter. Group revenues totaled €5,697 million, up +5.2% at constant exchange rates and +4.7% adjusted for Group scope and exchange rate impacts.

Momentum remained robust in the United Kingdom and Ireland and Rest of Europe regions in Q2, with constant currency revenue growth of +10.2% and +9.0%, respectively, underpinned by strong growth in Manufacturing and Public Sector. Activity remained buoyant in France, with revenues up +6.2% also supported by the dynamic Manufacturing sector. As in the previous quarter, the deceleration in North America was stronger than at Group level. Revenues in the region were stable at constant exchange rates on Q2 2022, penalized by the contraction recorded in Consumer Goods & Retail and TMT sectors, as well as a marked slowdown in Financial Services. Finally, revenues in the Asia-Pacific and Latin America region increased moderately by +1.4%.

Bookings reached €6,101 million in the second quarter. Given the particularly demanding comparison base, this represents an increase of +1% at constant exchange rates. The book-to-bill ratio of 1.07 is above last years' average for a Q2.

HEADCOUNT

At June 30, 2023, the Group's total headcount stood at 349,500, down slightly by -1% year-on-year. The "onshore" workforce nonetheless grew by +3% to 148,300 employees, while the "offshore" workforce contracted by -3% to 201,200 employees, i.e., 58% of the total headcount.

BALANCE SHEET

Capgemini's balance sheet structure was relatively unchanged in H1 2023.

At June 30, 2023, the Group had cash and cash equivalents and cash management assets of €3.8 billion. After accounting for borrowings of €7.0 billion, Capgemini net debt* stands at €3.2 billion at June 30, 2023, compared with €4.1 billion at June 30, 2022 and €2.6 billion at December 31, 2022.

On the back of its solid cash position, the Group redeemed in full and at maturity its €1.0 billion bond issued in July 2015 after the H1 closing, on July 3, 2023.

OUTLOOK

The Group's financial targets for 2023 are:

- Revenue growth of +4% to +7% at constant currency;

- Operating margin of 13.0% to 13.2%;
- Organic free cash flow of around €1.8 billion.

The inorganic contribution to growth should be 0.5 points at the lower end of the target range and 1.0 point at the upper end.

CONFERENCE CALL

Aiman Ezzat, Chief Executive Officer, accompanied by Carole Ferrand, Chief Financial Officer, and Olivier Sevillia, Chief Operating Officer, will present this press release during a conference call in English to be held **today at 8.00 a.m. Paris time (CET)**. You can follow this conference call live via webcast at the following [link](#). A replay will also be available for a period of one year.

All documents relating to this publication will be posted on the Capgemini investor website at <https://investors.capgemini.com/en/>.

Dassault Systèmes: Availability of the 2023 Half-year Financial Report

26 July 2023

[Dassault Systèmes](#) today announced the availability to the public and the filing of its Half-Year Financial Report as of June 30, 2023 with the French *Autorité des marchés financiers*. The half-year condensed consolidated financial statements included in this report are established in accordance with the IFRS standards.

This Half-Year Financial Report is available on Dassault Systèmes' website at <https://investor.3ds.com/regulated-information/periodic-information>.

Hard Copies of the Half-Year Financial Report are also available upon request at Dassault Systèmes' headquarters, 10 rue Marcel Dassault – CS 40501, 78946 Vélizy-Villacoublay cedex, France.

Dassault Systèmes: Strong Second Quarter Results with Broad-Based Momentum, Reaffirming 2023 Objectives

25 July 2023

Dassault Systèmes announced IFRS unaudited financial results for the second quarter ended June 30, 2023. The Group's Board of Directors approved these results on July 24, 2023. This press release includes financial information on a non-IFRS basis and reconciliations with IFRS figures in the Appendix.

Summary Highlights

(unaudited, IFRS and non-IFRS unless otherwise noted, all revenue growth rates in constant currencies)

- 2Q23: Total revenue and software revenue increased 8%, well aligned with objectives, driven by recurring revenue, up 9%;
- 2Q23: Upfront licenses up 6%, driven by broad-based momentum;

- 2Q23: Non-IFRS Operating Margin¹ of 31.0%, outperforming the objective, while continuing to invest to support future growth;
- 2Q23: Non-IFRS Diluted EPS² up 7% to €0.28 as reported, or 15% in constant currencies, at the higher end of the objective range;
- FY2023: Reaffirming objectives of diluted EPS reaching €1.18-€1.20 and revenue growth of 8%-9%.

¹IFRS Operating Margin: 17.9%

²IFRS diluted EPS up 78% at €0.17

ESI Group Sets Dates for the Financial Earnings Calendar for the Rest of the 2023 Fiscal Year

26 July 2023

ESI Group, the world-renowned simulation and virtual prototyping software provider for industry, today announces its financial earnings calendar for the rest of the 2023 fiscal year:

- **September 14th, 2023 at 6 pm CET** (after the closing of the French market): second quarter 2023 earnings and first semester 2023 results
- **November 10th, 2023 at 6 pm CET** (after the closing of the French market): third quarter 2023 earnings

Given the pending acquisition offer of ESI Group by Keysight Technologies (NYSE: KEYS), ESI Group will issue a press release. There will be no earnings call or investor conference.

FARO to Announce Financial Results for the Second Quarter 2023 on August 2, 2023

20 July 2023

FARO[®] Technologies, Inc., a global leader in 4D digital reality solutions, announced that after market close on Wednesday, August 2, 2023, it will release its financial results for the second quarter ended June 30, 2023. In conjunction with the release, management will host a conference call on Wednesday, August 2, 2023, 2023 at 5:00 p.m. ET.

Interested parties can access the conference call by dialing 800-245-3047 (U.S.) or +1 203-518-9765 (International) and using the passcode FARO. **To avoid a delay in connecting to the call, please dial in 10 minutes prior to the start time.** A live webcast will be available in the Investor Relations section of FARO's website at: <https://www.faro.com/about-faro/investor-relations/events>

A replay of the webcast will be available in the Investor Relations section of the company's web site approximately two hours after the conclusion of the call and remain available for approximately 30 calendar days.

Hexagon Interim Report 1 January - 30 June 2023

26 July 2023

Second quarter 2023

- 8 per cent organic revenue growth (using fixed exchange rates and a comparable group structure)
- Reported operating net sales increased by 6 per cent to 1,366.0 MEUR (1,288.7). Net sales including the reduction of acquired deferred revenue amounted to 1,365.0 MEUR (1,282.3)
- Adjusted gross margin of 65.6 per cent (65.3)
- Adjusted operating earnings (EBIT1) increased by 4 per cent to 394.1 MEUR (378.5)
- Adjusted operating margin amounted to 28.9 per cent (29.4)
- Earnings before taxes, excluding adjustments, amounted to 357.9 MEUR (372.9)
- Net earnings, excluding adjustments, amounted to 293.4 MEUR (305.8)
- Earnings per share, excluding adjustments, amounted to 10.8 Euro cent (11.2)
- Operating cash flow before non-recurring items decreased to 212.5 MEUR (232.6)

IFS delivers 38% YoY revenue growth with sharp rise in demand for its AI capabilities

25 July 2023

IFS, the global cloud enterprise software company, announced its financial results for the first half of 2023 ending June 30th, with annual recurring revenue up a significant 55 percent year on year, cloud revenue up 55 percent and software revenue up 44 percent representing a 79 percent share of total revenue.

Despite the continued challenges posed by high inflation and monetary policy tightening, companies are further investing in technology. That said, with cloud, VR, RPA and IoT technology capabilities now seen as staple, the AI capability which IFS brings, embedded, natively to our customers is becoming a significant differentiator. This was confirmed in a recent IDC Info Brief* that indicated that capabilities that improve employee and asset productivity, build business resilience, and deliver faster time to value are more likely to secure the CFO's share of wallet.

IFS's roadmap remains firmly aligned to these trends with technology that accelerates intelligent insights and automation and optimizes people and assets. With AI well established throughout its automation, prediction, and optimization capabilities the company has seen a sharp increase in demand in H1 by both existing and new customers. As the new generation of AI matures, the company is set to accelerate innovation in this area and continue to deliver these capabilities in every new release.

Adding to the company's H1 success, in June, IFS acquired Poka, extending its capabilities with connected worker technology to empower factory and field workers to work smarter, safer and drive productivity and efficiency. Poka's customer base includes global brands such as Nestlé, Tetra Pak, Mars, Bosch and RioTinto. The acquisition positions IFS as the only vendor with

leading ERP, EAM and FSM capabilities now able to digitally connect workers across the end-to-end value chain.

During his 5 years tenure at IFS, CEO Darren Roos' north star has been to deliver what customers asked for. From exponentially growing the ecosystem to provide choice, to successfully integrating multiple acquisitions to add new capabilities. In that time, the company's also completed its own transformation and shifted its products and services business model to now being fully subscription-based. The company's H1 results show the dividends of this focus, with consistently high renewal rates across its products and services, combined with a notable increase in new customers.

IFS CEO Darren Roos commented: "These results are the culmination of 5 years of hard work in establishing our business as a thought leader and as a partner that has the agility to respond to the needs of its customers. **Roos added:** "We have consistently been able to adapt faster to market dynamics than much larger competitors. Our 37 percent, 5-year ARR CAGR, is a validation of our customer intimacy and focus,". **He concluded:** "I am proud of the ongoing commitment from our employees and partners and of the trust customers have shown us. The success of our organic and inorganic growth strategies is evidenced by our results and by our rankings as leaders year after year by customers and analysts."

IFS Chief Financial Officer, Matthias Heiden, commented: "The ongoing macro-economic challenges mean companies are thinking carefully about their technology investments and focus on what will help build business resilience. We see this reflected in the number of customers moving to IFS Cloud and in how customers are prioritizing when and where they extend their IFS footprint". **Heiden continued:** "With annual recurring revenue up 55 percent year on year, software revenue up 44 percent year on year and our success services up 68 percent year on year, our H1 results are signals of a robust outlook." **Heiden concluded:** "The traction we have seen in the US in the first half of the year points to solid market penetration and that the value IFS is delivering is resonating".

Through its software and success services, IFS is making it possible for customers to buy and consume technology in the way that creates the most value for them, so they can deliver amazing Moments of Service™.

Financial* and Operational Highlights for H1 FY2023:

- H1 FY2023 software revenue was EUR 392m, an increase of 44 percent versus H1 2022
- H1 FY2023 recurring revenue was EUR 373m, an increase of 49 percent versus H1 2022
- H1 FY2023 cloud revenue increased 55 percent versus H1 2022
- H1 FY2023 total revenue was EUR 493m, an increase of 38 percent versus H1 2022

*Note: all figures based in Euros and reported in constant currency.

In line with WorkWave establishing itself as a standalone business at the end of Q2 2021, the performance reported above excludes WorkWave's contribution to the IFS Group.

KORE Group Holdings to Report Second Quarter 2023 Financial Results on August 9, 2023

26 July 2023

KORE Group Holdings, Inc. ("KORE" or the "Company"), the global pure-play Internet of Things ("IoT") hyperscaler, and provider of IoT Connectivity, Solutions, and Analytics, announced that on Wednesday, August 9, 2023, after the U.S. market close it will release its financial results for the second quarter, which ended June 30, 2023. KORE will host a live webcast, followed by a question-and-answer period the same day at 5:00 p.m. Eastern time (2:00 p.m. Pacific time) to discuss the financial results.

Date: Wednesday, August 9, 2023

Time: 5:00 p.m. Eastern time (2:00 p.m. Pacific time)

Webcast Event: [Link](#)

U.S. dial-in: (877) 407-3039

International dial-in: (215) 268-9922

Conference ID: 13740057

The press release, webcast, and a supplemental slide presentation to accompany management's prepared remarks will be available via the webcast link and for download from the Company's investor relations website at ir.korewireless.com.

For the webcast, dial in 5-10 minutes before the start time, and an operator will register your name and organization, or you can register [here](#). If you have any difficulty with the conference call, please contact KORE investor relations at (678) 392-2386.

A webcast replay will be available approximately three hours after the webcast's conclusion. The replay will be accessible for thirty days from KORE's investor relations website ir.korewireless.com or by dialing (877) 660-6853 (in the U.S.) or (201) 612-7415 from outside the U.S. and using access ID 13740057.

PROS Holdings, Inc. Reports Second Quarter 2023 Financial Results

25 July 2023

PROS Holdings, Inc., a leading provider of AI-powered SaaS pricing, CPQ, revenue management, and digital offer marketing solutions, announced financial results for the second quarter ended June 30, 2023.

"We delivered an outstanding second quarter, exceeding our guidance ranges across all metrics, driving 14% subscription revenue growth, and delivering a more than 100% improvement to adjusted EBITDA year-over-year," stated CEO Andres Reiner. "Our performance in the first half of 2023 is a testament to the critical need for the PROS Platform in the market as businesses look to embrace digitization, automation, and AI to fuel profitable growth. Our passion for continuous AI innovation and delivering exceptional customer value is why we continue to welcome many new customers to PROS across the industries we serve."

Second Quarter 2023 Financial Highlights

Key financial results for the second quarter 2023 are shown below. Throughout this press release all dollar figures are in millions, except net (loss) earnings per share. Unless otherwise noted, all results are on a reported basis and are compared with the prior-year period.

	GAAP			Non-GAAP		
	Q2 2023	Q2 2022	Change	Q2 2023	Q2 2022	Change
Revenue:						
Total Revenue	\$75.8	\$68.4	11%	n/a	n/a	n/a
Subscription Revenue	\$57.3	\$50.4	14%	n/a	n/a	n/a
Subscription and Maintenance Revenue	\$62.4	\$57.6	8%	n/a	n/a	n/a
Profitability:						
Gross Profit	\$47.2	\$40.7	16%	\$49.4	\$43.4	14%
Operating (Loss) Income	\$(13.4)	\$(20.5)	\$7.2	\$(1.0)	\$(7.2)	\$6.2
Net (Loss) Income	\$(13.3)	\$(22.4)	\$9.1	\$(0.3)	\$(6.5)	\$6.2
Net (Loss) Earnings Per Share	\$(0.29)	\$(0.50)	\$0.21	\$(0.01)	\$(0.14)	\$0.13
Adjusted EBITDA	n/a	n/a	n/a	\$0.1	\$(6.0)	\$6.1
Cash:						
Net Cash Used in Operating Activities	\$(6.5)	\$(1.9)	\$(4.6)	n/a	n/a	n/a
Free Cash Flow	n/a	n/a	n/a	\$(6.2)	\$(2.2)	\$(4.0)

The attached table provides a summary of PROS results for the period, including a reconciliation of GAAP to non-GAAP metrics.

Recent Business Highlights

- Welcomed many new customers who are adopting the PROS Platform such as Condor, JSX, Novolex, Pipeline Supply & Services, PODS, Singapore Airlines Cargo, and XMA Limited, among others.
- Launched a new partnership with Adobe that combines Adobe's Commerce offering with PROS market leading CPQ product configuration capabilities, enabling Adobe

Commerce customers to power personalized products and offers through their eCommerce channels.

- Delivered the 2023 Outperform with PROS Conference which had PROS largest, in-person user conference turnout ever; the event featured over 50 customer speakers and attracted business leaders from around the globe eager to learn how to use digitization, automation, and AI to thrive in ever-changing markets.
- Hosted PROS 2023 Analyst Day on May 23, 2023 at the 2023 Outperform with PROS Conference where PROS executive management team presented PROS vision, strategy, and three-year financial projections.

Financial Outlook

PROS currently anticipates the following based on an estimated 46.7 million diluted weighted average shares outstanding for the third quarter of 2023 and a 22% non-GAAP estimated tax rate for the third quarter and full year 2023.

	Q3 2023 Guidance	v. Q3 2022 at Mid- Point	Full Year 2023 Guidance	v. Prior Year at Mid- Point
Total Revenue	\$75.0 to \$76.0	7%	\$300.0 to \$302.0	9%
Subscription Revenue	\$58.6 to \$59.1	14%	\$231.7 to \$233.7	14%
Subscription ARR	n/a	n/a	\$251.0 to \$254.0	11%
Non-GAAP Earnings Per Share	\$0.03 to \$0.04	\$0.10	n/a	n/a
Adjusted EBITDA	\$2.5 to \$3.5	\$5.2	\$5.5 to \$7.5	\$21.4
Free Cash Flow	n/a	n/a	\$2.5 to \$6.5	\$26.2

Conference Call

In conjunction with this announcement, PROS Holdings, Inc. will host a conference call on Tuesday, July 25, 2023, at 4:45 p.m. ET to discuss the Company’s financial results and business outlook. To access this call, dial 1-877-407-9039 (toll-free) or 1-201-689-8470. The live and archived webcasts of this call can be accessed under the “Investor Relations” section of the Company’s website at www.pros.com.

A telephone replay will be available until Tuesday, August 1, 2023, 11:59 PM ET at 1-844-512-2921 (toll-free) or 1-412-317-6671 using the pass code 13739818.

PTC Announces Third fiscal Quarter 2023 Results

26 July 2023

PTC reported financial results for its third fiscal quarter ended June 30, 2023.

"In our third fiscal quarter, we again delivered strong ARR and cash flow results that exceeded our guidance ranges. On both a reported and constant currency basis, our ARR growth was 25% – with organic growth of 14% and our ServiceMax® business contributing an additional 11 points of growth. In Q3, our cash from operations was \$169 million, up 45% year over year, and our free cash flow was \$164 million, up 46% year over year," said James Heppelmann, CEO, PTC.

"Our strong product portfolio, now increasingly differentiated with the addition of ServiceMax, and our industry-leading SaaS capabilities align well to the manufacturing industry's push for digital transformation. Our strong market position and solid execution, coupled with a subscription model, position PTC to deliver ARR and cash flow growth at peer-leading levels," concluded Heppelmann.

Third Quarter 2023 Highlights

Key operating and financial highlights are set forth below. For additional details, please refer to the Q3'23 earnings presentation and financial data tables that have been posted to the Investor Relations section of our website at investor.ptc.com. The definitions of our operating and non-GAAP financial measures and reconciliations of non-GAAP financial measures to comparable GAAP measures are included below and in the reconciliation tables at the end of this press release.

\$ in millions	Q3'23	Q3'22	YoY Change	Q3'23 Guidance
ARR as reported	\$1,929	\$1,544	25 %	
ARR at constant currency	\$1,868	\$1,496	25 %	\$1,845 - \$1,855
Organic ARR as reported	\$1,762	\$1,544	14 %	
Organic ARR at constant currency	\$1,703	\$1,496	14 %	
Cash from operations	\$169	\$117	45 %	~\$160
Free cash flow	\$164	\$112	46 %	~\$155
Revenue ¹	\$542	\$462	17 %	
Operating margin ¹	20 %	17 %	~300 bps	

Non-GAAP operating margin ¹	34 %	34 %	~40 bps		
Earnings per share ¹	\$0.51 ²	\$0.60 ²	-14% ²		
Non-GAAP earnings per share ¹	\$0.99 ²	\$0.97 ²	2% ²		
Total cash and cash equivalents	\$282	\$322	-13 %		
Gross debt	\$2,365 ³	\$1,434	65 %		

1 In Q3'23, revenue growth was 21% year over year on a constant currency basis. Revenue and, as a result, operating margin, operating profit, and earnings per share are impacted by revenue recognition under ASC 606.

2 In Q3'23, both EPS and non-GAAP EPS benefitted from higher revenue, partially offset by higher cost of revenue, operating expenses, and interest expense. Q3'22 EPS included a \$0.28 positive impact due to non-operational credits and a \$0.13 positive impact due to a tax adjustment, both of which were primarily related to the sale of a portion of our PLM services business.

3 Q3'23 gross debt includes a deferred acquisition payment related to ServiceMax of \$620 million, which will be paid in October 2023.

Fiscal 2023 and Q4'23 Guidance

"Despite a less than ideal macroeconomic backdrop, our financial results in the first nine months of our fiscal year were solid, driven by the resilience of our business model, consistent execution, operational discipline, and the actions we have taken to align our investments with our growth opportunities. Based on our performance in the first nine months of FY'23 and outlook for FY'23, we are raising our full year guidance midpoint for ARR and our guidance for cash flow, while investing in long-term growth opportunities," said Kristian Talvitie, CFO, PTC.

\$ in millions	FY'23 Previous Guidance	FY'23 Guidance	FY'23 YoY Growth Guidance	Q4'23 Guidance
ARR at Constant Currency	\$1,925 - \$1,950	\$1,935 - \$1,950	23% - 24%	\$1,935 - \$1,950
Cash from Operations	~\$600	~\$605	~39%	~\$44
Free Cash Flow	~\$580	~\$585	~41%	~\$42
Revenue	\$2,080 - \$2,140	\$2,090 - \$2,120	8% - 10%	\$540 - \$570

Earnings per share		\$2.14 - \$2.45	(19%) - (7%)	\$0.47 - \$0.77
Non-GAAP earnings per share		\$4.07 - \$4.38	(11%) - (4%)	\$0.95 - \$1.25

Reconciliation of Cash from Operations Guidance to Free Cash Flow Guidance

In millions	FY'23 Guidance	Q4'23 Guidance
Cash from Operations	~\$605	~\$44
Capital expenditures	(~\$20)	(~\$2)
Free Cash Flow	~\$585	~\$42

Reconciliation of EPS Guidance to Non-GAAP EPS Guidance

	FY'23 Guidance	Q4'23 Guidance
Earnings per share	\$2.14 - \$2.45 ¹	\$0.47 - \$0.77 ²
Stock-based compensation expense	~\$1.67	~\$0.43
Intangible asset amortization expense	~\$0.64	~\$0.18
Acquisition and transaction-related expense	~\$0.16	~\$0.01
Other non-operating expenses	~\$0.04	~\$0.00
Income tax adjustments related to the reconciling items	~(\$0.58)	~(\$0.14)
Non-GAAP Earnings per share	\$4.07 - \$4.38 ¹	\$0.95 - \$1.25 ²

1 Our FY'23 EPS and non-GAAP EPS guidance are both inclusive of an expected \$120 million in interest expense (\$95 million, net of tax) or \$1.01 per share (\$0.80 per share, net of tax). This compares to interest expense in FY'22 of \$51 million (\$40 million, net of tax) or \$0.43 per share (\$0.34 per share, net of tax) with the expected increase in FY'23 primarily due to an increase in debt.

2 Our Q4'23 EPS and non-GAAP EPS guidance are both inclusive of an expected \$34 million in interest expense (\$27 million, net of tax) or \$0.29 per share (\$0.23 per share, net of tax). This compares to interest expense in Q4'22 of \$14 million (\$11 million, net of tax) or \$0.12

per share (\$0.10 per share, net of tax) with the expected increase in Q4'23 primarily due to an increase in debt.

Our FY'23 and Q4'23 financial guidance include the assumptions below:

- We provide ARR guidance on a constant currency basis, using our FY'23 Plan foreign exchange rates (rates as of September 30, 2022) for all periods. Foreign exchange fluctuations during the first nine months of FY'23 had a favorable impact on our Q3'23 reported ARR, compared to our Q3'23 constant currency ARR. Using foreign exchange rates as of the end of Q3'23 and assuming the midpoint of our constant currency guidance ranges, FY'23 reported ARR guidance would be higher by approximately \$64 million, compared to FY'23 constant currency ARR guidance.
- For cash flow, due to invoicing seasonality, and consistent with the past 2 years, we expect Q4'23 to be our lowest cash flow generation quarter.
- Compared to FY'22, at the midpoint of FY'23 ARR guidance, FY'23 GAAP operating expenses are expected to increase approximately 7% to 8%, and FY'23 non-GAAP operating expenses are expected to increase approximately 10% to 11%, primarily due to the acquisition of ServiceMax, foreign exchange rate fluctuations, and incremental investments in 2H'23.
- FY'23 GAAP P&L results are expected to include the items below, totaling approximately \$300 million, as well as their related tax effects:
 - approximately \$200 million of stock-based compensation expense,
 - approximately \$76 million of intangible asset amortization expense,
 - approximately \$19 million of acquisition and transaction-related expense, and
 - approximately \$5 million of other non-operating expenses, primarily financing charges associated with a debt commitment agreement related to the ServiceMax acquisition.
- Our FY'23 GAAP tax rate is expected to be approximately 20%, and our non-GAAP tax rate is expected to be approximately 21%.
- FY'23 capital expenditures are expected to be approximately \$20 million.
- Our long-term goal, assuming our Debt/EBITDA ratio is below 3x, is to return approximately 50% of our free cash flow to shareholders via share repurchases, while also taking into consideration the interest rate environment and strategic opportunities.
 - Given the current interest rate environment, we expect to prioritize paying down our debt in FY'23 and FY'24.
 - We expect gross debt of approximately \$2.3 billion at the end of FY'23.

PTC's Fiscal Third Quarter Results Conference Call

The Company will host a conference call to discuss results at 5:00 pm ET on Wednesday, July 26, 2023. To participate in the live conference call, dial (888) 330-2508 or (240) 789-2735 and provide the passcode 7328695, or log in to the webcast, available on [PTC's Investor Relations website](#). A replay will also be available.

PTC Announces CEO Succession Plan

Concurrent with the release of its fiscal 2023 third quarter results, PTC also announced its CEO succession plan. Neil Barua, President of PTC's Service Lifecycle Management business, will succeed James Heppelmann as Chief Executive Officer of PTC at the time of the Company's annual shareholder meeting in February 2024. Mr. Heppelmann and Mr. Barua will address the succession plan during today's webcast and conference call.

SAP Announces Q2 2023 Results

20 July 2023

SAP SE announced its financial results for the second quarter ended June 30, 2023.

- Cloud revenue up 19% and up 22% at constant currencies. SAP S/4HANA cloud revenue up 74% and accelerates to 79% at constant currencies
- Current cloud backlog up 21% and up 25% constant currencies
- IFRS cloud gross profit up 20%, non-IFRS cloud gross profit up 20% and up 24% at constant currencies, supported by completion of SAP's next-generation cloud delivery program
- IFRS operating profit up 28%, non-IFRS operating profit up 23% and up 28% at constant currencies
- SAP updates its 2023 revenue and operating profit outlook
- Expands market opportunity through new SAP Business AI and premium AI offerings

"This has been another strong quarter. We see significant opportunities ahead, in particular through the transformative power of AI. We are focused on delivering SAP Business AI that's relevant, reliable, and responsible and we see significant possibilities for market expansion through these technologies and new premium offerings."

Christian Klein, CEO

"We are very pleased with our first half results. The revenue growth and increased profitability, combined with sustained growth of our cloud backlog, demonstrate the strength of our business model. Q2 performance puts us on the right trajectory and allows us to raise our cloud and software revenue, as well as the operating profit outlook for the year."

Dominik Asam, CFO

Stratasys Conference Call to Discuss Second Quarter 2023 Financial Results

27 July 2023

Stratasys Ltd. will release financial results for the second quarter, 2023 on Wednesday, August 9, 2023. The Company plans to hold the conference call to discuss its second quarter 2023 financial results on Wednesday, August 9, 2023, at 8:30 a.m. (ET).

The investor conference call will be available via live webcast on the Stratasys Web site at investors.stratasys.com; or directly at the following web address:

<https://event.choruscall.com/mediaframe/webcast.html?webcastid=B8jlZNVs>

To participate by telephone, the U.S. toll-free number is 877-407-0619 and the international dial-in is +1-412-902-1012. Investors are advised to dial into the call at least ten minutes prior to the call to register. The webcast will be available for 6 months at investors.stratasys.com, or by accessing the above-provided web address.

TRIMBLE SECOND QUARTER 2023 EARNINGS CALL AND WEBCAST

21 July 2023

Trimble will hold a conference call on Thursday, August 3, 2023 at 8 a.m. ET to review its second quarter 2023 results. The call will be broadcast live on the web at <http://investor.trimble.com>. Investors without internet access may dial into the call at (888) 660-6347 (U.S.) or (929) 201-6594 (international). The conference ID is 1043223.

Implementation Investments

BBC International Steps into Centric PLM to Gain Transparency and Make Data-based Decisions

26 July 2023

[Centric Software®](#) is delighted to announce the release of a success story about its customer, BBC International.

BBC International, the full-service footwear company founded in 1975 and headquartered in Boca Raton, Florida, specializes in footwear design, sourcing and technology. Known early on for licensing characters for footwear, lights on shoes and revamping Heelys (wheeled shoes), today BBC licenses footwear for major international brands, plus private label. The company has global distribution in over 85 countries.

With the large number of brands BBC works with, and just as many separate processes for each, the company was looking to consolidate workflows and systems to simplify product development. Scott Godwin, Senior Development Manager says, “We’re looking to streamline everything we’ve got.”

BBC had an advantage in determining which PLM vendors to consider: they were able to consult their numerous footwear partners and customers. Centric PLM™ landed at the top of

the list. Says Goodwin, "We really want to capitalize on some of the best practices that Centric brings to the table."

Today, BBC has laid their digital foundation to get the right products to market faster, at the right price, to aid in sustainability and still have the latitude for creativity, all powered by Centric PLM.

Read the full story to learn more detail about the specific challenges BBC faced, their journey to efficiency and what's in store for them next!

[Read the full story](#)

Hexagon equips the world's first fully autonomous road trains

26 July 2023

Hexagon AB, the global leader in digital reality solutions, combining sensor, software and autonomous technologies, has announced a landmark agreement with leading diversified mining company Mineral Resources (MinRes) to provide an autonomous haulage solution for a fleet of 120 fully autonomous road trains in Australia, which will transform safety, productivity and sustainability in the region.

The world-first, fully autonomous road trains are a full-site, truck-agnostic solution. The addition of unmanned and autonomous systems will form an essential part of the supply chain for the MinRes Onslow Iron project in Western Australia's Pilbara region.

The centre of the autonomous platooning system is Hexagon's autonomous solutions stack integrating drive-by-wire technology with an autonomous management system to orchestrate vehicle movement in road train haulage.

"At Hexagon, we see autonomy as a way to vastly improve our world," said Paolo Guglielmini, President and CEO, Hexagon. "Today's agreement with MinRes will ensure that off-road transport activities will be safer, more sustainable, and more productive. I'm excited to see how similar solutions can be applied in other off-road markets such as agriculture and heavy industry."

"We're excited to announce our agreement with Hexagon to deliver the world's first fleet of autonomous road trains, which will be an essential part of Onslow Iron's safe, efficient and dust-free solution for hauling ore," said Mike Grey, Chief Executive, MinRes. "Automation will remove the risk of driver fatigue, lower operating costs and reduce fuel use and emissions. There's enormous potential for these vehicles to transform mining across the world."

NextLabs® announces successful Go-Live with Fiserv to secure digital transformation

19 July 2023

NextLabs announces the successful go-live of its Zero Trust Data Security Suite with Fiserv, a global leader in financial services technology. NextLabs' solution will allow Fiserv to safeguard the confidentiality and integrity of its customer and financial data through a comprehensive

data-centric security framework. The solution enables dynamic data-level security controls such as encryption, decryption, masking, and filtering, to strengthen Fiserv's cybersecurity for its digital transformation initiative.

NextLabs Zero Trust Data Security suite protects critical data and controls access to applications with real-time enforcement. The suite automatically protects data at rest using encryption, secures data access by segregating and obfuscating sensitive information, and enforces least privilege access to protect business-critical customer data. Powered by dynamic authorization technology and attribute-based policy platform, the suite ensures that data access to sensitive financial data is controlled at the database level using format preserving encryption (FPE), while masking data at the user interface (UI) level for users who are not authorized to view data. The suite provides the infrastructure to automate and strike the needed balance between giving stakeholders access to critical data, while protecting said information and maintaining compliance with necessary regulations.

"We were able to implement NextLabs Data-Centric Security Suite for SAP S4/HANA in our organization within a 4-month aggressive timeline," stated Rajan Odayar, Head of Global Fintech, Analytics & Digital Transformation of Fiserv. "NextLabs did an amazing job working together with our SAP S4/HANA Fintech team, their team members were responsive, knowledgeable, went beyond the call of duty to get things done, while achieving all of our project goals."

Fiserv has deployed NextLabs' solution globally, unifying their global ERP application under a single global S/4HANA instance powered by NextLabs Zero Trust Data Security suite, ensuring sensitive information is protected throughout its lifecycle. The solution will address the following key business requirements:

- Enable a global ERP strategy
- Enhance data compliance and data governance practice without compromising user experience
- Implement preventive data security controls across heterogeneous applications and systems to prevent unauthorized access and leakage of sensitive financial data
- Adapt to new business requirements quickly, simplify change and escalation management, and ensure compliance with new regulatory requirements
- Data is protected at-rest and in use to prevent any unauthorized or accidental direct access, only authorized users can access the sensitive data regardless of the channel of access
- Solution that is easy to manage and can be deployed quickly without custom code

Due to the increasing number of virtual global workforces and higher cybersecurity mandates, companies face the challenge of collaboration and sharing sensitive information securely while maintaining agility and control cost. Flexible and scalable data security solutions are essential to adapt to changing requirements while maintaining security in a dynamic digital environment. By

implementing a preventive cybersecurity framework based on zero-trust and data-centric principles, Fiserv will now be able to:

- Automate and simplify security management to protect critical data
- Segregate sensitive data in single global instance
- Ability to rapidly adding new data security controls via centrally managed policy to address new cybersecurity and compliance requirements
- Centrally log all data access and usage activities for audit and compliance reporting
- Modernize IT and accelerate business process unification without compromising security coverage and total cost of ownership.

“NextLabs is proud to partner with Fiserv to provide the dynamic data protection solution for its ERP transformation initiative,” said Keng Lim, Founder and CEO of NextLabs. “NextLabs is known for its highest performing zero-trust policy engine in the industry – we are committed to continue delivering best-in-class zero trust data security solutions to protect applications and data anywhere and everywhere.”

SCS JV Partners with ALICE to Expedite Project Delivery for HS2

20 July 2023

ALICE Technologies and SCS JV - a joint venture of Skanska, Costain, and Strabag - announced that the two companies are working together to optimize the construction of the London Tunnels of HS2, one of the largest infrastructure construction projects currently underway in Europe. ALICE Technologies’ construction optioneering platform helps general contractors and owners worldwide to leverage the power of generative AI to plan, bid and build their capital projects more efficiently.

A national high-speed railway linking London, Birmingham and the North, the HS2 network will ultimately carry more than 30M travelers each year. SCS JV is constructing 13 miles of twin-bore tunnels on the HS2 route to its southern terminus at Euston. The company has divided its tunnels work into three areas - west, central, and east. SCS is now using the ALICE platform in the western area to optimize the construction schedule for the Mandeville Road ventilation shaft and headhouse.

The ventilation shaft is the vertical opening that connects the HS2 tunnels to the surface and open air. It regulates air quality and temperature in the tunnel and allows smoke to be extracted in the event of a fire. The headhouse is the building on top of the ventilation shaft which contains fire control systems and the ventilation systems for the railway tunnels below. The Mandeville Road ventilation shaft is one of four ventilation shafts to be constructed in a 13.5km section of the Norholt Tunnel between Old Oak Common station and the West Ruislip portal.

The work on the Mandeville shaft builds upon the SCS team’s successful use of the ALICE platform to explore faster sequencing options for the construction of the Euston SCL shaft, which provides critical access to the main tunnels that lead to Euston station. Through “what-if”

analysis with ALICE, the SCS JV team was able to identify a way to trim the build time for the Euston shaft by 86 working days, which represented a significant savings in associated overhead expenses.

“Construction optioneering with ALICE enables us to quickly and efficiently explore alternative ways to build,” said Andy Irwin, Construction Manager of SCS JV. “The savings of both time and money that we identified with our initial work on the Euston SCL shaft was significant, and we’re now looking forward to expanding our use of ALICE to other portions of the project.”

“HS2 is one of the most important infrastructure projects being built in Europe today, and through its work on HS2’s tunnels, SCS JV has an essential role to play in its construction,” said ALICE CEO René Morkos. “We’ve been excited to help SCS JV bring construction optioneering and generative construction to bear in its drive for cobuilding this critical transportation resource for the U.K.”

TCS Helps AIB life Launch Operations in Ireland with a Digital-First Platform Powered by TCS BaNCS™

24 July 2023

Tata Consultancy Services (TCS) has helped AIB life, the newly formed joint venture between Allied Irish Banks plc and Great-West Lifeco, launch operations in Ireland with a future-ready, digitally enabled, platform that supports its vision to help people on their path to financial security, one step at a time.

TCS was selected as the strategic partner to help build a digital first, full-service life company for the Irish market. TCS helped create a modern, cloud-based technology stack ground up, with its flagship insurance platform TCS BaNCS™ at the core that gives AIB’s 3.2 million customers the ability to access financial advice and a range of integrated AIB life protection, pensions, and investment products in their branch, by phone and via the AIB mobile banking app. The solution also integrates with AIB’s nationwide network of 120 financial advisors from whom customers can seek financial guidance.

TCS BaNCS’ configurability and rich functionality will enable AIB life to launch innovative new products and services. The entire solution is hosted on the cloud and its digital-first architecture provides APIs to enable easy integration with ecosystem partners to co-create new joint offerings.

In addition to designing and deploying the enabling technology stack, TCS will also provide IT, customer, and claims handling services for AIB life in a managed insurance services model. The end-to-end policy administration services will be provided from the TCS Global Delivery Centre in Letterkenny, Co. Donegal.

“Financial services firms and their customers around the world are benefitting from the rich functionality and omnichannel experiences offered by TCS BaNCS. Its Digital First, Cloud First architecture is tailor-made for the digital-first approach that AIB life has taken. We are delighted to support the launch of AIB life and be a partner in the exciting journey ahead,” said **Vivekanand Ramgopal, President, BFSI Products and Platforms, TCS**. “TCS BaNCS’ digital

capabilities and configurability will help AIB life differentiate itself in the Irish market with innovative offerings that seamlessly support its customers in their personal financial journeys.”

Jacquie Doyle, COO, AIB life, said: “The Joint Venture between AIB and Great-West Lifeco, which will provide AIB customers with exclusive access to AIB life protection, pensions, and investment products, has entered into a 10-year partnership with TCS to build and operate a future-ready digital infrastructure that enables customers to more effectively plan their finances and investments.

“After an extensive review of the market, it was clear that TCS’ contextual industry knowledge, European cloud-based technology and global delivery team based in Letterkenny meant that they would be the perfect partners for us. As we look to grow this new greenfield life company, it is key that we build this on a foundation of cutting-edge technology. The global delivery centre in Letterkenny, where we will be servicing AIB life customers, will allow us to help our customers understand and improve their financial wellbeing and the financial security of their families and businesses.”

The Kansai Electric Power Co., Inc. Fuels Better Customer Service with Oracle

26 July 2023

[Kansai Electric Power Company, Inc. \(Kansai\)](#), the retail arm of one of Japan’s largest integrated power utilities, is using Oracle Utilities Customer Care and Billing to provide customers with new rate options and services that can increase satisfaction. Today, Kansai is using the offering to consolidate data across approximately 5.1 million total customer units. With a single source of customer information, the utility can better manage customer service interactions and deploy new services, such as special rate menus for customers who use electric water heaters or shift appliance usage to off-peak hours to reduce electric charges. Oracle Consulting supported this deployment.

“While our business environment remains uncertain due to international events causing soaring resource prices, we remain deeply focused on business activities that promote safe and reliable customer service, high levels of customer satisfaction, and a zero-carbon society,” said Masanori Doman, general manager, solution division plan department, Kansai Electric Power. “With access to new, invaluable customer data and a billing engine supporting more flexible rates, Oracle Utilities Customer Care and Billing is providing an important step in our journey to offer attractive customer choices and reliable services. With the Oracle solution, we are able to combine parts, change unit price settings, and use the copy function, among other features, to ensure a speedy market launch at low cost.”

Kansai’s customer value approach

Running on [Oracle Exadata](#), a high-performance platform for Oracle Database, [Oracle Utilities Customer Care and Billing](#) is a complete billing and customer care application designed to manage complex utility processes. The combined Oracle solution is supporting Kansai’s larger digital transformation goals and helping to reduce the lead time and implementation costs for launching new service offerings.

Before developing new services for customers, Kansai conducts market research, identifies potential cross-promotional links with other industries they serve, and sets up multiple services. The utility then develops new rate menus using a framework on Oracle Utilities Customer Care and Billing without impacting its overall system operations. Using the solution's billing features, the utility can also consolidate financial information from multiple accounts into a single statement.

Kansai increases service development options by combining new cloud services from the business marketplace with Oracle Utilities Customer Care and Billing. This enables the utility to break away from conventional, rigid development and provide versatile systems that meet users' demand. Kansai will continue to position Oracle Utilities Customer Care and Billing as its core system and actively adopt other services to establish systems that meet this rapidly changing business environment.

"By providing a critical, energy-specific customer information system, Oracle Utilities Customer Cloud and Billing gives Kansai tremendous assets to thrive in the highly competitive, unregulated Japanese energy market," said Michael Trinder, vice president for Japan and Asia Pacific, Oracle Energy and Water. "As Kansai continues its digital evolution, Oracle's platform provides a solid foundation for expanded, value-driven customer offerings that can help improve satisfaction and further diversify revenue streams."

Oracle has a proven track record of customer service and billing projects across the globe.

Product News

Ansys 2023 R2 Powers Industry Innovation with Transformative Simulation Technologies

25 July 2023

The latest release from Ansys, 2023 R2 enables distributed engineering teams with new technologies and improved performance to drive industry innovation forward. It combines an exceptional range of enhanced numerics capabilities, performance improvements, and cross-disciplinary engineering solutions to equip organizations with advanced physics solvers, scalable GPU-based computing, and seamless workflows.

"From semiconductor manufacturers to electric vehicle makers and autonomous aircraft developers, our latest software release empowers these organizations with scalable digital engineering workflows that are critical to digital transformation," said Shane Emswiler, senior vice president of products at Ansys. "Virtual design and development is at the forefront of transformational innovation within leading organizations across industries, and we are helping to make this a reality."

Industries Innovate and Collaborate with Digital Engineering

Advanced electronics are critical to next-gen product designs like electric vehicles (EVs), vertical takeoff and landing aircraft, and life-saving medical devices. These products depend on new

semiconductor and integrated circuit (IC) technologies and advanced electronic capabilities. Innovations like high-density 3D-ICs enable product development teams to pack more features in a smaller space, but those compact form factors complicate thermal, electromagnetic (EM), and power challenges. All major semiconductor foundries have certified Ansys solutions for their most advanced technology nodes, and Ansys electrothermal solutions are essential to reliable 3D-IC design. The latest updates to Ansys® RedHawk-SC™, a multiphysics sign-off solution for semiconductors, significantly accelerate thermal analysis workflows. A complete EM simulation and modeling chain for IC design integrates the Ansys High Frequency Structure Simulator (HFSS), Ansys® Q3D Extractor® parasitic extraction analysis, and the Ansys® RaptorX™ EM solver. Additionally, Ansys EMC Plus (formerly Ansys EMA3D Cable) now offers a full electromagnetic compatibility (EMC) workflow. New, integrated features in 2023 R2 enable engineers to efficiently meet high-tech challenges amid increasingly complex product requirements.

Specific industry sectors like healthcare, automotive, and aerospace also benefit from Ansys digital engineering workflows in 2023 R2. A full EV power electronics electrothermal workflow provides solutions from power IC, to package, to board with Ansys SIwave-CPA for signal integrity, power integrity, and EMI analysis, and the Ansys Q3D Extractor parasitic extraction tool. EV designers can also use simulation to visualize sound sonograms and model brand-defining acoustics with an integrated Ansys® Motion™ and Ansys Sound workflow.

Engineers in aerospace and defense, as well as automotive industries, will benefit from the new digital safety collaboration platform in Ansys medini analyze 2023 R2, which serves as a central safety project hub across an organization. A new Ansys Digital Safety Manager web app replaces the existing desktop client, enabling centralized planning, monitoring, and validation of medini safety and cybersecurity projects.

“As a systems supplier for passenger cars, commercial vehicles, and industrial technology, ZF Friedrichshafen AG places great emphasis on agility and innovation,” said Gunter Gabelein, safety assessor at ZF Friedrichshafen AG. “To support exciting developments like autonomous driving and electric mobility, our R&D process must be fast, cost-effective, and technically precise. More and more projects are taking advantage of synergies provided by medini analyze. In a medium-size project, more than 300 hours of effort can be saved by the one-tool solution and the interfaces to third-party tools for architectures. ZF is a strong advocate for model-based engineering, and medini analyze helps to reduce the complexity of analysis for embedded systems.”

Speed Simulation with Large-scale Computing

Ansys 2023 R2 enables users to run large jobs and help overcome hardware capacity limitations with high-performance computing (HPC), both on-premises and in the cloud. Enhanced solver algorithms capitalize on GPUs to speed simulation. In Ansys 2023 R2, the Fluids product line enables additional industrial simulations to run natively on GPUs, substantially reducing solve time and total power consumption. For example, 2023 R2 extends multi-GPU support to sliding mesh, compressible flows, and eddy dissipation model combustion simulations. That means analysis of internal combustion engines, centrifugal pumps and fans, turbochargers and

compressors, stirred tanks and reactors, and hydraulic machinery can now be supercharged with the Ansys® Fluent® multi-GPU solver

The Ansys® Discovery™ simulation-driven 3D design tool is even more predictively accurate with live structural physics while reducing GPU memory requirements for thin structures by up to 10X. Subdivision geometry modeling in Discovery provides a new way to create and edit complex parts, enabling users to see the results of “what-if” changes almost instantly for many popular computer-aided design (CAD) models, including topology optimization results. Discovery has grown from providing four features in 2019 to 50 in 2023 R2, including turbulence models, electromagnetics, and manufacturing constraints.

Ansys® Speos® optical system design software also takes advantage of GPU acceleration. Optical simulations that use ray tracing are now fully supported. Speos also supports 3D irradiance with GPU acceleration, enabling designers to better analyze light contributions. At the photon level, Ansys Lumerical simulation tools have a new Express Mode in the finite difference time domain (FDTD) solver that enables users to run simulations with NVIDIA GPUs.

By integrating Ansys advanced simulation numerics and supercharging simulation with HPC via GPUs and cloud computing, the latest release enables engineers and researchers in every industry to take advantage of the transformative power of digital engineering.

Ansys Accelerates Innovation by Expanding AI Offerings with New Virtual Assistant

27 July 2023

Expanding artificial intelligence (AI) integration across its simulation portfolio and customer community, Ansys announced the limited beta release of AnsysGPT, a multilingual, conversational, AI virtual assistant set to revolutionize the way Ansys customers receive support. Developed using state-of-the-art ChatGPT technology available via the Microsoft Azure OpenAI Service, AnsysGPT uses well-sourced Ansys public data to answer technical questions concerning Ansys products, relevant physics, and engineering topics within one comprehensive tool.

Expected in early 2024, AnsysGPT will optimize technical support for customers — delivering information and solutions more efficiently, furthering the democratization of simulation. While currently in beta testing with select customers and channel partners, upon its full release next year AnsysGPT will provide easily accessible 24/7 technical support through the Ansys website. Unlike general AI virtual assistants that use unsupported information, AnsysGPT is trained using Ansys data to generate tailored, applicable responses drawn from reliable Ansys resources including, but not limited to, Ansys Innovation Courses, technical documentation, blog articles, and how-to-videos. Strong controls were put in place to ensure that no proprietary information of any kind was used during the training process, and that customer inputs are not stored or used to train the system in any way.

“Ansys consistently delivers innovative solutions for its customers and with the beta release of AnsysGPT, Ansys once again stands at the forefront of the latest and most advanced technology,” said Erke Wang, managing director at CADFEM, an Elite Ansys Channel Partner. “By progressing customer support with AI-powered services, AnsysGPT will assist our team in

delivering adaptive intelligence combined with expertise and training that empowers Ansys customers to extract even more value from Ansys solutions.”

In addition to providing expedited technical support, AnsysGPT will encourage customers’ individual learning and development by identifying appropriate resources to further examine specific topics of interest, including how AI/machine learning (ML) can enhance Ansys simulation.

“When trained responsibly, AI-powered virtual services can be a huge asset to both organizations and customers. AnsysGPT has been trained using Ansys data, which increases its reliability for Ansys customers,” said Anthony Dawson, vice president of customer excellence at Ansys. “Further, AnsysGPT complements existing AI integration across Ansys’ portfolio, including computational fluid dynamics (CFD) solvers that leverage AI/ML to improve turbulence models, structural tools that apply AI/ML to predict computational spend, and process integration and design optimization software that employs AI/ML to efficiently build reduced order models. We are confident AnsysGPT will add great value to our customer experience, providing more seamless support and useful information for Ansys customers.”

Ansys and RBF Morph join forces to bring state-of-the-art mesh morphing technology to multiple industries

19 July 2023

After a long and successful OEM partnership with Ansys, RBF Morph has two proprietary products featured among the world simulation leader’s offerings: **Ansys RBF Morph Fluids** and **Ansys RBF Morph Structures**.

The two simulation tools are based on RBF Morph’s 10+ years of experience with 100+ global customers, including some of the top players and OEMs in the automotive and aerospace industries.

Radial Basis Functions (RBF) are considered by the scientific community one of the best mathematical tools for mesh morphing, a technique used to modify or deform a geometric mesh while maintaining its overall structure and characteristics. This approach is crucial in developing safety-critical complex applications in the automotive, aerospace, and medical industries. Thanks to mesh morphing, companies can substantially reduce computational time while performing highly automated design optimization analysis, increasing products’ reliability and performance while cutting costs, delivery time and environmental impact.

Today’s products represent cutting-edge mesh morphing technology that can help companies optimize their products and achieve optimal efficiency within the Ansys simulation platform.

Ansys RBF Morph Fluids is an add-on that allows for automated shape optimization studies entirely within Ansys Fluent, leveraging morphing of the existing mesh. This new approach takes advantage of Ansys Fluent’s CFD technology and overcomes the limits of the mainstream methods by implementing dedicated morphing routines directly into Ansys Fluent’s CFD code.

Ansys RBF Morph Structures is an ACT extension that allows for automated shape optimization studies entirely within Ansys Mechanical and Ansys Workbench by morphing the existing mesh.

The main advantages of RBF mesh morphing are:

- The capability of handling any mesh, making it very flexible and usable in any situation
- Fully integrated with Ansys CAE solvers, with a seamless user experience
- No need for re-meshing and highly parallelizable to significantly cut computational time
- Robust process, used for decades by top players in the industry with proven cost cutting and improved performance results, up to a 5x factor

“Thanks to our partnership with RBF Morph, Ansys can offer users an advanced solution for mesh morphing that integrates seamlessly into the Ansys platform,” said Prith Banerjee, Chief Technology Officer at Ansys. “These state-of-the-art tools are able to address the most challenging applications in any industry using the predictive power of simulation.”

“We have been proudly serving Ansys users since 2009,” said Marco Evangelos Biancolini, RBF Morph’s Founder and CTO. “We started with CFD, an Add-On for Fluent and since then we gradually expanded our integration within the Ansys product family: Ansys Mechanical, Design Explorer, Twin Builder, optiSLang and LS-DYNA. Today we have two solutions fully integrated with Ansys Fluids and Ansys Structures to enable the best multi-physics optimization and digital twin creation. The expanded OEM arrangement marks a new chapter in our cooperation with Ansys and will allow to jointly replicate the successes we have been bringing to 100+ Ansys customers.”

emnify Introduces Unprecedented SIM-based Functionality with User-Adaptive eSIM Launch

25 July 2023

emnify, a leading provider of global cellular connectivity solutions, has announced the launch of its unique IoT eSIM platform. The emnify IoT eSIM, anchored in the eUICC architecture, is a technological first, placing previously inaccessible functionalities in the hands of users, unlocking adaptability and scalability in IoT connectivity.

As an industry pioneer, emnify proudly takes the lead in deploying eSIM as the default SIM platform. This innovative move introduces new functionalities to the emnify IoT SuperNetwork. Available across all form factors, the new emnify IoT eSIM supplies customers with a flexible and reliable cellular connectivity solution. This solution is continuously optimized without the hassle of physically swapping outdated SIM cards. It can also be personalized by customers to meet the needs of specific IoT use cases, such as optimized battery consumption for remote deployments and preferred access technologies for high bandwidth scenarios.

IoT devices often face challenges such as a limited lifespan due to design and power constraints, and the need to adapt to new radio access technologies. The emnify IoT eSIM tackles these issues head-on, providing a technological foundation that’s truly future proof. It enables enterprises to update tailored SIM profiles and configurations according to their specific IoT applications and device power requirements. This positions it as an optimal solution

for businesses seeking greater operational capabilities beyond the industry's conventional offerings.

"The new emnify IoT eSIM is a generational technology shift, not only in leveraging previously unavailable SIM capabilities, but also in how IoT connectivity is delivered," said Frank Stoecker, CEO and co-founder of emnify. *"By overcoming the limitations of how eUICC technology is applied, we make sure that emnify's customers benefit by individualizing SIMs to their needs, and benefit from the most advanced and reliable cellular connectivity solution available."*

As a central pillar of emnify's global IoT SuperNetwork, the eSIM platform gives enterprises unrivaled control over their connectivity and seamless integration with their IoT application stack. The launch of the new emnify IoT eSIM platform represents a significant milestone in the IoT industry's evolution. It stands out as the first IoT connectivity service allowing customers to tailor an essential element like the SIM in real-time and at scale. This aligns seamlessly with emnify's mission to become a leader in the cloud-transformation of cellular IoT connectivity.

IMAGINiT Unveils New Hybrid Option for Clarity Cloud

27 July 2023

IMAGINiT Technologies is giving small and mid-sized architecture, engineering and construction (AEC) firms more control over their project timelines and IT budgets with the launch of a new hybrid option for IMAGINiT Clarity Cloud. This latest Clarity offering enables users to strategically split the automation of tasks for Autodesk Revit and Autodesk AutoCAD projects between cloud and on-premise workstations.

"As organizations face staffing challenges, increasingly accelerated project timelines and the need to better predict IT spending, our new hybrid option for Clarity Cloud aims to help BIM coordinators, project managers, firm owners, and their ecosystem of partners, meet these challenges head-on," says Bill Zavadil, president and chief operating officer, IMAGINiT Technologies.

Customers leveraging Clarity Cloud's unparalleled task automation now have flexibility to distribute this workload between on-premise and cloud-based machines, optimizing performance, and improving cost control with predictable pricing. Leveraging this new hybrid option makes set-up and ongoing administration simple and cost effective because the IT management requirements are integrated into existing cloud services.

Netskope Introduces SkopeAI: Revolutionary AI-Driven Security for the Future of Data Protection and Cyber Threat Defense

25 July 2023

Netskope, a leader in Secure Access Service Edge (SASE), announced new solution offerings from SkopeAI, the Netskope suite of artificial intelligence and machine learning (AI/ML) innovations available across the Netskope portfolio. SkopeAI capabilities use AI/ML to deliver modern data protection and cyber threat defense, overcoming the limitations of conventional

security technologies and providing protection using AI-speed techniques not found in products from other SASE vendors.

The role of AI/ML innovation in improving data protection and threat defense is urgent and pervasive. According to IDC projections, nearly 80% of an estimated 175 zettabytes of data by 2025 will be unstructured, meaning the data will be in such forms as screenshot images, generative AI application prompts, messages in collaboration apps, and numerous others that legacy protection tools can't adequately identify or analyze, let alone protect.

At the same time, the continued enactment of privacy compliance regulations makes the safeguarding of sensitive data non-negotiable for every business, even as enterprises worldwide also confront critical questions of effectively using AI while safeguarding against its dangers. According to data from Netskope Threat Labs' latest Cloud & Threat Report, generative AI app use in the enterprise is rapidly increasing—up 22.5% over the past few months—with organizations of 10,000 users or more accessing at least five generative AI apps daily. Among those users, source code is being posted to the most popular generative AI app, ChatGPT, at a concerning rate of 158 incidents per month^[2].

Enter SkopeAI. SkopeAI innovations in the Netskope unified SASE platform use AI/ML to leapfrog traditional security, protect enterprises from AI-generated threats and data loss from the misuse of ChatGPT and other popular generative AI tools, and bring data protection and threat defense techniques into the modern era with unprecedented speed and simplicity.

Unique SkopeAI capabilities include:

- Deep contextual awareness enabling advanced DLP to identify, analyze, and protect structured and unstructured data
- Automated ML data classification and Train Your Own Classifiers (TYOC) technology, which automatically identifies and categories new data based on a “train-and-forget” approach, ensuring data protection adapts and applies well beyond what standard data identification can achieve
- AI-based threat protection, which provides unparalleled speed and exceptional results in detecting a wide range of threats, including multivarious attacks, polymorphic malware, novel phishing web domains, zero-day threats, and malicious web content
- The recent expansion of Netskope Intelligent SSE to provide safe enterprise enablement of generative AI applications such as ChatGPT using advanced data protection techniques
- AI-driven SD-WAN operations, which proactively monitor the network, provide predictive insights, simplify management, minimize support tickets, and troubleshoot devices remotely, resulting in improved network performance and user experience.

“Forward-thinking technology companies such as Netskope were using AI and ML for security innovation long before it was trendy to say so—it’s been in our products since the day Netskope was founded,” said Sanjay Beri, CEO and co-founder, Netskope. “But only Netskope has fully aligned the use of AI/ML with the needs of modern security and threat defense—

democratizing access to data security techniques that move at speeds the era of AI now requires. SkopeAI unleashes the power of AI/ML to protect structured and unstructured data and defend enterprises from ever-evolving threats.”

SkopeAI innovations are available to customers today as unified solution offerings from Netskope and its worldwide network of channel partners. New SkopeAI enhancements and solution bundles will be continuously released.

OpenText powers organizations to achieve digital success in a multi-cloud world with Cloud Editions 23.3

25 July 2023

OpenText™ announces the release of its latest OpenText Cloud Editions (CE) 23.3, harnessing advanced technologies and innovations that seamlessly integrate Artificial Intelligence (AI) and analytics capabilities across the portfolio. Building upon the success of Project Titanium, CE 23.3 marks the commencement of the Titanium X journey - the next phase in the company’s ambitious two-year roadmap to deliver AI-led, security-enabled and sustainability-focused innovations every 90 days.

“AI is the next technology era. It will reshape the future of and our world in unimaginable ways. If the internet changed everything, with AI, everything must change. OpenText has for a deep history of helping our customers connect and manage their operational and experience data, and now there is a whole new frontier of learning data from the exponential growth of AI that will lead to new possibilities,” said Mark J. Barrenechea, CEO & CTO, OpenText. “The latest innovations in CE 23.3 combine the power of end-to-end integrations and AI automation to help customers seamlessly interconnect and exchange insights across clouds to learn, innovate and grow faster than ever before.”

“As the Industrial Revolution brought about advancements that changed how businesses ran for generations, the exponential advancements of AI will undoubtedly change everything at a scale never seen before,” said Pak Darmadi, CIO at Toyota Astra Motor “With digital transformation impacting all industries across the globe including the Automotive sector, Toyota Astra Motor is committed to staying ahead of the curve by equipping our customers with the tools that gives them a competitive advantage and delivers against bigger business objectives.”

The latest innovations underpin OpenText’s commitment to help businesses overcome the most complex challenges faced today and in the future. **Key CE 23.3 innovations include:**

Achieve intelligent data-driven insights faster with advanced analytics at unlimited scale

- New innovations to the OpenText™ ValueEdge platform, enabling software delivery teams the visibility to simplify and improve every stage of the software development lifecycle. These AI-led capabilities include tracking and predicting risks associated with software delivery, maintenance and governance.
- OpenText™ Magellan™ BI Reporting – Public Cloud, is now available in the public cloud and offers a simple user interface with advanced data discovery and data visualization

on top of the analytical horsepower powered by OpenText™ Vertica. This upcoming offering will enable customers to seamlessly define, deploy, and embed metrics and interactive reports, dashboards, and self-service business intelligence capabilities into any application.

- Next generation of OpenText™ Vertica is now available to help businesses take advantage of their data by combining the power of a data warehouse with data lakehouse capabilities through the new data lakehouse integration with Apache Iceberg. This enables businesses to access and analyze their data quickly and effortlessly across unlimited amounts of both structured and unstructured data – and without any limitations.

Strengthen employee connections through enhanced collaboration

- OpenText™ Documentum™ for Healthcare optimizes care delivery and improves patient outcomes by providing a centralized source for all patient data, regardless of origin. This new offering empowers health systems, hospitals and large group practices to simplify data management and improve how they manage, access and share patient information by turning unstructured content into actionable data.
- Available soon on Google Cloud Marketplace, OpenText strengthens the digital employee experience with OpenText™ Core for Google Workspace. This new solution helps reduce digital friction, improve worker productivity, and accelerate business processes, allowing users to embed automated governance workflows wherever and however they work on Google Workspace.

Meet FedRAMP security and compliance standards

- With OpenText™ Fortify on Demand's latest FedRAMP Authorization through the Joint Authorization Board (JAB), Fortify is uniquely positioned to help government agencies adhere to internal risk management policies and government mandates. As a result, several new features are included within CE 23.3; most notable is the ability to offer software composition analysis on top of Fortify's static application security testing (SAST) and dynamic application security testing (DAST) offerings.
- As a company committed to providing secure and reliable solutions, OpenText has achieved the "In Progress" designation for multiple solutions within the Micro Focus ITMX IT Management Platform and OpenText™ Cloud for Government as part of the FedRAMP authorization process and are now available in the FedRAMP Marketplace.

PROCAD 2024 products released

26 July 2023

We're pleased to announce the release of a group of PROCAD 2024 products.

The new PROCAD+ version comes with a built-in AUTOCAD® OEM 2024.

If you already have AUTOCAD 2024 thru 2020, the standard version of PROCAD is also available.

The 2024 products include all 2D products (P&ID, ORTHO, ISOMETRIC, ELECTRIC) and 3DSMART. 3DSMART+ with built-in AUTOCAD OEM is not yet released.

We've added all the improvements made with the 2024 software to make this version the most powerful drafting software yet.

SPEC Delivers Major Update to SPECapc for PTC Creo 9

25 July 2023

The Standard Performance Evaluation Corporation (SPEC) announced the availability of the SPECapc for Creo 9 benchmark, a major update to the worldwide standard for measuring the performance of computing systems running PTC Creo 9, a popular 3D CAD solution that now includes support for generative design, real-time simulation, advanced manufacturing, industrial IoT and augmented reality. The new version of the SPEC benchmark includes updated models to support Creo 9, new and updated CPU test cases, and updated GPU test cases.

The SPECapc for Creo 9 benchmark provides eight workflows (three CPU and five GPU) that exercise all aspects of system performance when running Creo 9. The benchmark generates composite scores for graphics, CPU and I/O performance. GPU scores are also generated for specific graphics display modes used in Creo 9.

Updates in the SPECapc for PTC Creo 9 Benchmark

PTC and the SPEC Application Performance Characterization Committee collaborated to update and test the benchmark to make maximum use of the new functionality in Creo 9. Updates implemented in the SPECapc for Creo 9 benchmark include:

- Updated models to support Creo 9, including a new submarine model and an updated world car model.
- Updated CPU test cases, including clipping & mass properties tests and a new CPU test case for render studio, a new feature in Creo 9
- Updated GPU test cases, including model rotations in different graphic views, exploded and cross section views, with complex lighting, background and more.

The eight workflows included in the updated benchmark are:

- CPU Tests (explode & section models, regeneration, retessellation, mass properties analysis)
- Render Studio (CPU Rendering)
- CPU Convert: Export to IGES format
- Shaded Graphics
- Shaded Edge Graphics
- Shaded Reflection Graphics
- No Hidden Graphics

- Hidden Graphic

“We are extremely excited that we were able to work with PTC on the SPECapc for Creo 9 benchmark, which will enable users to better understand how modern computing systems will perform when running the latest version of PTC Creo,” said Jessica Heerboth, Chair of the SPEC Application Performance Characterization Committee. “The new workflows, models and test cases reflect today’s increased performance demands and will be especially helpful when trying to determine future system requirements.”

Supply Chain Vulnerability Scan from Cosmo Tech is now Available on the SAP® Store

20 July 2023

Cosmo Tech announced that its Supply Chain Vulnerability Scan is now available on the SAP® Store, the online marketplace for SAP and partner offerings. This AI-Simulation add-on integrates with SAP Integrated Business Planning software and delivers supply chain resilience at all levels of planning to customers.

“With the Cosmo Tech Vulnerability Scan, said Hugues de Bantel, Co-Founder and CEO of Cosmo Tech, SAP IBP customers not only have an overall supply chain plan but they also know where it will break in case of disruption and how to minimize risks and costs. This is a transformational solution to navigate supply chain complexity and uncertainty, delivering increased value to clients and maximizing profitability. The resulting robust supply chain is a huge competitive advantage for our customers.”

Supply Chain Vulnerability Scan is powered by goal-seeking AI Simulation of the end-to-end supply chain. With this add-on, SAP IBP customers now can:

- Identify top vulnerabilities in the supply chain (resources, operations, transport...)
- Automate thousands of simulations to get optimal mitigation plans
- Minimize revenue at risk based on prescribed actions.

Cosmo Tech Supply Chain Vulnerability Scan is available on the SAP store and will be presented on July 25-26 in Newtown PA during SAP Digital Supply Chain Planning Info Days.

Cosmo Tech is teaming with Accenture, its preferred global systems integrator, to bring the Supply Chain Vulnerability Scan to SAP Integrated Business Planning customers globally for improved supply chain resilience.

The SAP Store, found at store.sap.com, delivers a simplified and connected digital customer experience for finding, trying, buying and renewing more than 2,300 solutions from SAP and its partners. There, customers can find the SAP solutions and SAP-validated solutions they need to grow their business. And for each purchase made through SAP Store, SAP will plant a tree.

Cosmo Tech is a partner in the SAP PartnerEdge® program. The SAP PartnerEdge program provides the enablement tools, benefits and support to facilitate building high-quality, disruptive applications focused on specific business needs – quickly and cost-effectively.

Tacton Pioneers Environmental Footprint Configuration for Manufacturers

20 July 2023

Tacton, the leading Configure, Price, Quote (CPQ) partner for manufacturers, is thrilled to announce the launch of its latest innovation focusing on sustainable product sales: Environmental Footprint Configuration. This groundbreaking addition to Tacton CPQ is set to revolutionize the manufacturing industry by empowering businesses and their customers to make informed decisions that align with their sustainability goals.

Carbon footprint goals and regulations continue to be a critical focus for companies worldwide. Based on interviews with customers, Tacton sees manufacturers at risk of losing revenue if they cannot provide ESG data as part of their quotes. The risk is up to 5% reduction in revenue without ESG data and a potential for approximately 25% increase in revenue with the inclusion of ESG data. Tacton's Environmental Footprint Configuration comes at a pivotal time. This much-needed capability will enable manufacturers to understand the environmental impact of configured products. Now, manufacturers can not only report environmental impact of products to regulatory organizations but also inform their prospects on choosing optimal products with readily available carbon emissions data for configured products.

With Environmental Footprint Configuration, product specific environmental impact data is generated via an interface with life cycle assessment (LCA) software for each individual configuration. Leveraging LCA information usually requires manual work from experts, taking several days for just one configuration. With the new integration to LCA software this calculation is automated and can result in significant cost savings. Tacton is purpose-built to integrate seamlessly with any LCA data sources and is starting the first integration with PRe' Sustainability using their software SimaPro for LCA data. SimaPro is a robust source of data built over 30 years of use by research institutions and companies across 80 countries.

With LCA data and Environmental Footprint Configuration, Tacton CPQ equips manufacturers with comprehensive emissions data spanning Scope 1, 2 and 3 emissions, enabling them to quantify and optimize the environmental impact of their products throughout the entire product lifecycle. From material selection and energy consumption during use to transportation and end of life disposal, businesses can now make environmentally conscious decisions enabled by configuration.

Tacton's Environmental Footprint Configuration will deliver unmatched business value. Manufacturers will now be able to:

- Have instant availability of emissions data per product for reporting.
- Generate new revenue and higher margin opportunities with lower environmental impact offerings.
- Avoid manual LCA calculations for reporting or selection of products.
- Configure products fast and visualize the CO2 emissions for that configuration.
- Integrate with any LCA database.

“With the introduction of Environmental Footprint Configuration, Tacton is revolutionizing what it means to offer sustainable products in the industrial space,” said Bo Gyldenvang, Chief Executive Officer at Tacton. “We believe emission data transparency will drive innovation and drive manufacturers to develop more sustainable products. We are proud to offer manufacturers a powerful tool that can easily optimize environmentally sound product configuration online, giving manufacturers the ability to provide differentiated and sustainable solutions to their customers.”

Trimble Launches New Cloud-Based Version of its Log Inventory and Management System for Forestry

21 July 2023

Trimble announced the launch of LIMS PRO, a new cloud-hosted version of its widely used Log Inventory and Management System (LIMS) to manage sawmill raw material procurement. As a cloud-based log settlement solution, LIMS PRO is designed to improve operational visibility for mills. It enables small- and medium-sized forest product companies to realize productivity and growth gains that only large companies have historically been able to afford by digitizing lumber supply chain workflows.

Taking the power of LIMS and creating a more accessible Software-as-a-Service (SaaS) version, this robust business management software streamlines contracts, receiving, inventory and settlement processes into a single platform, providing forestry companies with a complete picture of their operations. In addition, the software assists with mobile ticketing in the woods before the logs make their way to sawmills, eliminating the need for manual recordkeeping.

Comprised of a mobile application, web-based applications and an onsite receiving application connected to the weigh scale, LIMS PRO provides an easily accessible reporting dashboard that shows exactly what is happening from forest to sawmill. Whether in the woods or at the weighing scale, this new software simplifies the complete process for sawmills—taking it from days to hours through improved data accuracy, real-time reconciliation, minimization of processing errors and faster truck turn times.

“At Trimble, we work closely with our customers to digitize their supply chain data,” said Kevin Toohill, general manager of Trimble Forestry. “LIMS PRO enables partners and others along the value chain to digitally transform their operations—moving from paper tickets, log sheets and manual data entry to modern workflows. This means increased accuracy and less time spent tracking down paper copies or entering data multiple times.”

“Leveraging our work with more than 500 large forestry customers, we have developed a hosted, cloud-based solution that gives small- and medium-sized businesses the opportunity to benefit from our enterprise expertise while having digital workflows tailored to meet their needs,” said Toohill. “This takes the complexity out of managing and maintaining a dedicated on-prem log and inventory management system.”

In addition to digitizing the supply chain, this new software enables forestry organizations to:

- Simplify load reconciliation by syncing the weigh scale to the settlement system within minutes
- Automate invoicing and financial settlements
- Track yard inventory while monitoring costs to procure timber inventory
- Manage key performance indicators and assess the overall health of the business
- Seamlessly share data with partners
- Eliminate need for additional IT infrastructure as the solution is hosted and managed in Trimble's secure AWS cloud environment
- Integrate mobile tickets, using the LIMS mobile application, with weigh scales to replace hand-written tickets and log sheets