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CIMdata News

CIMdata Announces eBook on “Product Success in the Age of the Customer”

22 July 2021

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces the publication of a new eBook that examines the importance of customer experience (CX) and how leveraging product lifecycle management (PLM) strategies and enabling solutions can help ensure superior CX.

According to Mr. Stan Przybylinski, CIMdata’s Vice President, “In today’s competitive business environment, getting and keeping customers is the name of the game. CIMdata sees business platforms as key to unifying the information technology (IT) landscape and helping provide the necessary customer focus across the lifecycle, spanning more than PLM enabling solutions. Product quality is more important than ever in an increasingly smart, connected world. Companies are also looking to derive significant revenues from downstream field service and maintenance. PLM solutions and processes executed as part of a broader business platform can help leverage the value chain to make these plans a reality.”

Adding to Mr. Przybylinski’s comments, Mr. Ray Hein, co-founder and CEO, Propel, stated, “Manufacturers are increasingly moving toward the customer-first mindset and expect technological advancements to help bring a customer’s voice to the forefront of product experiences. Enterprise collaboration involving customers is critical for product success, and PLM has a vital role to play.”

Please download and read the complete eBook

at <https://www.cimdata.com/en/resources/complimentary-reports-research/white-papers>.

CIMdata Publishes eBook: “Digital Transformation: Driving Competitive Advantage”

21 July 2021

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces the publication of a new eBook, Autonomous Vehicle Development Requires Closed Loop Solutions. The eBook describes why automakers, their supplier network, and city operations need to expand systems integration to make autonomous vehicles a reality. Autonomous Vehicles require multiple systems working together well beyond an individual vehicle. It discusses how Siemens Digital Industries Software (Siemens), a proven provider for the automotive industry, enables a highly integrated model-based systems engineering (MBSE) approach that comprehends transportation systems development and operations.

The challenges facing many of today’s leading automotive companies are no longer solvable with yesterday’s solutions or by throwing more people at them. Siemens’ Autonomous Vehicle Development platform is an integrated MBSE-enabling solution designed to keep teams integrated from start to finish while improving decision-making across many enterprises, from automakers to cities. This comprehensive solution relies on three domains that enable connectedness, performance engineering across the lifecycle, and a system of systems framework enabling continuous development.

According to Mr. Craig Brown, CIMdata Executive Consultant with over 30 years of experience in the automotive industry, “Today’s automakers will need collaboration platforms which allow simultaneous development and use of sensors and intelligence from trusted sources beyond an individual vehicle. For them to survive and thrive, a fully integrated solution spanning multiple enterprises (vehicles, the

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cityscape, and other infrastructure) is required, which fosters adaptability during operations—taking advantage of new traffic and congestion intelligence immediately when discovered. Building on their MBSE solutions, Siemens is now poised to make autonomous vehicles a reality sooner—one that starts integrated and stays integrated well beyond a single vehicle’s development and manufacturing.”

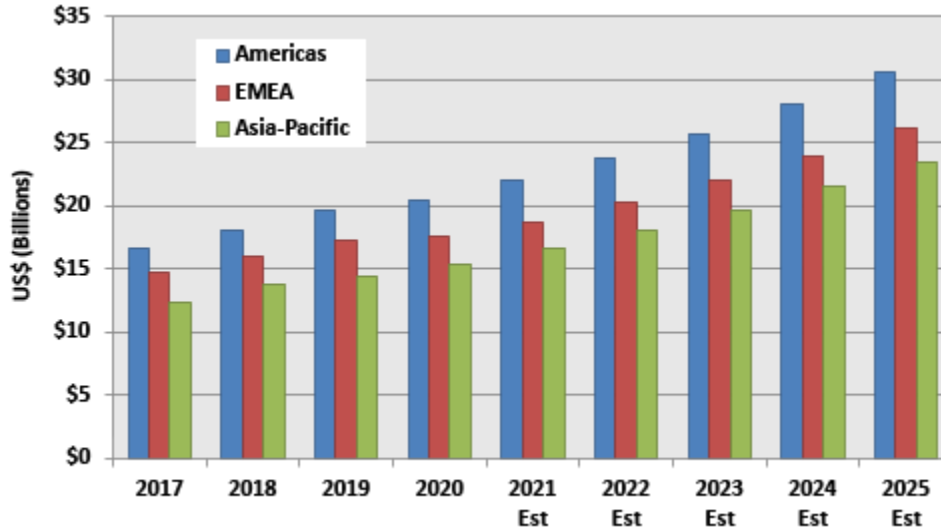
Please download and read the complete eBook

at <https://www.cimdata.com/en/resources/complimentary-reports-research/white-papers>.

CIMdata Publishes PLM Geography Analysis Report

20 July 2021

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces the release of the CIMdata PLM Geography Analysis Report, the fourth of five modules of the CIMdata 2021 PLM Market Analysis Report Series. The MAR Series provides detailed information and in-depth analysis on the worldwide PLM market during 2020. 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.



Geographic Distribution of PLM Revenues—History and Forecast

The PLM market grew to nearly \$53.5 billion in 2020 (3.8% growth over 2019). For 2020, EMEA had 33% of the PLM market, with the Americas at 38.2%, and Asia-Pacific with 28.8%. The Americas region is forecast to grow at a CAGR of 8.4% to reach nearly \$30.7 billion in 2025. EMEA and AP will have CAGRs of 8.2% and 8.9%, respectively. EMEA will grow to \$26.1 billion, and AP will reach nearly \$23.6 billion in 2025.

“The global PLM market grew in 2020, above our forecasts,” states Stan Przybylinski, CIMdata Vice President and research lead. “The COVID-19 pandemic impacted the whole world, including the PLM market. Software and services providers and their customers struggled in the first half of 2020, but all seemed to regain their footing in the second half. The leading PLM solution providers continue to consolidate their portfolios after years of acquisitions. Industrial companies use PLM to enable highly collaborative, distributed, flexible design and manufacturing environments to help better manage the entire product or plant lifecycle. PLM-enabling solutions helped many companies address COVID-19 dictated requirements in these unprecedented times. Another big driver of PLM growth is the push

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toward digital transformation and Industry 4.0, which must be powered by strong PLM strategies and enabling solutions in manufacturing companies. These trends grew even stronger during the pandemic.”

The CIMdata PLM Market Analysis Report Series is packaged as five modules:

1. The *CIMdata 2021 Executive PLM Market Report* provides an overview of CIMdata’s complete global analysis. It includes key charts on PLM market investment statistics through 2020, forecasts of investments for 2021 through 2025, and a summary of PLM solution providers’ performance in 2020.
2. The *CIMdata 2021 PLM Industry Review and Trends Report* is mainly qualitative in nature, and focuses on key issues facing the global PLM Ecosystem of solution providers and end user organizations. It highlights changes that occurred in 2020, what effects those changes may have in the short and medium terms, and what is on the horizon in the years to come.
3. The *CIMdata 2021 PLM Market and Solution Provider Analysis Report* details measures of and forecasts for the overall PLM market and its key segments in 2020, 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 2021 through 2025.
4. The *CIMdata 2021 PLM Market Geographic Analysis Report* provides an additional view of the 2020 market results, by major geography. CIMdata’s 2020 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 2021 PLM Market Industry Analysis Report* provides an industry segmentation view of the 2020 market results. CIMdata’s 2020 estimates and market forecasts for PLM and cPDm are provided for ten different 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. Portions 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.

Siemens to Acquire FORAN from SENER – a CIMdata Highlight

21 July 2021

A boost for Marine and Offshore design and build

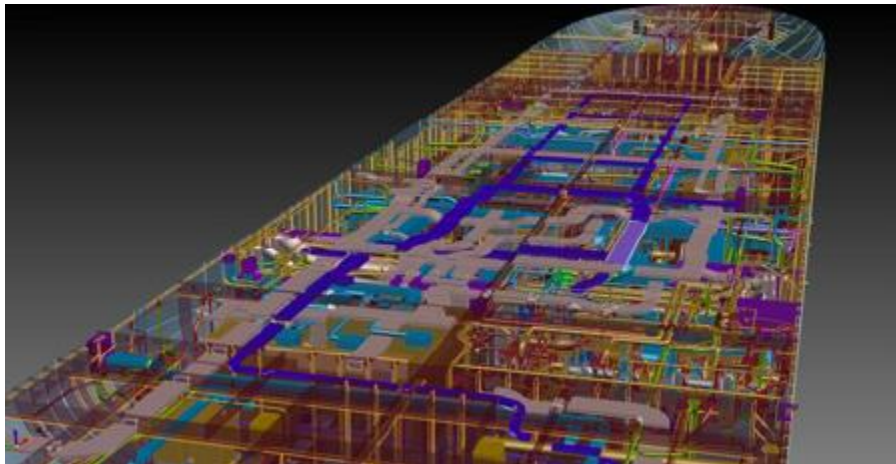
On 20 July 2021 Siemens Digital Industries Software (Siemens) announced an agreement with SENER Group to acquire the FORAN ship and marine structures design, analysis, and manufacturing planning platform. FORAN is well known in marine and offshore circles, and particularly in shipbuilding as one of the premier ship design and analysis solutions currently available. The acquisition will bring considerable ship design expertise including people who developed FORAN’s capabilities across a multitude of disciplines for more than 50 years. CIMdata believes that Siemens’ ability to leverage this experience will have a profound impact on advancing their already successful support of digital transformation in the very challenging marine and offshore industries. However, there are number of technical hurdles to be overcome to allow FORAN to work seamlessly in the Xcelerator portfolio of

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Siemens. We look forward to seeing an integrated solution.

Marine and offshore, and its shipbuilding aspect, is a very old, historically conservative industry resistant to changing any aspect in the way it operates. Based on CIMdata's work with many shipyard and offshore design and build groups we observe a marked delay in taking advantage of technological *and* process advances that other industries such as aerospace, automotive, and machinery design have vigorously adopted since the mid-twentieth century. This has been particularly true in an area that Siemens has highlighted as a major reason for acquiring FORAN—that is, supporting digital transformation throughout products' lifecycles. One issue is that lifecycles in marine and offshore can be extremely long—easily beyond 50 years for products that operate continuously in what are often very harsh environmental conditions.

Overall, CIMdata believes that this acquisition will have a positive impact on an industry that has struggled to adopt new technology and adapt to a multitude of other changes such as how to capitalize on the large investment in maintenance, repair, and operations that owner-operators struggle with. Ship designers who want to improve their use of digital tools and processes will need to digitalize in an environment that allows them to manage digital twins in the context of digital threads of all of the data that defines their hugely complex products—well beyond CAD.



*An Illustration of Design Complexity across Disciplines that FORAN is Capable of Supporting
(Courtesy of Siemens)*

Acquisitions

Accenture Completes Acquisition of Openminded

21 July 2021

Accenture has completed its acquisition of Openminded, a France-based cybersecurity services company. Accenture announced its intent to acquire Openminded on April 29, 2021. Financial terms of the transaction were not disclosed.

Openminded provides advisory, cloud & infrastructure security, cyber defense, and managed security services. Powered by a security operations center, the company helps clients anticipate and reduce cybersecurity risks, rapidly detect and respond to cyber incidents, and implement best practices in regulatory compliance.

The acquisition adds approximately 100 highly skilled cybersecurity professionals to Accenture

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Security's workforce of more than 8,000 professionals globally, extending Accenture's cybersecurity presence and capabilities in France and in Europe.

Accenture Expands Oracle Capabilities in Canada with Cloudworks Acquisition

19 July 2021

Accenture has acquired Cloudworks, a leading Toronto-based Oracle Cloud implementation service provider across North America. The deal further enhances Accenture's capabilities to deliver Oracle solutions to clients on their journeys to the cloud. The financial terms of the acquisition were not disclosed.

Cloudworks, founded in 2016, specializes in strategy, business and technology consulting and has become well known for Oracle Cloud-based solutions in Enterprise Resource Planning, Enterprise Performance Management and Human Capital Management. Cloudworks has leading capabilities in robotic process automation (RPA), data analytics and AI, which help maximize the business value for clients' investments in Oracle Cloud.

The company supports clients in several industries, including transportation, healthcare, manufacturing, retail, mining, oil & gas, utilities and energy, telecommunications & media, financial services, real estate, public sector, and higher education. The majority of Cloudworks' 100 employees are located in Toronto, with additional offices in Calgary, and other locations throughout the United States.

"As organizations across Canada continue to accelerate their technology transformation programs, we anticipate the demand for Oracle solutions to grow significantly," said Jeffrey Russell, president of Accenture in Canada. "By acquiring Cloudworks, we add a highly talented team with industry-specific experience in combining the power of Oracle with the ingenuity of people to unlock new possibilities for clients."

Jennifer Jackson, Accenture Technology lead for Canada, said, "Cloudworks is a well-known Oracle services provider that has worked with organizations across Canada and across industries. We are thrilled to grow our Technology practice in Canada with the Cloudworks team who strengthen our ability to meet the growing need from Canadian organizations to unleash the power of cloud, data and innovation to create truly future-ready organizations."

Samia Tarraf, Accenture Oracle Business Group lead for North America said, "The impact of the Cloudworks team and its experience working with clients in Canada and the U.S. bolsters our entire Oracle business in North America as organizations fast-track their cloud journeys and look to Oracle Cloud applications to create more value and make their businesses more resilient."

Jason Nott, cofounder and CEO of Cloudworks, added, "With Accenture's in-depth capabilities, global scale and experience co-creating and co-developing Oracle solutions, we look forward to delivering greater value for clients, as well as opening up new opportunities for our people. Joining Accenture will also help Cloudworks provide more services to clients through its global team of experts in digital, cloud and robotic process automation."

Cloudworks marks the third acquisition for Accenture Canada over the last year. Accenture acquired Avenai, an Ottawa consultancy focused on public service organizations, and Callisto Integration, an Oakville, Ontario provider of consulting and technology services in digital manufacturing in food and beverage, chemicals, utilities and other industries, both in 2020.

Globally, in 2021, Accenture has announced two Oracle-focused acquisitions: Nell'Armonia, a leading consulting and technology company specialized in enterprise performance management

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solutions, headquartered in Paris, France, and AppsPro, one of the leading Oracle Cloud implementation service providers in Saudi Arabia.

Autodesk Terminates Acquisition Discussions with Altium

21 July 2021

Autodesk, Inc. announced that it has terminated discussions to acquire Altium Limited.

"Autodesk has a long track record of disciplined strategic acquisitions," said Andrew Anagnost, CEO of Autodesk. "While we did verbally improve our initial proposal, we were unable to agree on the basis to advance discussions. We respect the leadership team at Altium and wish them the best with their business."

Capgemini announces proposal to acquire Australian cloud transformation and digital services provider, Empired

19 July 2021

Capgemini announces that it has entered into a Scheme Implementation Agreement with Empired Limited to acquire Empired under an Australian statutory shareholder approved process (Scheme). With more than 1000 professionals in Australia and New Zealand, this acquisition would strengthen Capgemini's capabilities in cloud and data across the region. Capgemini's leadership position in the Australia market would be supported by this acquisition, its 4th in the country in 18 months.

With locations across Australia and New Zealand, and a forecast annual turnover as of June 30, 2021 of between 186 and 188 million Australian dollars, Empired provides end-to-end capabilities in cloud and data to enable the digital transformation of key industries across Australia and offers a complementary geographic footprint to Capgemini. Furthermore, Empired, known in New Zealand through its brand Interger, would mark a step change for Capgemini in New Zealand, where it generates about a third of its business.

Empired is enabling organizations to transform and achieve more thanks to the depth and breadth of its capabilities across the entire Microsoft platform. Highly complementary to Capgemini's global partnership with Microsoft, Empired would bring to Capgemini the largest accredited Microsoft Dynamics team in Australia and New Zealand. The acquisition of Empired would strengthen Capgemini's client portfolio across key industries, notably in Mining, Utilities and Government. For Empired, Capgemini's positive momentum in Asia-Pacific, breadth of service offerings and global scale would help its clients' growing needs, as well as expand career opportunities for its team members.

"Enterprises are at an inflection point in their cloud adoption," said Olaf Pietschner, CEO for Capgemini in Asia-Pacific and Member of the Group Executive Committee. *"Capgemini's extensive transformation expertise combined with Empired's strengths as a leader in Microsoft Azure and Dynamics 365 will open up the full power of digital transformation for our clients in Australia and New Zealand, to run their entire business in the cloud and realize value faster. We look forward to welcoming Empired's talented professionals to Capgemini."*

Empired's Managing Director, Russell Baskerville said *"Over the past 15 years Empired has been on a journey to build the most respected digital services company across Australia and New Zealand. Our strategy has delivered material growth in shareholder value and we are confident that being part of Capgemini will help to accelerate our combined market position in the coming years."*

Mr Baskerville went on to say, *"If implemented, the Scheme will provide outstanding career*

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opportunities for our people and have a positive impact for existing and prospective clients by providing them with access to the significant resources, service capabilities and international experience of Capgemini.”

Capgemini has been accelerating the digital transformation of its clients across industries locally, offering capabilities in strategy and transformation, application and technology, and operations and engineering. Earlier this year, Capgemini announced the acquisition of digital services consultancy provider RXP Services and SAP consulting and digital solution provider Acclimation.

The total proposed consideration for the acquisition of 100% of the share capital of Empired (on a fully dilutive basis) would amount to A\$233 million[1]. The implementation of the Scheme remains subject to certain conditions including Empired shareholders’ approval, court approval, granting of a New Zealand Overseas Investment Act direction order and other customary conditions for a transaction of this nature. Capgemini’s acquisition of Empired is expected to close in mid-November of 2021.

IFS Acquires Customerville

19 July 2021

IFS, the global cloud enterprise applications company, announces that it has acquired Customerville. Design-Driven Feedback™ technology provider, Customerville, is an award-winning feedback platform that elevates feedback and listening across the entire customer journey, blending technology, design, and behavioral science to emulate how people naturally share and respond to feedback.

The acquisition creates a uniquely strong proposition for IFS. IFS enables customers to orchestrate their customers, people and assets to deliver outstanding moments of service. In order to ensure these moments of service are indeed outstanding and critically, meeting customer expectations feedback is essential. By embedding the ability to gather the voice of the customer at the moment of service, IFS will enable companies to perfect these moments of service.

IFS has a long-established relationship with Customerville with the tool deeply entrenched in its own VoC program. The customer sentiment analysis and the really unique view of the intelligence Customerville brings to IFS has played a significant part in how IFS has developed its services, how it developed IFS Cloud, and is continuing to shape its customer Life Cycle Experience program and culture.

The acquisition further cements IFS’s commitment to deliver the capabilities organizations need as they shift their business models away from selling products alone. As companies increasingly focus on design and innovation for service, they are asking for capabilities that helps them understand their customers and their needs better and maintain a dialogue over time. With the acquisition of Customerville, IFS is responding directly to this need.

Darren Roos, IFS CEO, commented: “Customerville is highly differentiated in its field because it is Design-Driven, unlike competitors that offer surveys in static and flat formats, Customerville transforms customer surveys into rich, interactive experiences elevating customer response rates by between 400% and 600%. Successful VoC programs are proven to increase revenue, reduce costs and create a customer centric culture”. Roos continued “Providing this capability to every IFS customer as part of IFS Cloud means empowering them to not only deliver products or services based on customer insights but to do so at the early design stage which creates significant business value.”

Max Israel, CEO of Customerville, commented: “Our goal at Customerville is to show companies they can own the narrative and go beyond emailing dry reports; this is a fundamental shift for companies looking to deepen their understanding of the customer journey and make smarter decisions. With IFS we

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saw a meeting of minds in the desire to create a mechanism that would enable businesses to embed surveys into their own customers' journeys." Israel added "IFS is committed to enabling customers to deliver amazing Moments of Service and we love the team's passion for creating great experiences. Customerville fits right into that mindset and is a natural extension of IFS's proposition and we look really forward to our joint successes."

Customerville surveys are beautifully designed, thoughtfully structured and aligned to the customer journey to create an engaging experience and provide insights decision makers can act upon. The value is not limited to customer engagement and can extend to create better engagement internally with stakeholders, people, managers, employees as well as throughout the ecosystem with partners, suppliers, and others that impact success.

With its main operations based out of Seattle, WA and in Valencia Spain, Customerville offers an advanced survey tool which transforms data into an interactive Design-Driven Feedback™ platform. The offering is designed to generate significantly higher engagement and response rates from customers and address the declining feedback rates resulting from the quarter of a trillion surveys sent out globally every year. Customerville has a comprehensive solution that integrates feedback collection, analysis, distribution, and action into a single, interconnected platform, to help understand and improve CX.

Siemens acquires FORAN software to expand capabilities in marine design and engineering

21 July 2021

Siemens Digital Industries Software announced that it has signed an agreement with Spain-based SENER, a leading multinational company in engineering and technology, to acquire its FORAN software business. FORAN is CAD/CAE/CAM software for the design, construction and engineering of vessels and marine structures. The addition of the FORAN product and team to Siemens, together with its customer portfolio, brings experience and comprehensive know-how across complex commercial marine projects, defense industry standards and regulation compliance. SENER Group will keep and strengthen its traditional marine engineering business line, where it offers design, engineering and consultancy services for different types of ships and offshore vessels.

FORAN will be added to Siemens' Xcelerator portfolio, offering a comprehensive and integrated portfolio of software and services that covers all aspects of the ship lifecycle, from concept design through production to operations and optimized service lifecycle management.

"The acquisition of FORAN enhances our marine digital twin, adding preeminent capabilities to our integrated ship design and engineering digital thread solution," said Tony Hemmelgarn, CEO and President, Siemens Digital Industries Software. "By adding FORAN's extensive tools to the Xcelerator portfolio and leveraging the team's industry expertise, we will be able to offer commercial and naval shipbuilding customers better control of their ship design and manufacturing process as they transition to Shipyard 4.0."

In today's race towards sustainable shipping, shipyards need to innovate faster and deliver greener ships that comply with strict safety and environmental regulations. As the resulting complexity in marine design and build reaches unprecedented levels, risks and inefficiencies in the current design and manufacturing process need to be minimized. Software is critical to optimize this process, cut costs and increase productivity without compromising quality.

"With over 150 shipyard and design office customers across 40 countries, FORAN technology provides a strong position for Siemens to better support customers across the marine industry. At the same time,

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Siemens' global reach and the integration of the FORAN team into Siemens helps guarantee current FORAN clients continuity and improvement to the services provided with a strategic vision for ongoing developments," said Gabriel Alarcón, Managing Director, SENER Engineering. "This transaction allows the FORAN product family to grow in line with the expanded presence that Siemens has in industrial software."

Siemens' acquisition of FORAN is due to close in the fourth quarter of calendar year 2021. Terms of the transaction are not disclosed.

SENER is a private engineering and technology group founded in 1956, which seeks to offer its clients the most advanced technological solutions and enjoys international recognition thanks to its independence and commitment to innovation and quality. SENER employs 2,350 professionals at its centers on five continents.

SENER groups together its own Aerospace and Engineering activities, as well as industrial holdings in companies working in energy through SENER Renewable Investments. SENER Aeroespacial has more than 50 years of experience and is a world-class supplier to Space, Defense and Science. SENER Engineering has become a world reference company in the Infrastructure, Energy and Marine sectors.

Company News

Atos and Graphcore partner to deliver advanced AI HPC solutions worldwide

22 July 2021

Atos and Graphcore announce that they have signed a partnership to accelerate performance and innovation in Artificial Intelligence (AI) by integrating Graphcore's advanced IPU compute systems into Atos' recently launched ThinkAI offering to bring AI high-performance solutions to customers worldwide.

This partnership will mutually benefit both parties. Atos' long-standing position as a European leader in high-performance computing (HPC) and trusted advisor, provider and integrator of HPC solutions at scale will give Graphcore access to a multitude of new customers, sectors and geographies. Graphcore in turn will work with Atos globally to expand its global reach by targeting large corporate enterprise in sectors including finance, healthcare, telecoms and consumer internet as well as national labs and universities focused on scientific research, which are rapidly developing their AI capabilities.

ThinkAI brings together Atos' AI business consultancy expertise - with its experts at the AtosCenter of Excellence in Advanced Computing - with its digital security capabilities and its software, such as Atos HPC Software Suites, to enable organizations to accelerate time to AI operationalization and industrialization.

Graphcore, the UK-headquartered maker of the Intelligence Processing Unit (IPU), plays a significant role in Atos' ThinkAI offering, which is focused on the twin objectives of accelerating pure artificial intelligence applications and augmenting traditional HPC simulation with AI. Graphcore's IPU-POD systems for scale-up datacentre computing will be an integral part of ThinkAI.

Even before today's formal launch of the partnership, the two companies welcomed their first major joint customer, one of the largest cloud providers in South Korea, which will be using Graphcore systems in large-scale AI cloud datacenters, in a deal facilitated by Atos.

"ThinkAI represents a massive commitment to the future of artificial intelligence by one of the world's most trusted technology companies. For Atos to have put Graphcore as a key part of its strategy says a

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great deal about the maturity of our hardware and software, and the ability of our systems to deliver on customer needs,” said **Fabrice Moizan, GM and SVP Sales EMEA and Asia Pacific at Graphcore.**

Agnès Boudot, Senior Vice President, Head of HPC & Quantum at Atos said: “*With ThinkAI, we’re making it possible for organizations from any industry to achieve breakthroughs with AI. Graphcore’s IPU hardware and Poplar® software is opening up new opportunities for innovators to explore the potential of AI for their organizations, complemented with our industry-tailored AI business consultancy, digital security capabilities and software, we’re excited to be orchestrating these cutting-edge technologies in our ThinkAI solution.*”

Atos named Google Cloud ‘Global Social Impact Partner of the Year’ for 2020

21 July 2021

Atos announced that it has been named “**2020 Global Social Impact Partner of the Year**” by **Google Cloud** for its dedication to helping organizations quickly and sustainably overcome the challenges related to COVID-19.

This award also recognizes Atos’ ongoing commitment to decarbonization, embodied by its ambition to reach “net zero” by 2028. In 2020, the group reduced its global carbon emissions by 15%, of which 10% was caused by structural improvement in addition to the effects of COVID-19.

A few initiatives that helped Atos earn this recognition:

- **Increasing telehealth adoption with Google Meet** – COVID-19 had the most significant impact on healthcare workers and Atos helped them overcome some of these challenges with Google Cloud technology. While many medical practices have been moving towards adding telehealth capabilities, the COVID-19 pandemic pushed some to offer it much more quickly than anyone was expecting. Atos worked with healthcare organizations to launch regulation-compliant Google Meet video conferencing capabilities integrated with Epic software in a few short weeks.
- **Using Data to combat the opioid crisis** – while COVID-19 was the primary focus of 2020, other public health crises did not slow down. Worldwide, about 500,000 deaths are attributable to drug use and more than 70% of these deaths are related to opioids^[1]. Few people realize that behind this epidemic, one of the biggest hurdles is a data problem that hinders the work of those trying to bring life-saving resources to areas and individuals most affected by substance abuse. Atos is building a digital platform for overdose reporting and tracking hosted in Google Cloud. An administrative dashboard with real-time data visualizations will help identify, among other things, geographic hotspots. This will help channel life-saving medications to the places they are needed most.
- **Boosting economic recovery with virtual career centers** - to support the economic reopening, regional and national administrations are reimagining how they can help the public reenter the workforce. To aid in these efforts, Atos launched a **Virtual Career Center** solution, powered by Google Cloud, to help public organizations leverage innovative technologies and get their communities back to work. Atos’ team built and delivered the first and most innovative workforce development program of its kind in the U.S.

“*We’re proud to recognize Atos as our Global Social Impact Partner of the Year,*” said **Kevin Ichhpurani, Corporate Vice President, Global Partner Ecosystem at Google Cloud.** “*Atos has demonstrated its commitment to critical health organizations throughout the COVID-19 pandemic, including helping migrate one of the largest non-profit health systems in the U.S., Ascension Health, to*

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Google Workspace and ensuring a smooth transition to remote work.”

“We are particularly proud to have been named the 2020 Global Social Impact Partner of the Year by Google Cloud. From enabling telehealth with Google Meet, to helping states launch a virtual career center, to our decarbonization initiatives, Atos has been focused on making a positive and lasting impact on our world during this unprecedented year. This commitment is rooted in our company’s purpose and applies to our entire portfolio. It allowed us to successfully leverage our expertise and Google Cloud technology to help organizations in all industries keep their workforces safe, engaged and motivated during this difficult year,” stated **Wim Los, SVP Cloud Enterprise Solutions, Atos.**

This award further strengthens Atos’ relationship with Google Cloud and complements Atos’ position as a Google Cloud Premier Partner with 11 Google Cloud Partner Specializations.

AVEVA Signs Up to Race to Zero the Largest Ever Alliance Committed to Achieving Net Zero Carbon Emissions by 2050

23 July 2021

AVEVA, a global leader in industrial software, driving digital transformation and sustainability, today announced that it has become the 47th company in the FTSE 100 to join the United Nation’s Race to Zero campaign.

“By joining the Race to Zero initiative and aligning to the highest level of ambition for climate targets under the Paris Agreement, AVEVA is leading by example on climate action. We are demonstrating our commitment to work across our entire value chain to help avoid global impacts from climate change. We are also pleased to be joining many of our customers in this initiative, as well as key partners, including Microsoft, Accenture and Schneider Electric, that have already committed to this pledge,” commented Peter Herweck, AVEVA CEO.

Race to Zero is a global campaign designed to rally leadership and support from businesses, cities, regions, and investors for a healthy, resilient, zero carbon recovery that prevents future threats, creates jobs, and unlocks inclusive, sustainable growth. It aims to mobilize a coalition of leading net zero initiatives and is the largest ever alliance committed to achieving net zero carbon emissions by 2050. Collectively participants now cover nearly 25% of global CO₂ emissions and over 50% of GDP. AVEVA’s objective is to build momentum and spur rapid action around decarbonization ahead of COP26, where governments must strengthen their contributions to the Paris Agreement.

Andrew Griffith MP, the UK’s Net Zero Business Champion also commented, “Congratulations to AVEVA on joining the UN’s Race to Zero campaign. This demonstrates great leadership and goes hand in hand with the company’s work to support clients like National Grid and Anglian Water in creating a positive impact on the environment. AVEVA joins 46 other FTSE100 companies in the Race to Zero, together representing over a trillion pounds in market capitalization. With just 100 days to go until we host the COP26 Summit in Glasgow – the time to act is now.”

Collaborating to Nurture Sustainability Throughout its Ecosystem

AVEVA has already joined a number of corporate sustainability initiatives to date that bring together companies to work on climate challenges collectively, including BSR and the UN Global Compact. Most recently AVEVA joined The Renewable Energy Buyers Alliance (REBA) a joint collaboration of large clean energy buyers, energy providers, and service providers that, together with NGO partners, are unlocking the marketplace for all nonresidential energy buyers to lead a rapid transition to a cleaner, prosperous, zero-carbon energy future.

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“AVEVA, remains committed to lead sustainable innovation and we are taking affirmative actions to embed sustainability into our operations, our culture and our core business strategy,” commented Herweck. “By being part of the Race to Zero initiative, we are leading by example and setting the direction we will take to drive sustainability throughout our own operations, and the software we develop for our customers globally. We will continue to formalize our sustainability pledges across all our focus areas as well as develop interim goals to help us report and communicate on our progress, and we look forward to sharing more details in the months to come.”

Today’s AVEVA announcements builds on a recent climate mitigation commitment made by AVEVA as part of its long-term sustainability agenda. In June 2021, the company announced its commitment to reach net zero greenhouse gas emissions across its operations (Scopes 1 & 2) by 2030, as well as its plans to submit ambitious mitigation targets for external validation by the Science Based Targets initiative (SBTi) before the end of the fiscal year.

Capgemini and CONA Services LLC form strategic partnership to develop tomorrow’s digital solutions for the consumer products industry

22 July 2021

Capgemini and CONA Services LLC (CONA), the core IT & Analytics services provider of the North America Coca-Cola bottlers, have agreed to a long term co-development and go to market partnership, to build and power a new set of consumer products, retail, and distribution (CPRD) digital solutions. This new strategic partnership will provide the agility, speed and insights required for enterprises integrated with top technology platforms to be competitive in today’s asynchronous, demand-driven market.

The partnership combines Capgemini’s leading global expertise in strategy, technology services, consulting around the building of assets and speed of delivery, with CONA’s industry leading knowledge. It will also involve close collaboration with both Microsoft and SAP®. The partnership will operate with an agile start up mindset approach to rapidly create digital solutions. Its initial focus will be on meeting the need for cloud enabled configurable plug-in components leveraging the SAP® Business Technology Platform (BTP) for the direct store delivery (DSD), consumer products, retail, and logistics industry. Ultimately, the partnership will see Capgemini, CONA and their respective communities working together to build, deploy and offer scalable solutions to the wider CPRD industry to empower them as digital businesses. It also enables exciting people development opportunities for both CONA and Capgemini. The partnership includes a joint go to market agreement between the two companies.

Reinhard Meister, Chief Executive Officer of CONA Services said: *“This partnership has the potential to solve faster industry growth opportunities and will be instrumental in creating a thriving, competitive market powered by innovative digital solutions. CONA Services and Capgemini’s existing long-term relationship, based on similar mindsets, cultures and business values, provides a strong foundation on which we can work together towards this goal which we believe could help to transform our industry.”*

CONA Services was established to provide core IT applications, operations, and infrastructure for the largest Coca-Cola bottling partners in North America. It runs a full suite of solutions that deliver end-to-end operating capabilities and provide a competitive advantage in today’s complex market.

Capgemini, has been working with CONA Services as its largest strategic business partner since 2013, supporting various programs including the deployment of the largest single instance of SAP software in the world at the time. Capgemini has helped CONA Services achieve significant business outcomes such as highly stable systems operations, which prompted the opportunity for further strategic collaboration.

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Jim Bailey, CEO of Capgemini's Americas Strategic Business Unit and Member of the Group Executive Board at Capgemini, commented: *"We are extremely proud of our long history of working with Coca-Cola and CONA Services. This announcement is a culmination of years of working together and combines the power of two global leaders for the greater advancement of technology within the consumer products, retail, direct store delivery, and logistics segment. Our development and delivery of tomorrow's products and services to these organizations will move them towards realizing the business benefits of intelligent industry, in terms of harnessing the power of data to improve supply chains, create new customer experiences and new sources of value."*

DELTEK ANNOUNCES EXECUTIVE APPOINTMENTS FOR ITS GLOBAL SALES AND SERVICES BUSINESSES

20 July 2021

Deltek, the leading global provider of software and solutions for project-based businesses, announced today it has appointed Natasha Engan as the Senior Vice President of Global Sales and Brian Daniell as Chief Customer Officer. Engan and Daniell, both Deltek veterans, will continue reporting to Deltek CEO, Mike Corkery.

Natasha Engan brings over 20 years of experience and leadership to her new role as head of Deltek's global sales, managing a team of over 450 sales professionals. Engan joined Deltek in March of 2017 as Senior Vice President of Deltek's Global Consulting business. Prior to Deltek, Engan held various leadership positions at IBM, including VP of Security Financial Services Market and Security Sales, and VP of North American Cloud Services.

Brian Daniell, a 30-year veteran with Deltek, has held several leadership positions in Deltek's Customer Care organization. This move will add Global Consulting to Daniell's current line of business – Deltek Customer Care – helping to accelerate the time to value for Deltek customers and to deliver award-winning customer experience.

"Deltek is fortunate to have experienced, proven leaders like Natasha and Brian who can pivot with our business so we can continue to deliver as efficiently and effectively as ever," said Mike Corkery, President & CEO at Deltek. "With these changes, we are prepared to build on the great momentum we've seen the first half of the year and continue ensuring our customers' success in 2021 and beyond."

These executive appointments are effective immediately as Matt Strazza, formerly Deltek's head of Global Sales, transitions to become President at ConstructConnect, another company in the Roper Technologies portfolio.

Infosys to establish Digital Technology and Innovation Center in Stuttgart for the Automotive Sector

20 July 2021

Infosys, a global leader in next-generation digital services and consulting, announced the launch of its Automotive Digital Technology and Innovation Center in Stuttgart, Germany, building on its strategic commitment to drive innovation and IT infrastructure transformation in the sector.

The new center brings together automotive and IT experts from across Germany into a space for shared knowledge, skills and innovation. As a part of Infosys' partnership with Daimler, automotive IT infrastructure experts based in Germany will transition from Daimler AG to the new Digital Technology and Innovation Center. Encouraging sustainable growth within the German automotive sector, it will

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provide its customers with tools to meet the country's growing demand for electric vehicles.

Infosys aims to create a gold standard for Germany's automotive and manufacturing companies to accelerate and standardize technology adoption. It will provide training and innovation labs and focus on industry transformation, including the infrastructure required to design future and advanced technologies such as artificial intelligence, automation and electrification. The center will also spotlight Infosys' commitment to championing sustainability, leveraging resources such as a data center operating on 100 percent renewable energy and zero water consumption.

Through the new center Infosys will support leading German automotive company, Daimler AG, strengthen its IT & data center infrastructure, and drive competitive edge in line with its ambitions to standardize, consolidate, scale and transform to Net Zero with seamless customer experience.

Dr.-Ing. Jörg Sommer, formerly Director of Digital Foundation at Daimler has been designated as the CEO of the Digital Technology and Innovation Center in Stuttgart, which is a separate legal entity and officially called Infosys Automotive and Mobility GmbH & Co. KG.

The center promotes a multi-cloud and carbon neutral approach to IT infrastructure transformation, leveraging Infosys Cobalt, a combination of Infosys services, solutions and platforms that supports enterprises in accelerating their cloud journey, alongside other leading cloud providers. Through its cloud approach the center will enable an anytime, anywhere workplace primed to address present and future needs. The center offers Infosys the opportunity to play an instrumental role in the transformation of Daimler as an industry leader, and in turn provides other automotive manufacturers the opportunity to leverage Infosys IP and tools as well as unlock valuable growth opportunities during a crucial time for the automotive sector and growing German economy.

"The Digital Technology and Innovation Center in Stuttgart will provide a wide range of benefits for both Infosys and the German automotive sector. By bringing together the formidable skills and expertise across Germany, this center will support Daimler in its hybrid multi-cloud and AI-driven digital transformation journey to scalability. It will also provide a cloud architecture blueprint for other German manufacturers to emulate as they move through a period of resilient IT transformation. Amidst the rising demand for electric cars, we're committed to supporting the German automotive industry as it addresses these changes in behavior," said **Salil Parekh, Chief Executive Officer, Infosys**.

"As software becomes modular and IT infrastructure continues to scale, Daimler will take three simultaneous steps to transform its IT landscape: consolidation, scaling and modernization. Through establishing the Infosys Automotive and Mobility GmbH in Germany, Infosys is committed to grow with us in the automotive industry and provide exciting career opportunities for our employees. The center will also set new standards for cloud and infrastructure services in the automotive industry. We're delighted that through this partnership, Daimler will strengthen its overall technology investment and partnership strategy," said **Jan Brecht, Chief Information Officer, Daimler and Mercedes-Benz**.

"We're thrilled to announce the establishment of the Digital Technology and Innovation Center, an exemplary facility providing a testbed for innovation, and critically, a platform for cross-industry expertise and skills transfer. To deliver on new and emerging mobility trends, automotive brands need to be able to scale and deliver innovation to market at speed. Through cutting-edge technologies such as cloud, artificial intelligence, automation, and electrification, the Innovation Center will be a catalyst for accelerating the development and availability of pioneering technology in the market, as well as simplifying and standardizing hybrid cloud stacks across the industry," said **Dr.-Ing. Jörg Sommer, Chief Executive Officer, Infosys Automotive and Mobility GmbH & Co. KG**.

MathWorks Deepens its Engagement with Greentown Labs, becomes its newest Terawatt Partner

14 July 2021

Greentown Labs, the largest climatetech startup incubator in North America, announced that MathWorks, the leading developer of mathematical computing software for engineers and scientists, has elevated its partnership with the incubator to the Terawatt Level—the highest level of partnership at Greentown.

MathWorks, headquartered in Natick, Massachusetts, has been a supportive partner of Greentown since 2014 when it launched its “MATLAB and Simulink for Startups” program, which provides free access to its software solutions for incubators and accelerators. Greentown was the first incubator partner in the program which has grown to support more than 400 startup incubators and accelerators around the world.

“Greentown Labs was our first incubator partner and we have been fortunate to support many of its amazing startup companies. With the expansion of our partnership to the Terawatt level, we are excited to extend that support to more climatetech entrepreneurs including those in Greentown Lab’s new Houston, Texas location,” said David Rich, Director of MATLAB Product Marketing at MathWorks. “Startups are an engine of innovation. MathWorks and Greentown Labs are committed to helping startups innovate faster, reduce their risk through simulation, and ultimately grow into successful companies.”

Through the MATLAB and Simulink for Startups program, Greentown’s startups receive free access to MATLAB, a programming and numeric computing platform used to analyze data, develop algorithms, and create models, and Simulink, a simulation environment for products and systems. Greentown entrepreneurs also gain access to more than 100 add-on toolboxes, engineering support from MathWorks’ experts, and access to the MATLAB Central user community.

Over the past seven years, MathWorks has accelerated the development of hundreds of Greentown startups working across a variety of sectors from microgrids to autonomous vehicles to marine mammal monitoring. Learn more about how the company has supported some of Greentown’s startups here and see the startups speak about the positive impact MathWorks made on their companies here and here.

“As one of our longest-standing partners, we’re thrilled to have MathWorks expanding its engagement with Greentown and our community of climatetech startups,” said Dr. Emily Reichert, CEO of Greentown Labs. “MathWorks offerings play a critical role in the success of our engineering and science-focused community. They are uniquely positioned to help our entrepreneurs model and test their products in a simulated environment, which is critical to their development efforts. We are extremely grateful for MathWorks’ continued support.”

Through a deeper partnership with Greentown, MathWorks will gain access to curated startup pitch days with innovations from emerging technology sectors, and hold a seat on Greentown’s Advisory Board, which provides strategic guidance and input to the incubator throughout the year. David Rich, Director of MATLAB Product Marketing, will serve on the Advisory Board for 2021.

The Greentown community is comprised of climate action pioneers working to design, develop, and deploy solutions to combat climate change. MathWorks is one of a limited number of Greentown partners that provides direct access to the tools and resources the community of entrepreneurs need to accelerate their pathway to market.

Robert Cresanti Joins Accenture to Lead North America Government Relations and Global Government Relations Network

19 July 2021

Accenture has hired Robert Cresanti as managing director to lead government relations activities in North America and to serve as head of Accenture's global Government Relations Network.

Cresanti brings nearly 30 years of experience in the public and private sectors, including roles in the US House of Representatives and US Senate. He will report to Joel Unruch, Accenture's general counsel and corporate secretary.

"Robert brings a deep understanding of navigating complex legislative issues," Unruch said. "His unique combination of skills and expertise, particularly in the technology sector, will serve us very well."

Cresanti joins Accenture from the International Franchise Association (IFA), comprised of more than 1,400 brands that include many iconic restaurants and hotels. Before joining the IFA, Cresanti led government relations at SAP. He began his career on Capitol Hill, where he became an expert in banking and tax issues over his nine-year tenure. In 2006, he was confirmed as Under Secretary for Technology and Chief Privacy Officer at the US Department of Commerce.

"We're pleased to welcome such a seasoned leader and relationship builder as Robert to our team," said Jimmy Etheredge, Accenture's chief executive officer of North America. "I know his extensive government experience will provide valuable insights and perspectives."

Cresanti holds a law degree from Baylor University and a Bachelor of Arts in Political Science and International Relations from Austin College in Texas. He is based in Washington, DC.

Rockwell Automation and Kezzler Partner to Offer End-to-End Cloud-Based Industrial Traceability Solutions

20 July 2021

Rockwell Automation, Inc., the world's largest company dedicated to industrial automation and digital transformation, announced a partnership with Kezzler AS, a cloud-based product digitization and traceability platform, to help manufacturers capture the journey of their products from raw material sources to point-of-sale or beyond using cloud-based supply chain solutions that focus on product traceability. The combined offering is ideal for customers in industries like life sciences, food and beverage, and consumer packaged goods that are focused on complying with regulatory requirements and meeting consumer expectations in areas like product quality, safety, and sustainability.

Rockwell's supply chain capabilities will combine with Kezzler's traceability technologies to help customers connect suppliers, manufacturing, logistics, and consumers into one real-time traceability platform. Kezzler's cloud-based solution provides integration flexibility and ease of access to existing systems of record that incorporate a wide range of technologies from immutable ledgers (blockchain) to traditional databases. The two companies can also create unique identities that can be used to digitally identify and track products from creation to consumption. For example, Rockwell and Kezzler can provide the data needed for manufacturers to aggregate total environmental footprint per manufactured product. This data can then be used for evidence and improvement or be shared directly with consumers through the product, allowing a company to use sustainability practices as a competitive advantage.

Once the recently announced acquisition of Plex Systems closes, Rockwell anticipates integrating the cloud-native factory floor track-and-trace capabilities of Plex with the end-to-end capabilities of

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Kezzler, providing supply chain visibility and management capabilities that are both broad in scope and deep in functionality.

“Our partnership with Kezzler will provide greater supply chain transparency to enhance safety and quality control measures, ensure regulatory compliance, and meet ESG goals with cloud-based technologies that are easy to implement and easy to use,” said Matt Fordenwalt, Rockwell vice president and general manager, Systems & Solutions Business. “By combining our technology and expertise with Kezzler’s, we can quickly design and deliver a serialization solution customized to meet specific business requirements with advanced cloud-native software.”

Rockwell and Kezzler have already created traceability solutions for customers like FrieslandCampina, one of the world’s largest dairy companies. By creating unique QR codes on each of its Friso infant formula products, the company can now track its products from farmer to consumer. Consumers can also scan the codes to check authenticity and learn more about the product and its origin.

“Together, we can help manufacturers connect all points of a product’s journey, beginning with its inception and ending with its point of sale, consumption, or even where it’s recycled,” said Kezzler CEO, Christine C. Akselsen. “Tying upstream and downstream data together creates true end-to-end traceability, with a single data repository for each product.”

Kezzler is joining the Rockwell Automation Digital Partner Program, a centralized resource for best-in-class digital solutions designed to help customers as they guide and simplify digital transformation within their manufacturing operations.

Shekar Ayyar Joins Altair Board of Directors

19 July 2021

Altair announced that Shekar Ayyar has joined Altair's board of directors.

"Shekar brings a wealth of consulting, strategy, and technical expertise in electronics, telecommunications, and software markets to our board of directors," said James R. Scapa, founder, chairman, and chief executive officer, Altair. "He has an outstanding track record of efficiently scaling technology businesses including both organic and inorganic growth."

With more than 25 years of industry experience, Ayyar was most recently an executive vice president and general manager for VMware's telco and edge cloud business unit and previously held other leadership positions at VMWare including as the company's executive vice president of strategy and corporate development. He is currently the chief executive officer of AdMY Technologies Inc. and a venture partner with NTTVC.

Prior to joining VMware, Ayyar held senior positions atBindView, Instantis, Lucent Technologies, and McKinsey & Company. Prior to McKinsey, he was an assistant professor of electrical engineering at Lafayette College and conducted research at Bell Laboratories.

"I look forward to joining Altair's board of directors. Altair is poised for exceptional growth propelled by its best-in-class, robust, scalable, and technically differentiated platform that brings together the power of simulation, HPC, and AI," said Ayyar. "Its ability to leverage software and cloud technology combined with its entrepreneurial culture is a great asset."

Ayyar earned a master of business administration degree from The Wharton School of the University of Pennsylvania; a PhD and master of science degree in electrical engineering from Johns Hopkins University; and a bachelor of science degree in electrical engineering from the Indian Institute of Technology, Bombay.

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Altair also announced that Richard Hart has resigned from Altair's board and that Ayyar will fill the vacancy resulting from that resignation.

"We want to express our sincere gratitude to Richard for his outstanding advice throughout his tenure on the board. His insights were extremely valuable and his service greatly appreciated," said Scapa. "He will be missed."

TCS Wins 2020 Google Cloud Breakthrough Partner of the Year Award

22 July 2021

Tata Consultancy Services (TCS), a leading global IT services, consulting and business solutions organization, has been selected as the 2020 Google Cloud Breakthrough Partner of the Year for demonstrating innovative thinking, outstanding customer service, and best-in-class use of Google Cloud products and solutions.

TCS is a Premier Google Cloud partner with a large and growing global talent pool of Google Cloud-certified consultants. In recent months, it has won significant cloud transformation deals with marquee leaders with its full-stack service catalog that includes IT modernization, digital transformation, and industry solution offerings as well as strong capabilities, accelerators, and differentiators. TCS won the 2020 Google Cloud Breakthrough Partner of the Year Award for outstanding results across sales, delivery, competency development, expertise, specialization badges, and growth of its customer base.

TCS has invested in and built industry-specific solutions on Google Cloud to drive innovation and digital transformation for industries such as banking and financial services, life sciences and healthcare, retail and consumer packaged goods, communications and media, manufacturing, utilities and energy and resources. Use cases include personalized digital consumer experiences in retail, modernizing manufacturing processes with AI and connected machines, and building multi-cloud platforms for the financial services industry.

"TCS is helping leading enterprises accelerate their multi-horizon cloud transformation journeys leveraging its contextual knowledge, innovation and intellectual property to power their purpose-led sustainable growth," said **Nidhi Srivastava, Global Head, Google Business Unit, TCS.** *"We are honored to win this award. It validates our agility, leadership in innovation around Google Cloud, our exceptional customer service, and the resultant outstanding growth."*

"We're delighted to recognize Tata Consultancy Services as our Global Breakthrough Partner of the Year based on the growth of their Google Cloud business and their commitment to customer success," said **Kevin Ichhpurani, Corporate Vice President, Global Partner Ecosystem, Google Cloud.** *"These annual awards recognize the significant commitment our partners like TCS have made in supporting customers' digital transformations, and in launching a dedicated Google Business Unit with end-to-end partnership across sales, delivery, and competency in order to foster accelerated growth."*

TCS Wins Two Microsoft Partner of the Year Awards

19 July 2021

Tata Consultancy Services (TCS), a leading global IT services, consulting and business solutions organization, has won two 2021 Microsoft Partner of the Year Awards – Azure Intelligent Cloud in France and Dynamics 365 Field Service in the US, for demonstrating excellence in innovation and providing outstanding solutions and services based on Microsoft technology.

TCS received a total of six Microsoft accolades – up from two in 2020. In addition to winning the two

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awards, TCS was a finalist in the categories of Global Services Integrator Partner of the Year, Global Services Integrator Digital Transformation Partner of the Year, US Retail and Consumer Goods Partner of the Year and Canada Tech Intensity Impact Award.

“We are thrilled to be recognized by Microsoft, underscoring TCS’ ongoing commitment to helping our clients become more resilient and agile as they pursue transformation-led growth with Microsoft technology,” said **Siva Ganesan, Global Head, Microsoft Business Unit, TCS**. *“The combined forces of TCS’ industry-aligned consulting experience, and Microsoft’s leading technology enable us to accelerate time to value for our joint clients.”*

TCS’ Microsoft Business Unit works with customers worldwide to accelerate their multi-horizon cloud transformation journeys. TCS uses its deep industry knowledge and large and growing global talent pool of Microsoft-certified consultants to help customers leverage the power of AI, automation and cloud to enhance customer experience, reimagine employee empowerment, optimize operations and spur innovation. To date, TCS has successfully completed over 1,000 Azure engagements for more than 225 global customers.

TCS’ unique products and platforms, including MasterCraft™, an IT delivery automation platform, Optumera™ an AI-powered merchandise optimization suite, and Jile™, an enterprise agile planning and delivery product, are also available on Microsoft technologies.

TCS is a Microsoft Gold Competency Partner, the highest-level in the Microsoft Partner Network community and has best-in-class capabilities to deploy Microsoft business solutions. Additionally, it is a designated Microsoft Azure Expert Managed Service Partner, recognizing TCS’ proven expertise in delivering the highest quality of service on Azure.

The Microsoft Partner of the Year Awards recognize partners that have developed and delivered outstanding Microsoft-based solutions during the past year. Awards were classified in various of categories, with honorees chosen from a set of more than 4,400 submitted nominations from more than 100 countries worldwide.

Vectorworks, Inc. Announces New Office Location in Australia

19 July 2021

To continue to grow and support its expanding user base, global design and BIM software provider, Vectorworks, Inc., is excited to announce the establishment of a new corporate office in Australia.

Through the acquisition of OzCAD, the Australian distributor of Vectorworks software for over 20 years, Vectorworks further extends its offerings and services to customers across the globe with an Asia-Pacific-based hub. The Vectorworks Australia office will build on the dedicated technical support, strong sales infrastructure and exceptional customer service created by OzCAD over the past two decades to magnify its offerings to Australian designers and beyond. Former OzCAD manager, Annabel Carr, will oversee operations in the Vectorworks Australia office.

“Advancing our existing presence in Australia by opening a new office will allow us to better serve our growing customer base in the Asia-Pacific and beyond,” said Vectorworks CEO Dr. Biplab Sarkar. *“The OzCAD team has not only provided significant contributions to the development of this market over the past 20 years, but also delivered top-quality support and service to Vectorworks customers. I look forward to our continued success and expansion in Australia with this experienced and passionate team.”*

In addition to its headquarters in the United States and offices in Newbury, England and Vancouver,

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Canada, Vectorworks has a network of over 35 distributors around the world. Its software solutions are available in 11 languages, providing powerful tools to help designers capture ideas, nurture innovation, communicate effectively and carry out their creative visions.

“We are thrilled to join the Vectorworks, Inc. team. Having worked closely with our U.S. colleagues for many years, we are honored to unite in delivering world-class software to Australian designers,” said Julian Carr, former owner of OzCAD, now serving as Director of Australian Technical Operations. “In choosing to invest in Australia, Vectorworks, Inc. communicates a clear message about the strength of the Australian market, where Vectorworks serves a diverse spectrum of design industries. Empowered by the resources of the Vectorworks headquarters, we will continue to serve and grow our Australian customer base with local expertise, support and customizations.”

The Vectorworks Australia office is located in Sydney, New South Wales.

Vectorworks, Inc. Joins the Open Geospatial Consortium to Contribute to GIS and BIM Standards

19 July 2021

Global design and BIM software provider, Vectorworks, Inc. announces its official membership in the Open Geospatial Consortium (OGC), a global resource for geospatial information and standards. As a technical member, Vectorworks will offer its experience and expertise in connecting BIM and GIS workflows to the OGC.

“Joining the OGC is a milestone that not only shows our commitment to standards for BIM and location data, but also demonstrates how we’re continually progressing to advocate for the needs and standards of the AEC and landscape industries,” said Vectorworks CEO Dr. Biplab Sarkar. “Together with the 500-plus businesses and organizations this partnership brings, we look forward to discussions with innovative thought leaders on emerging tech trends, open geospatial standards and the future of BIM and GIS that will define solidified and streamlined principles for the industries.”

Through their member-driven consensus process, OGC serves as the leading authority on geospatial standards, ensuring that location information is findable, accessible, integrable and reusable. Vectorworks global architecture, landscape architecture and planning customer-base, along with the use of geospatial data across BIM and BIM for landscape workflows, are leading priorities for the company. As such, together with the OGC, Vectorworks will participate in discussions that ensure interoperability of geospatial data within design and BIM projects.

“I’m happy to welcome Vectorworks to our collective global, problem-solving community of geospatial experts and users that is the OGC,” said OGC CEO Dr. Nadine Alameh. “A key part of the mainstreaming of geospatial is the integration of information between the AEC and geospatial information environments in the architecture and landscape architecture industries. Vectorworks’ commitment to such an integration across BIM workflows based on international open standards and best practices cannot be timelier and more impactful to the Consortium and the community overall.”

Wipro and Celonis Launch Global Celonis Center to Optimize Business Processes and Enterprise Impact

21 July 2021

Wipro Limited, a leading global information technology, consulting and business process services company and Celonis, the global leader in execution management, announced a partnership. As a part of

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this collaboration, Wipro will launch the Global Celonis Center to drive operations transformation for clients. This partnership will leverage the Celonis Execution Management System and Wipro's expertise to streamline operations for clients across a range of areas, including finance, human resources, and supply chain management.

Through the Global Celonis Center, customers will be able to work with digital twins of business processes to monitor, standardize and control them. Additionally, they can identify and remove efficiency, effectiveness and experience barriers and reap the benefits of intelligent, data-driven execution. This will lead to superior customer experience, delivering enhanced business value and operational cost reduction.

The Global Celonis Center aims to provide a critical boost to global enterprises recovering from the impact of COVID-19 and looking to re-build organizational resiliency through operational transformation. It will help enterprises usher a new operating model without disrupting their long-term IT investments.

“Wipro is committed to help clients maximize their business performance and move towards customer-centric and smart operations. The strategic partnership with Celonis will enhance our capabilities in these crucial areas and reaffirm our role as a trusted partner for operations transformation. This collaboration allows us to gain unparalleled insights and a clearer view of the overall organizational processes giving us the ability to implement corrective transformation levers that make processes more efficient,” said **Praveen Gulabrani, General Manager & Global Head, Enterprise Operations Transformation, iCORE, Wipro Limited.**

“The Wipro-Celonis partnership will help customers by providing greater access to powerful tools and capabilities including next-generation outsourcing models for data operations as a service as well as real-time process intelligence. This strategic collaboration will boost value for enterprises and help increase their competitiveness. By combining Wipro's expertise to drive SaaS-based cloud transformation and Celonis' market-leading process mining and execution management capabilities, customers will be able to accelerate their digital transformation journeys for greater savings, optimization, and defined business outcomes,” said **Amit Puri, Vice President & Global Head – BPO & Managed Services, Celonis.**

Wipro Recognized as 2021 Microsoft Modernizing Applications Partner of the Year

23 July 2021

Wipro Limited, a leading global information technology, consulting and business process services company, announced that it has won the 2021 Microsoft Partner of the Year Award in the Modernizing Applications category. In addition, Wipro was also named as a category finalist in the 2021 AI Partner of the Year category, solidifying its reputation as an innovator in multiple sectors.

This recognition highlights Wipro's deep expertise and ability to go above and beyond for its customers, powered by an established partnership with Microsoft. Even when working with complex customer environments, spanning across hundreds of servers with different applications of different versions, Wipro was able to help customers meet their business needs and leverage the power of public cloud in an efficient way.

“Global enterprises have embraced modernization at an unprecedented scale and pace, and the demands of the past year show no sign of easing. We are honored to be named Microsoft's Partner of the Year for the second consecutive year. Earning this distinction in the highly competitive Modernizing Applications category is a testament to our expertise, our valued partnership with Microsoft, and our

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drive to simplify application modernization and accelerate clients' digital transformation journey," said **Rajan Kohli, Managing Partner – iDEAS, Wipro Limited**.

The Microsoft Partner of the Year Awards recognizes Microsoft partners that have developed and delivered outstanding Microsoft-based solutions during the past year. Awards were classified in a number of categories, with honorees chosen from a set of more than 4,400 submitted nominations from more than 100 countries worldwide.

"I am honored to announce the winners and finalists of the 2021 Microsoft Partner of the Year Awards. These remarkable partners have displayed a deep commitment to building world-class solutions for customers—from cloud-to-edge—and represent some of the best and brightest our ecosystem has to offer," said **Rodney Clark, Corporate Vice President, Global Partner Solutions, Channel Sales and Channel Chief, Microsoft**.

Wipro and Microsoft have worked together for over two decades to help enterprises of all sizes to simplify operations, drive business acceleration and enhance the customer experience. Furthermore, Wipro enhanced its offerings for solutions leveraging Microsoft's enterprise cloud services with the launch of its Microsoft Business Unit in March 2020. Wipro has also adopted Azure Cloud for its own digital transformation journey.

Wipro to Invest \$1 Billion to Expand Cloud Transformation Capability, Launches Wipro FullStride Cloud Services

20 July 2021

Wipro Limited, a leading global information technology, consulting and business process services company, announced the launch of **Wipro FullStride Cloud Services** and its commitment to **invest \$1 billion** in cloud technologies, capabilities, acquisitions and partnerships over the next three years. As the cloud opportunity accelerates, Wipro FullStride Cloud Services brings together the full portfolio of Wipro's cloud-related capabilities, offerings and talent to better orchestrate the cloud journey for clients. This commitment builds on Wipro's existing and extensive cloud business with clients and significantly expands the investment with its partners and hyperscalers, creating industry solutions that accelerate results for mutual clients.

Wipro has seen consistent growth in its cloud business and today employs over 79,000 cloud professionals and more than 10,000 people certified by the leading cloud service providers. Over the past 12 months, Wipro has announced significant cloud-related wins with Telefónica Germany / O2, Verifone, and E.ON in addition to METRO AG, one of the largest deals in Wipro's history.

"Today, cloud adoption is at the core of any IT transformation initiative, and our clients have been turning to Wipro for help with this. With our \$1 billion investment in cloud capabilities, and the launch of Wipro FullStride Cloud Services, we are in a far stronger position to simplify, orchestrate and accelerate the cloud journey for our clients," said **Thierry Delaporte, Chief Executive Officer and Managing Director, Wipro Limited**.

Wipro FullStride Cloud Services will work with clients to better align business and IT with the cloud imperative, create significant business value and increase competitive differentiation. It will also improve their business agility, embed resilience and significantly optimize their technology investments in favor of change and innovation. Wipro FullStride Cloud Services puts client and business needs first while orchestrating simplicity in an otherwise complex ecosystem.

"Cloud adoption and innovation are an essential part of our IT strategy. For a company like METRO that operates in 25 countries, quickly migrating to the cloud enables decentralization, agility, speed and

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flexibility in engineering and development. We are delighted to have a multi-year strategic partner and leader like Wipro to support our cloud strategy and simplify a complex, technology ecosystem for our success and growth,” said **Timo Salzsieder, CIO, METRO AG.**

“With the introduction of the Chief Growth Office, we are renewing our focus on our global partnership ecosystem, amplifying and simplifying how we go to market together to orchestrate cloud transformation for our clients. We will announce a new leader for this group very soon.” said **Stephanie Trautman, Chief Growth Officer, Wipro Limited.**

Wipro FullStride Cloud Services is a collaboration between Wipro’s Chief Growth Office and existing Global Business Lines to create an integrated and comprehensive cloud transformation capability for customers, partners and cloud experts. With the launch of Wipro FullStride Cloud Services, Wipro is set to make cloud innovation and progress thrive, fueled by passion, collaboration, and boldness for clients.

Zemax Announces Updated Zemax Website and Customer Portal

22 July 2021

We are excited to announce that Zemax.com is about to get a major update. Coming on July 26th, Zemax.com will be the home to all support, training, and product content. We are merging Zemax.com and all MyZemax and OpticsAcademy content into one centralized location.

In addition, we have updated our digital infrastructure to better support our customers. In response to customer feedback, we have made the following updates to our digital presence.

- Faster and more fully featured customer community for better collaboration
- Improved support ticketing system for visibility of your ticket status and ticketing history
- Upgraded knowledgebase with article categorization for browsing content
- New global search functionality to more easily find what you need
- Improved eCommerce platform to purchase what you need when you need it
- Modern infrastructure to ensure fast load times across the globe

You can use your existing MyZemax credentials to log in from the Zemax.com home page. You will see that you have access to knowledgebase articles and global search functionality without the need to login. We have added short term licenses to our new eCommerce platform. You will also find the updated EULA and Terms of Service posted on the new site.

Financial News

Sandvik - Interim Report Second Quarter 2021

19 July 2021

Second quarter 2021

Continuing operations

- Order intake 25,857 million SEK (18,971)
- Organic growth, 43% (-23.0)
- Revenues 23,460 million SEK (20,230)
- Organic growth, 22% (-20.0)

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- Operating profit 4,754 million SEK (1,508)
- Operating margin 20.3% (7.5)
- Adjusted operating profit 4,469 million SEK (2,837)
- Adjusted operating margin 19.1% (14.0)
- Adjusted profit after net financial items 4,372 million SEK (2,858)
- Profit for the period 3,514 million SEK (1,098)
- Adjusted profit for the period 3,374 million SEK (2,165)
- Earnings per share, diluted 2.80 SEK (0.88)
- Adjusted earnings per share, diluted 2.69 SEK (1.73)
- Free operating cash flow 3,088 million SEK (2,531)

Additional information may be obtained from Sandvik Investor Relations, phone +46 70 782 63 74 (Louise Tjeder) or phone +46 79 060 87 17 (Emelie Alm).

A webcast and conference call will be held on July 16 2021 at 1:00 PM CEST. Information is available at home.sandvik/investors

Stratasys Conference Call to Discuss Second Quarter 2021 Financial Results

19 July 2021

stratasys Ltd. will release financial results for the second quarter ended June 30, 2021 on Thursday, August 5, 2021. The Company plans to hold the conference call to discuss its second quarter 2021 financial results on Thursday, August 5, 2021 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://78449.themediaframe.com/dataconf/productusers/ssys/mediaframe/46027/index1.html>

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.

Implementation Investments

Atos delivers Next-Generation Employee Experience for EY

22 July 2021

Atos announces that it will provide a **Next-Generation Global Employee Experience** to EY, one of the largest global professional services organizations. The 7+ year contract will see Atos personalize and improve the IT experience for more than 300,000 EY people through its **Proactive Experience Center**, a team of dedicated experts, supported by advanced tooling and processes, driving towards the highest levels of proactive, pre-emptive and automated employee experience seen in the sector to date. This new contract reinforces Atos' position as a leading enabler in the new frontier of work and employee experience.

The evolution to a 'Next-Generation' employee experience is a growth area in the marketplace, driven by new frictionless work styles and the new generation of digitally-savvy employees that expect the

same level of digital flexibility at work wherever they are.

Proactive Experience Center

Atos' **Proactive Experience Center** is designed to intelligently support all employee needs by offering an integrated omni-channel experience with personalised and contextualised support. Employees will be able to easily access self-help and virtual assistance through automated and self-learning AI chatbots. Critically, support will be tailored to employees' individual needs and preferences, using sentiment analysis to ensure the best possible experience is received. As a result of this employees will experience less disruption to their Digital services, with most of the requests being fulfilled automatically and immediately.

A dedicated team of data scientists, sentiment and journey analysts, as well as experts in multiple areas such as AI, knowledge, organizational change management, digital adoption, and employee engagement, will work together in real-time to react to sentiment feedback and enhance the employee experience. Atos' data analysts will monitor and understand trends over time to consistently improve the overall service experience, and to identify, address and ultimately reduce call volume.

"Each day, 300,000 EY people are supporting businesses and governments to help solve their toughest challenges as part of the EY purpose to build a better working world. We are focused on providing EY people with innovative tools, like these from Atos to help them in providing exceptional services to clients," said **Steve Krouskos, EY Global Managing Partner – Business Enablement**. *"We are looking forward to deploying this agile and responsive solution, using transformational initiatives and new-generation technologies, so we can drive improved client and people experiences."*

"We are excited about supporting EY to make the change to a highly personalized, proactive and automated 'care' model, which puts EY people at the center, demonstrating once again our leadership position in the new frontier of work and engaged employee experience." said **Elie Girard, CEO at Atos**.

Leveraging its recognized expertise in **Digital Workplace Services**[1], and as part of its **Engaged Employee Experience**[2] initiative, Atos will provide a Next-Generation global Service for EY people across more than 150 countries. This will offer an anywhere, anytime care experience from any device, to provide a more efficient service to employees while enabling increased productivity.

CHIUSHUI Transforms Product Development with Centric PLM

20 July 2021

CHIUSHUI, the women's clothing brand, has selected Centric Software's Product Lifecycle Management (PLM) solution for emerging enterprises, Centric SMB. Centric Software provides the most innovative enterprise solutions to plan, design, develop, source and sell products such as apparel, footwear, sporting goods, furniture, home décor, cosmetics, food & beverage and luxury to achieve strategic and operational digital transformation goals.

CHIUSHUI is the flagship brand of View Industrial, a leading women's apparel company in Zhejiang. View Industrial integrates design, production and sales across three mid to high-end brands: CHIUSHUI, COCOON and FAIRY.

E-commerce has gained momentum for CHIUSHUI and the brand now manages over 5,000 SKUs. However, CHIUSHUI's technical, design, production and materials planning departments encountered challenges in sharing information and lacked a standardized system to manage production processes, materials and styles.

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CHIUSHUI urgently needed to establish a collaborative platform that would integrate its database with other business systems in order to guarantee rapid supply chain responses, control product development and synchronize data.

CHIUSHUI selected Centric SMB, the SaaS PLM solution for emerging brands. With Centric SMB, CHIUSHUI expects to shorten product development and production cycle times for a faster market response, reduce product management costs, cut resource waste, improve information sharing, increase on-time delivery rates and build a standardized system for future R&D.

“We expect to share information through PLM to avoid repetitive work and help the company to become more professional,” says the PLM Project Manager at CHIUSHUI.

The project’s primary goals are to enhance transparency, collaboration, standardization, efficiency and rapid progress through responsive management.

“The Centric Team makes the whole process transparent and reassures everyone. We believe the Centric PLM will play a decisive role in achieving business goals and our users to embrace it,” concludes Ms. Chen Min, General Manager at CHIUSHUI.

“We are happy to announce that CHIUSHUI has chosen to partner with us,” says Chris Groves, President and CEO of Centric Software. “CHIUSHUI’s e-commerce business is in an energetic phase of rapid development and we look forward to creating a solid digital foundation for their future growth.”

Infosys Public Services Launches Blockchain Network to Modernize Public Recordkeeping for County of Riverside in California

20 July 2021

Infosys Public Services (IPS), a US-based subsidiary of Infosys, completed the pilot of a blockchain solution designed to improve the efficiency, access and security of vital recordkeeping in Riverside County, California’s fourth largest county and the 10th largest in the U.S. The blockchain network enables county employees to manage data effectively and securely, while easing access and lowering cost of operations.

“Blockchain technology presents a new opportunity for governments to advance their digital agenda and leapfrog into the next era of secure, citizen-centered services,” said **Eric Paternoster, CEO, IPS**. “We are excited about this project with Riverside County Assessor-County Clerk-Recorder Office and appreciate the opportunity to demonstrate how blockchain can enable the county to become more digital, connected, and secure.”

The pilot blockchain network, developed in collaboration with Amazon Web Services, Inc. (AWS) using Amazon Managed Blockchain, modernizes the once paper-centric operations of the Riverside County Assessor-County Clerk-Recorder Office. The introduction of blockchain technology enables the Office to store, recreate, and retrieve verifiable digital records, reducing the need for physical storage. The solution will also provide citizens more timely and accurate access to their records.

“As Riverside County’s Assessor-County Clerk-Recorder, our goal is to provide recordkeeping, record issuance, and property valuation in a timely, secure, and cost-effective manner,” said **Peter Aldana, Assessor-County Clerk-Recorder at County of Riverside**. “Adoption of blockchain technology will greatly advance our digital transformation journey towards our goal.”

Riverside County currently spends approximately \$500k annually to store official records physically to ensure compliance with records retention laws and regulations, a cost incurred by most local governments. With physical storage, however, access, research, and audit of records for retention

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compliance become time consuming and costly. Blockchain technology offers the ability to reduce costs associated with physical storage of the official records. In addition, Riverside County Assessor-County Clerk-Recorder Office issues between 58,000 to 90,000 vital records to citizens of the County annually. Currently all vital records requests are fulfilled through issuing of physical paper certificates. Adoption of Blockchain technology will allow governments to help citizens obtain digital vital records securely within minutes and achieve higher efficiency within the office operations. IPS and AWS will continue to work with the County to assess how blockchain technology can benefit more departments and processes, increase effectiveness of public services, while minimizing cost of operations.

MAGNA BLUE SKY USES OPENDXM GLOBALX TO EXCHANGE DATA

21 July 2021

PROSTEP, a PLM consulting and software company, is expanding its customer base in China with vehicle manufacturer Magna Blue Sky. The joint venture between Magna and Beijing Electric Vehicle (BJEV), the electric car subsidiary of the Chinese carmaker BAIC develops intelligent next-generation electric vehicles for the Chinese market. Magna Blue Sky uses PROSTEP's OpenDXM GlobalX solution in combination with the PLM solution Teamcenter to exchange data with partners and suppliers securely.

Approximately two years ago, Magna and BJEV announced that they would be jointly developing and manufacturing high-quality electric vehicles for the Chinese market. The joint venture set up a greenfield state-of-the-art development center in Zhenjiang for this purpose. It operates under the name Magna Blue Sky NEV Technology (Zhenjiang) and employs about 420 people, who do not only develop electric vehicle architectures for the joint venture but also provide engineering services to other customers. The Magna Steyr Group, which is headquartered in Graz, was responsible for implementing the completely new IT infrastructure.

Working in close cooperation with the IT experts in Graz, PROSTEP's PLM experts implemented the data exchange platform in Zhenjiang, defined appropriate templates for integrating exchange partners and adapted the data exchange processes and authorizations to Magna Blue Sky's specific requirements. A complex approval workflow was implemented to ensure maximum protection of intellectual property. It ensures that all exchange processes are approved in accordance with the multiple-eyes principle before the data is made available to partners and suppliers for downloading.

The OpenDXM GlobalX Teamcenter integration allows engineers at Magna Blue Sky to initiate data exchange processes directly from the Teamcenter user interface. "This makes it easy to use and saves time when sending data since the export of data from Teamcenter runs completely in the background. Users don't have to wait when larger assemblies are being exported," says Udo Hering, head of Product Management at PROSTEP. They also have the option of making data from MS Outlook or Windows Explorer available for encrypted exchange with OpenDXM GlobalX.

McLeod Health to Roll Out Tecsys' End-to-End Supply Chain Execution Solution Across Hospital System

14 July 2021

Tecsys Inc., an industry-leading supply chain management software company, is pleased to announce that McLeod Health will implement Tecsys' SaaS-based Elite™ Healthcare supply chain execution platform across its entire hospital system to automate and optimize hospital inventory and replenishment management in point-of-use clinical areas including ORs and catheterization labs. This Tecsys solution

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will complement the health system's existing Consolidated Service Center already running Tecsys software.

Based in South Carolina, McLeod Health is a locally owned, not-for-profit healthcare system comprised of seven hospitals and multiple outpatient facilities, extending from the Midlands to the Coast along the border of North and South Carolina. McLeod Health has important strategic goals that hinge on data to make decisions. Through this investment, McLeod Health will be able to leverage end-to-end supply chain data to streamline supply chain operations from planning and receiving through to consumption and replenishment, creating a flexible ecosystem that can grow and expand with the organization.

“We have realized significant savings from our Consolidated Service Center by optimizing back-office operations, and we look forward to extending those Tecsys benefits further into our hospital network to build on these successes,” says Carmen Winfield, vice president of Procurement Service for McLeod Health. “With Tecsys across our clinical areas, our organization will have access to more accurate usage data and analytics. This helps us be more efficient and better positioned to make strategic supply chain decisions that maintain our standards of excellence while optimizing inventory availability and controlling costs.”

The Tecsys solution will be deployed across all hospital sites to automate supply consumption capture, optimize intra-network logistics and streamline case management. This supply chain transformation project improves business intelligence for benchmarking cost-per-procedure and product utilization variance, more efficient case consumption documentation with automated track and trace for regulatory compliance, and more reliable inventory availability through usage of intelligent RFID inventory management. Nursing and procedural areas (operating rooms, catheterization labs and interventional radiology rooms) will be outfitted with technology designed for clinically integrated workflows in each area; these technologies include a combination of enabling software, RFID and barcode technology, mobile devices and embedded UIs. This comprehensive rollout will provide exceptional visibility across the health system while eliminating manual redundancies often shouldered by clinical personnel.

“The healthcare supply chain is an often-underleveraged area for both revenue capture and cost containment, and McLeod Health has made very savvy supply chain investments to address both sides of that equation while staying sharply focused on patients and quality outcomes,” says Bill King, chief revenue officer at Tecsys. “Tecsys brings centralized and comprehensive control to the healthcare supply chain, and we are delighted that McLeod Health has chosen our team to deliver on that promise.”

Rebel Hospitality Chooses Infor Hospitality to Deliver Great Guest Experiences

21 July 2021

Infor, the industry cloud company, announced that Rebel Hospitality, a rapidly-growing hospitality management company that specializes in independent and lifestyle hotel properties, has selected Infor Hospitality to provide hospitality management solutions for its growing property base. Specifically, by working with Infor, Rebel Hospitality has access to agile cloud-based tools that help it better serve guests and achieve competitive positioning in an evolving industry. Infor will provide New York-based Rebel Hospitality with easy access to valuable incoming data that can quickly be turned into action. By being able to operate on one system for all guest and hotel data, Rebel teams can stay on top of all the little details that enable a great guest experience.

“Our team is dedicated to provide uncommon, unforgettable experiences to our guests. With Rebel's unique management platform and comprehensive technology platform, we are able to ensure that every guest touchpoint – from booking through to the end of their stay – is dynamic, intuitive, and

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memorable,” said Craig Franco, Rebel Hospitality vice president of revenue & distribution. “By partnering with Infor, we are able to streamline our administrative efficiencies so that our staff can focus on creating these unique interactions with guests.”

Infor HMS is a specialized, multi-departmental property management platform for the hospitality industry that integrates front-office and on-property technology to better manage room availability, dynamic pricing, and guest profiles to boost profitability and maintain a competitive edge. The suite of solutions has the ability to unify multiple hotel functions into a single application, allowing hotels to consolidate information on the performance of multiple properties, create customized reports and ultimately make better forecasts and business decisions. Properties in the Rebel Hospitality portfolio will be able to better track guest preferences, simplify reservations and provide consistent quality and services.

“The current state of travel is very different than many hoteliers are used to – adopting to ever-changing guest needs, creating no-contact stay experiences, and the need for in-depth analysis of how a property is doing, at any given time, for forecasting, marketing, and even staffing,” said Jason Floyd, Infor Hospitality general manager. “Infor’s hospitality-specific solutions are helping leading hoteliers, such as Rebel Hospitality, maximize revenue potential, streamline operations and build a better guest experience.”

ReNew Power Selects Dassault Systèmes’ 3DEXPERIENCE Platform to Deliver Cleaner, Smarter Energy in India

20 July 2021

Dassault Systèmes announced that ReNew Power, India’s leading renewable energy company, has chosen the 3DEXPERIENCE platform to manage its solar, wind and hybrid engineering, procurement and construction projects. ReNew Power will be able to quickly act on insights and ensure best-in-class project delivery to support the use of cleaner and smarter energy in India.

ReNew Power will use the “Capital Facilities Information Excellence” industry solution experience based on the 3DEXPERIENCE platform for digital project management. In a collaborative virtual environment providing a single source of the latest project data, stakeholders can track, execute and manage the progress of multiple projects at the same time on a single platform. Using powerful analytics capabilities related to costs, schedule, quality, health and safety, stakeholders can proactively manage risks and opportunities, through this platform.

As India explores ways to meet the rising energy needs of more than one billion people through clean sources of energy while reducing its carbon emissions, ReNew Power is committed to lead the country’s transition away from fossil fuels and meet this demand sustainably.

“We were looking for a secure, scalable solution to manage the performance of projects and further our ambition to deliver sustainable solutions that can reduce India’s carbon footprint,” said Balram Mehta, COO, ReNew Power. “Dassault Systèmes’ 3DEXPERIENCE platform is expected to provide us with centralized project execution and monitoring data, personalized dashboards, progress graphs, timely insights and intuitive reports to improve our productivity.”

“Faced with global competition and a growing focus on sustainability, companies looking to innovate faster or diversify their portfolios into new business areas need a new approach to develop, plan, build, operate and decommission projects differently,” said Thomas Grand, Vice President, Energy & Materials Industry, Dassault Systèmes. “Dassault Systèmes supports its renewable energy customers in their sustainable development. The 3DEXPERIENCE platform offers an inclusive, data-driven

approach that enables real-time collaboration, improves execution and accelerates innovation. Companies like ReNew Power can deliver complex projects with transparency, accuracy and timeliness.”

Santander UK and Infosys Finacle Launch New International Cash Management Platform

21 July 2021

Infosys Finacle, part of EdgeVerve Systems, a wholly-owned subsidiary of Infosys and Santander UK, today announced the roll out of Santander UK's international cash management platform as part of the bank's ongoing digital transformation programme.

Santander Global Connect, is a brand-new cash management platform designed to support the international growth plans for Santander's corporate and commercial customers. The first release of the platform, which is currently in pilot, provides customers with access to view liquidity held globally. Subsequent releases will enable self-service digital capabilities to manage, control, and mitigate cash and business risk, all from a single portal. Client feedback will form a critical part of future enhancements, to ensure the global cash management platform meets and exceeds client requirements.

Highlights of the first release:

- Santander Global Connect will be powered by the Finacle Cash Management Suite that includes the Finacle Digital Engagement Hub, Finacle Online Banking, Finacle Payments and Finacle Liquidity Management solutions.
- Key capabilities of the new platform will include:
 - A centralised multi-bank information portal with a consolidated view of cash positions
 - Account and transaction level reporting for both domestic and international activities
 - Country level visibility of foreign currency accounts held, and banks used by customers

John Carroll, Head of International and Transactional Banking, Santander UK, said, "This new platform will allow us to support UK businesses of all sizes to seamlessly manage their international transaction and cash management banking needs. It will also help us to develop and grow relationships with existing customers and support the international growth needs of new customers. There has never been a more important and exciting time for businesses to consider international expansion. By collaborating with Finacle, we're able to offer our customers a crucial tool to support both them and our own international banking strategy now and in the future.”

Sanat Rao, Chief Business Officer & Global Head, Infosys Finacle, said, "With the increased volatility and complexity of the global business environment, corporate treasurers need to monitor and manage their liquidity positions and working capital in real-time. We are excited to extend our partnership with Santander UK to enable this for their corporate and commercial banking customers. The new platform will power innovative global cash and liquidity management services, along with much-needed flexibility, openness, and self-serve capabilities."

SBB with DXC Technology Improves Passenger Access to Travel Delay Refunds

20 July 2021

DXC Technology and the Swiss Federal Railways (SBB) have successfully implemented a customer service management platform across Switzerland to improve the process by which customers receive

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refunds for travel delays. DXC leveraged its Enterprise Technology Stack capabilities and expertise in ServiceNow applications and analytics to create with SBB an efficient, secure and reliable platform serving some 1.3 million train passengers. The solution also helps Swiss public, rail and bus transportation companies to comply with the national and European passenger laws.

After Switzerland adopted new national legislation for greater protection of passenger rights, starting in January 2021, all Swiss public transport companies were required to start compensating passengers for disrupted journeys. This includes train, bus, ferry and aerial tramway connections. SBB was assigned by the Swiss Federal Office of Transport to build and operate a platform that enables secure and easy refunds, which will be used by over 250 transportation companies in the country.

Drawing on their successful, long-standing collaboration, SBB selected DXC as a partner of choice in this new challenge. The two companies collaborated to use innovative technology to develop an efficient, safe and practical solution, both for passengers and the transportation companies.

DXC, which provides ServiceNow platform solutions for SBB, built a completely new customer service management solution, modernizing the existing platform by developing a fully automated, cloud-based portal. The automated portal has end-to-end integration with back office, travel and accounting teams, integrated third-party timetables, and automated ticket checks. There are also additional analytics and intelligence capabilities for enhanced checks to verify claims and protect against fraudulent actions.

With this smart and easy-to-use portal, SBB is optimizing both their operations and the passenger experience. Passengers can claim refunds for travel delays through a fully digital process which is much faster, and accessible anytime, anywhere. The high-level of automation has simplified and enabled more efficient data processing, with up to 80 percent of claims accepted or rejected automatically by the system, reducing lengthy waiting times at the physical SBB booths and errors in refund payments.

“DXC has worked closely with SBB to deliver a highly-automated portal for wide, public service use that will enable all public transportation companies to take better care of their passengers and customers,” said Gudrun Heim, managing director, DXC Technology, Switzerland. “Our team has once again demonstrated how we deliver excellence for our customers developing and delivering digital business solutions to support their customer’s needs using our capabilities across the Enterprise Technology Stack. The portal is easy-to-use and services both passengers and transportation companies in Switzerland.”

SeABank Successfully Modernizes Its Finance Operations and Services with Oracle

22 July 2021

Southeast Asia Commercial Joint Stock Bank (SeABank), one of the top 10 private sector banks in Vietnam, has transformed its business with products from the Oracle Financial Services Performance and Balance Sheet Management Suite, SeABank has successfully implemented applications which include Funds Transfer Pricing (FTP), Profitability Management, and Asset Liability Management (ALM). SeABank began its work with Oracle in 2018 as a first step along its incremental journey to improve. With each milestone, the bank pursued additional implementations that leverage the power of our single integrated platform. Most recently, the bank has selected Oracle’s integrated finance and risk data model to help SeABank meet International Financial Standard 9 (IFRS 9) requirements for the classification of financial assets and liabilities by the January 2023 deadline.

In 2021, the State Bank of Vietnam ranked SeABank amongst 17 important banks in the system of Vietnamese credit institutions. With 180 transaction points in 29 provinces and—a robust digital strategy—SeABank aims to be the market leader in retail banking and quality customer service, and is

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one of the first banks in Vietnam to adopt Oracle's world-class products.

SeABank has received many awards including: Second-class labor Medal of the State President, Certificate of Merit from the Prime Minister, Vietnam Value 2020, Top 15 strongest banks in Vietnam, Top 500 largest and strongest banks in Asia - Pacific (The Asian Banker), Emulation Flag of the Government, Vietnam National Brand 2020, Top 50 best profitable enterprises in Vietnam in 2020, Best Customer Service Bank in Vietnam 2020, Excellent Digital Transformation Business, and Top 30 Asia enterprises applying Best Technology 2020, to name a few.

“SeABank is committed to delivering superior customer experiences,” said Deputy General Director and Chief Financial Officer SeABank, Ms. Nguyen Thi Thu Huong. “Oracle's technologies have become essential for the entire CFO office. We identified technology as a key factor in the modernisation of our banking operations alongside our commitment to provide customers complete transparency. Oracle has helped to enable us to pursue this goal with a single integrated-solution approach that provides a 360-degree view of our customer, enabling the finance function to make data-driven real-time decisions across our business.”

SeABank took a multi-phased approach in its modernization effort to support effective governance and provide transparency for its customers. SeABank first implemented Oracle's FTP services, then moved on to incorporate ALM, and now IFRS 9. Oracle's single data model and platform reuse data into multiple use cases, which has helped to reduce overall implementation time, costs, and project risks, and minimize the storage of redundant data. They are able to source the data once but use it many times.

“With Oracle's leading technology now an integral part of the banking process, key critical account, product, and customer profitability analysis is now done in hours instead of days”, added Ms. Nguyen Thi Thu Huong.

“SeABank truly recognizes the value of Oracle's integrated offering, from its Funds Transfer Pricing initiative to its recent extension for Asset Liability Management and now our accounting products, we are helping SeABank leverage the power of our single integrated platform to meet their growing business needs,” said Venkatesh Srinivasan, group vice president JaPAC and MEA, Oracle Financial Services.

Oracle has helped to change SeABank's customer experiences. One of the most typical applications of SeABank is SeAMobile digital banking, a personal financial assistant that stands out against others in the market due to its use of artificial intelligence. This “virtual assistant” gives customers a view of their financial health and divides transactions into six financial funds: essential needs, education, enjoyment, financial freedom, long-term savings, and charity.

Also, customers can now easily open a remote online account through the electronic customer identification tool without having to go to the bank, make money transfers free of charge, plus, enjoy a 0.3 percent interest rate per year when they open a savings account online. SeAMobile Digital Banking has been available on all computer platforms and mobile devices with fast transaction processing speed, making it easy for customers to pay essential bills and make purchases—conveniently, safely, anywhere and anytime.

Product News

Ansys 2021 R2 Accelerates Engineering Exploration, Collaboration and Automation

21 July 2021

Improvements in Ansys 2021 R2 products provide the power to explore early stage product design and complex system engineering from the nanometer scale of chip design to the mission level of aerospace and defense operating environments. Ansys' industry-leading simulation solutions provide an open approach that streamlines engineering via simplified workflows, integrated data management and easy access to high-performance computing (HPC) power via the cloud.

Engineering exploration via simulation is virtually risk free because engineers are no longer bound to an expensive and time-consuming prototype-test-redesign cycle. New design ideas can be virtually evaluated in hours, not weeks, freeing up time to optimize the best design candidates or develop moonshot ideas that redefine markets. With access to nearly limitless computing via Ansys Cloud, engineers who use Ansys 2021 R2 products have the speed and flexibility to ask the “what-if” questions that lead to innovations in autonomous vehicles, chip design, mission-critical connectivity solutions and more sustainable travel via lightweight materials and electrification.

Speed improvements are woven throughout the latest Ansys products.

- Productivity enhancements allow engineers to perform optical simulation meshing up to 20X faster and local meshing up to 100X faster.
- Ansys Mechanical 2021 R2 streamlines cyclic modal and structural analyses using a new multistage cyclic symmetry capability that can ultimately decrease run times by up to 50X when compared against a full 360 degree solve.
- In semiconductors, 2021 R2 provides 3nm-ready Advanced Power Analytics (APA) and improves voltage-drop fixing efficiency by 3X, using aggressor identification, what-if analysis and links to engineering change order (ECO) tools.
- Using the cloud for semiconductor simulation delivers at least 4X better cost and core-hour efficiency with Ansys 2021 R2.
- In fluids, Ansys 2021 R2 provides up to a 5X speed increase for high-speed flows to Mach 30 and above, with improved treatment of reaction sources in the density-based solver.
- Simplified, reduced-order workflows throughout Ansys 2021 R2 provide quick answers to product design and development problems, allowing engineers to concentrate computing power on the best design candidates.
- The new Phi Plus mesher meets 3D integrated circuit package challenges by accelerating initial meshing for bondwire package electromagnetics and signal integrity analysis by an average of 6-10x.

“Because of the speed of Ansys HFSS and its ability to solve multiple simulation challenges in different domains, we were able to analyze performance and make design changes more quickly and with better data,” said Doug Stetson, CEO of FreeFall Aerospace. “We were able to build complete models in HFSS which allows us to move directly into the prototyping stage with confidence. Meeting our customer requirements with accuracy and speed is our priority and Ansys HFSS makes that possible.”

In addition to directly speeding up simulation, Ansys 2021 R2 enables engineers to work more efficiently via an open platform that integrates multiple toolsets. For example, Ansys Mechanical users

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can embed Python programming language scripts directly into their models to automate the flow using industry standard open-source coding.

Automation and collaboration are recurring themes in Ansys 2021 R2 because updates enable teams to efficiently work in an ecosystem that connects early design, simulation, system integration and manufacturing. Many products in the new release incorporate single-click, automated integrations that enable users to leverage additional technology to broaden their scope of simulation. Product and process integration also allows a smooth transfer of data between applications, which increases usability and productivity. For instance, Ansys 2021 R2 delivers new Chip-Package-System (CPS) and printed circuit board (PCB) enhanced workflows with automation for IC-on-Package and Multi-Zone PCBs with rigid flex cables, which are popular in modern electronic devices.

"Ansys is a proven leader in simulating mechanical, electromechanical, thermal and radio frequency transmission to predict undesirable multiphysics interactions – noise, vibration, physical interferences, electromagnetic interferences and material fatigue – all leading causes of product failures," said Craig Brown, executive consultant at CIMdata. "Ansys provides essential expertise across the scale of tomorrow's cyber-physical products, understanding silicon engineering workflows as well as system engineering workflows and everything in between to create an innovative and profitable electronics systems product."

Data visibility and reuse via dashboards and dedicated libraries further increase the efficiency of engineers using Ansys 2021 R2. Libraries for common digital twin components, electronic components and materials enable engineers to quickly access trusted data. For example, materials management updates enable customers using restricted substances to access the latest Supplier Data Sheets (SDSs), ensuring products are compliant with global regulations.

Compliance, certifications and standards are addressed in many updated products. Ansys 2021 R2 is now a one-stop-shop for embedded software certification across all industries, including the highest safety integrity/assurance levels of DO-178C, ISO 26262, IEC 61508, and EN 50128 standards.

"Simulation is not just about solving advanced multiphysics design problems to us," said Shane Emswiler, senior vice president of products at Ansys. "It includes considering the entire product workflow and function necessary to enable our customers' success. From automotive to industrial to aerospace and advanced electronics, Ansys is the leading provider of mission-critical integrated solutions that help customers build their products and systems for success."

BETA CAE Systems announces the release of SPDRM v1.6.0

21 July 2021

BETA CAE Systems announces the release of SPDRM v1.6.0.

SPDRM v1.6.0 is now available, with numerous important enhancements in both the back-end and in the SPDRM client.

The new version paves the way for more efficient simulation process data resources management. In addition to the introduction of the support of Python (3.8.1) as an alternative to the Jython scripting language, several developments have taken place to enrich the direct interfacing of SPDRM with all BETA suite software products.

Now, the build-in lifecycle management introduced functionality will control the evolution of your DM objects, while among the other new developments, the redesign of the file transfer mechanism will greatly improve the performance of file transfers.

Datakit presents tools for reading the SMG format

21 July 2021

The French specialist in data transfer between CAD systems completes its offer with tools for reading files in SMG format. This is widely used for creating technical documentation from CAD files, especially in CATIA and SOLIDWORKS offers.

The French publisher **Datakit**, a specialist in tools for exchanging data between CAD systems, is adding tools for reading files in SMG format, which is widely used in the field of technical documentation, to its range.

The **SMG** (.smg) format was popularized at the end of the 2000s, thanks to **3DVia Composer** from **Dassault Systèmes**, but it was born in 2002 in the French start-up **Seemage**, created by **James Dugalais** of the **Claude Bernard University** in Lyon and **Eric Piccuez**, who was technical director of several CAD editors (**Apilog, Graitec, Robobat...**).

A convenient format for viewing large assemblies

This start-up, based in Sophia Antipolis, developed **Viz**, a file visualization tool for which we did not have the author's license, **Mockup** to intuitively handle large CAD assemblies, then **Seemage Presenter** to present large projects. All were based on a proprietary file format using XML standards, which allowed it to recover most of the current formats of the time (**CATIA; Pro/Engineer; Inventor; SOLIDWORKS; UG NX; Parasolid; JT, ACIS; STEP; IGES; VDA/FS...**). The objective is to recover 3D digital models and combine them with other data to, for example, create technical documentation or educational content, thanks to the manipulation possibilities offered.

This format used tessellated patterns providing precision to 6 significant digits, but allowing compression up to 300 times, which made it easier to handle large files smoothly. Major manufacturers such as **Alactel Alenia Space, Faurecia, Messier Dowty, PSA, Snecma, Thales...** were among Seemage's customers to visualize projects reaching 50,000 pieces!

Popularization thanks to Dassault Systèmes

After starting a partnership with Seemage in the summer of 2007, Dassault Systèmes ended up acquiring Seemage in October 2007. Seemage's technology was then included in **3DVia Composer**, then in **CATIA Composer** and **SOLIDWORKS Composer**, the technical documentation tools for leading Dassault Systèmes software.

*“This format transforms a 3D CAD file into tessellated surfaces facilitating rendering,” explains **Frédéric Martinez**, in charge of developing these tools at Datakit. “It is widely used by software from Dassault Systèmes, CATIA and SOLIDWORKS, to create 3D illustrations which will, for example, be used in technical manuals. This is even easier as the author of the original SMG file can add relative movements between the different parts of an assembly, to create exploded views showing, for example, disassembly operations for maintenance. »*

In fact, Datakit's new tools retrieve in SMG format the various views of a 3D assembly created by the author, all the constituent parts in 3D, their realistic renderings and their relative positions (placement matrices), as well as the position of the camera. Then they generate a different file for each view in the desired format.

“The development of this library has not been the subject of major difficulties. Thanks to the experience we have, we have been able to understand the semantics and find out where and how the geometry is stored in this format, as well as the textures which are encapsulated in the file as JPEG or BMP images. »

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For the moment, the geometry and the textures are recovered, other data, such as annotations and tables, will enrich the library as it is improved.

The libraries for developers, a converter for users

These reading tools in the SMG format, from version 3.6 to 7.8, have been available since April for software vendors in the **CrossCad/Ware** SDK, so that they can integrate Datakit's technology into their own application. These libraries provide a fully documented programming interface (API) to enable interoperability between CAD systems. The editors will thus be able to read and modify .smg files in their software (moving or deleting parts, changing colors or textures, etc.), because they have the entire tree structure of the assemblies available.

The users of **CrossManager**, Datakit's all-in-one conversion solution, can convert .smg files to a dozen other faceted formats (3DXML; 3MF; CGR; COLLADA; glTF; JT; OBJ; PDF 3D ; PRC; STEP; STL and VRML).

The advantage of these new tools is therefore to allow editors and users of software other than CATIA or SOLIDWORKS, to retrieve 3D views of assemblies in SMG format, in order to use them in their own software to create technical documentation or educational content. Note also the possibility of converting them to 3D PDF format, a widely distributed format that can be viewed by anyone without specific tools.

DeSL Launches Specialised PLM & PO Platform to Deliver Digital Transformation in 30 Days

21 July 2021

DeSL announces the delivery of a specialized platform for companies operating in the retail, fashion, apparel and footwear sectors. This new functionality allows DeSL customers to efficiently digitalize all their core processes from product development right through to delivery of finished products. Speed to market, vendor collaboration, product costing, quality and sustainability, are all core pillars of the solution.

The platform combines DeSL's Product Lifecycle Management (PLM) and PO solutions, and comes with pre-configured business processes which are especially suited to SMB's. It can also be tailored to suit specific needs, along with a suite of integration methods for popular ERP, finance, and e-commerce platforms.

“Over recent months we have seen a marked increase in the number of companies who realize that PLM alone is just not enough to satisfy their digital transformation requirements.” Colin Marks, DeSL's CEO, remarks *“DeSL is the only company that can provide a combined best of breed solution which covers all aspects of the product design, development, and procurement processes.”*

Integrating PO management into DeSL's core PLM platform automates and simplifies the supply chain, giving companies visibility of purchase orders and tech packs at the same time. Each step is tracked along the critical path, eliminating unknowns and granting brands and vendors understanding of how their deliverables and deadlines are progressing in one place. Combined with DeSL's powerful PLM features, this solution streamlines procurement and accelerates product development while improving communication and agility throughout the supply chain.

IronCAD Introduces SYNERGY Platform

21 July 2021

IronCAD introduces SYNERGY Platform, a powerful new cloud-based collaboration platform from the leader in design productivity of 3D CAD solutions. The IronCAD SYNERGY Platform creates a newfound synergy between design and sales teams to store, configure, share, manage, and view design data with team members and external clients, all in one place.

The SYNERGY Platform enables organizations to stay competitive and seek new levels of collaboration and agility. When it comes to collaboration and data management, the IronCAD SYNERGY Platform was made to improve the way teams work, design, and collaborate. It supports remote working and collaboration environments efficiently.

With the SYNERGY Platform, users have access to SYNERGY Vault, a secure cloud-based data vault. Users are able to manage, version, release, and view IronCAD files, as well as manage other file types all within a secure cloud-based vault.

Each company account of the Synergy Platform will have up to 10GB of free data storage space per company. Additionally, sales teams, customers, and suppliers may configure products and communicate design concepts and changes on the cloud with the SYNERGY Configurator. Users can share configurations with the design team to make edits and to seamlessly convert data to production designs with IronCAD products to speed up the design-to-order process.

“Introducing Synergy Platform affirms IronCAD’s commitment to our customers in improving their sales, design process, and collaboration experience in remote working environments,” stated Dr. Tao-Yan Han, President of IronCAD. “Synergy Platform was designed to give customers an easy-to-use platform that can expand as the needs of our customers grow.” he continued.

IronCAD’s new powerful cloud-based collaboration platform enables organizations to streamline workflows and extend their sales-design-manufacturing ecosystem from the desktop to the cloud with seamless connection to the SYNERGY platform.

ModuleWorks and Rafinex Synchronize Toolpath Planning and Topology Optimization

19 July 2021

Rafinex, developer of advanced numerical optimization software solutions, and ModuleWorks, developer of CAD/CAM software components, have integrated ModuleWorks toolpath calculation technology with the Rafinex software algorithm suite. In effective synchronization, topology optimization and toolpath planning enable more effective design-to-manufacture processes. This eliminates late change requests, avoids machining and robotic problems during the design phase and reduces engineering and manufacturing costs in subsequent processes.

Rafinex stochastic topology optimization anticipates real-life variability in material loads and material properties to help engineers design robust, reliable parts for high-performance applications in the aerospace and automotive industries, among others. The toolpath algorithms automatically calculate the optimal, material-independent toolpaths for different additive and subtractive processes (including robotic applications) which means manufacturing feasibility is analysed already during design optimization.

"The accurate, effective and results-oriented approach of Rafinex is reflected in their projects and products. By combining ModuleWorks toolpath technology and Rafinex advanced optimization

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algorithms, we have significantly accelerated machine- and robot-based production processes."

Lothar Glasmacher, Head of Additive & Process Technologies at ModuleWorks

In the next stage of their cooperation, ModuleWorks and Rafinex are incorporating inverse kinematics to calculate an optimal continuous toolpath for each component.

"Leveraging ModuleWorks' toolpath planning in combination with our topology modelling software enables our customers to go a decisive step further and equally anticipate machining constraints and targeted cycle times when designing the optimal robust component."

André Wilmes, CEO at Rafinex

Thanks to this synchronized workflow, engineers can immediately identify design features that are too difficult or impractical to manufacture for any given production process and adjust the design accordingly. Spotting potential show-stoppers at this early stage saves considerable costs and speeds up both prototype and series production.

New Centric Software PLM Release Drives Complete Consumer Product Experience

22 July 2021

Centric Software is proud to announce that the latest release of its flagship Product Lifecycle Management (PLM) solution, Centric 8 PLM version 7.3, is now available. Centric Software provides the most innovative enterprise solutions to plan, design, develop, source and sell products such as apparel, footwear, luxury, sporting goods, furniture, home décor, cosmetics & personal care and food & beverage to achieve strategic and operational digital transformation goals.

Responding to the challenges of the fashion, retail and outdoor industries, this latest release of Centric PLM™ debuts three new modules focusing on Product Change Tracking & Management; Product Packaging; and Product Presentations as well as enhancements to existing inspection, project management and 3D capabilities.

"Our customers increasingly need to deliver unique product experiences for consumers that encompass everything from the aesthetics and type of packaging the product arrives in when ordered online to the sustainability credentials of materials and components," says Ron Watson, VP of Product at Centric Software. "Many customers also want to manage a wide variety of different products in PLM and wish to offer creatively themed packages, such as a complete outfit with accessories, a sports kit plus gear or even a gift basket assortment including hard or soft goods."

"This release brings even more elements of product development and go-to-market into the Centric PLM ecosystem and offers powerful flexibility and control. Teams can conceptualize almost every aspect of the holistic end-to-end product experience, from quality assurance to 3D packaging design, product presentations to buyers and other teams as well as insights into product changes, without having to leave Centric PLM. Ultimately, it empowers companies to ideate, execute and enrich the end-consumer's full product experience."

For companies that follow a project-based rather than seasonal approach, a new Project feature groups products from different product families with different lifecycles together for a single market launch. Visibility over multiple products at once empowers better decision-making and successfully brings products to market on time while minimizing the risk of errors.

On the quality assurance front, enhancements to the Final Inspection module offer additional product inspection process options with more flexible workflows and enriched reporting and defect analysis roll-ups for deeper understanding of the root causes and potential solutions of quality issues.

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Centric's 3D capabilities are enhanced with Rhino file type connectivity for hard goods, footwear and accessories, as well as the addition of Conversations in the 3D viewer, enabling comments for a collaborative 3D workflow.

At the packaging end, the new Packaging Proofing module empowers teams to develop, iterate and proof copy and artwork right in Centric PLM to ensure compliance of product packaging or to give it that wow-factor.

Engineering change management, which is a traditional process for many accessories and gear businesses, is supported by a completely new Centric 8 PLM module. The impact of a change is computed automatically, reducing manual work and empowering users in their decisions and go-to-market strategy.

Finally, from line plan reviews to e-commerce merchandising meetings, there are many instances in the product lifecycle that warrant a presentation to stakeholders. Rather than pulling data and images from PLM to create external presentations in a solution like Microsoft PowerPoint, for example, teams can now create presentations directly in Centric PLM. Users curate products per various goals such as clothing items in a 'set' that go together, by look, persona, theme, promotion, etc. Changes to products are automatically updated in presentations, saving time and reducing errors as well as eliminating tedious click-work.

"The latest version of Centric PLM includes new innovations for everyone," says Chris Groves, President and CEO of Centric Software. "It gives brands, retailers and manufacturers greater flexibility and control, enabling them to ideate the overall consumer product experience directly from PLM. We are proud to continue to work closely with market-leading companies to expand the digital transformation potential of Centric PLM."

New FactoryTalk Logix Echo Emulation Software Transforms Machine Design

19 July 2021

Machine designers can save time and costs, optimize machine performance, and get to market faster using the new FactoryTalk Logix Echo controller emulation software. The software is now available for use with the ControlLogix 5580 family of controllers from Rockwell Automation.

Using the emulation software, engineers can fully test control code in a virtual environment. With support for up to 17 emulated controllers, the software can emulate a machine, production line or even an entire plant.

Emulated controllers can also be paired with other software for a wide range of uses. For example, by connecting an emulated controller to a mechanical system model via the Emulate3D digital twin software, users can perform testing and experimentation without large physical equipment. And by connecting an emulated controller to training simulator software, operators can be trained on a new machine and learn its real-time responses before the machine arrives on site.

The FactoryTalk Logix Echo software is designed with a modern user interface and a simpler overall experience than existing emulation software. Switching between design and emulation, for example, is effortless and requires no program changes.

The FactoryTalk Logix Echo software is the latest addition to the FactoryTalk DesignSuite portfolio. The portfolio brings together engineering and design elements into a standard framework, allowing engineers to use the same tools, language, and resources to build or modify their systems.

Samsung Foundry and Synopsys Collaborate to Accelerate Time to ISO 26262 Compliance for Automotive SoCs

21 July 2021

Synopsys, Inc. announced that Samsung Foundry collaborated with Synopsys on its VC Functional Safety Manager solution. VC Functional Safety Manager (VC FSM) provides the necessary automation for the functional safety Failure Mode Effects Analysis (FMEA) and Failure Modes Effects Diagnostic Analysis (FMEDA) for automotive SoCs.

Samsung collaborated with Synopsys to advance VC FSM as part of Synopsys unified functional safety solution because of its differentiated features covering safety analysis, verification and implementation, enabling designers to prove at the planning and implementation phases that their chip safety architecture can achieve the targeted Automotive Safety Integrity Levels (ASILs). Using VC FSM, customers can perform early analysis of the immediate effect of design changes on the ISO 26262 metrics, automate fault injection campaign for functional safety verification and synchronize the tracking and documentation of functional safety analysis with its requirement management, resulting in faster time to ISO 26262 compliance.

"To perform the detailed FMEA/FMEDA needed for ISO 26262 certification of automotive SoCs, our reference flow needs to integrate technology that enables early analysis, optimize flow automation and integrate with our requirement management tool," said Sangyun Kim, vice president of Foundry Design Technology Team at Samsung Electronics. "Through our deep collaboration on functional safety with Synopsys, VC Functional Safety Manager provides the necessary innovation and automation to accelerate designers' time to ISO 26262 compliance."

New innovations developed in collaboration with Samsung Foundry for VC FSM include productivity-oriented features that result in faster time-to-market and improved system level cost for Samsung, such as:

- Support for top-down flow and what-if analysis enabling early safety architecture exploration
- Quick synthesis for RTL design data extraction, enabling failure rate estimates before a synthesized gate-level netlist is ready
- Support for application lifecycle management tools for easier integration in customer flows
- Handling failure modes and fault injection in analog parts of the SoC

"The increasing complexity of automotive SoCs for powertrain, autonomous driving and advanced driver assistance systems is creating more demand for integrated and highly productive solutions to efficiently perform functional safety analysis," said Vikas Gautam, vice president of engineering in the Synopsys Verification Group. "Through our continuous innovation efforts and collaboration with Samsung, Synopsys is delivering the most advanced solution for automotive customers to accelerate its ISO 26262 functional safety deliverables."

Smart trio for central parts management

21 July 2021

Webcast “Intelligent parts management integrated in SAP ECTR for higher efficiency in engineering” showed the advantages of central parts management with PARTsolutions in SAP

Engineers need about 18 hours a week to search, configure, or newly create parts, say CADENAS experts. This means that every year, countless hours are spent on work that does not add any value.

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Additionally, the new creation of parts generates high design and procurement costs. The solution? Find own parts, purchased parts, or standard parts within seconds and manage them within the SAP system – thanks to the integration of Strategic Parts Management PARTsolutions in SAP Engineering Control Center | SAP ECTR. On July 6, DSC Software AG and CADENAS GmbH demonstrated the advantages and saving potentials of this smart combination in a well-attended webcast.

The experts of DSC and CADENAS used a cool example to explain the interplay of PARTsolutions, SAP, and SAP ECTR: “Imagine PARTsolutions is a supermarket for engineers, and SAP or SAP ECTR is a compact fridge. In the supermarket, you can shop for goods; in the fridge, chosen goods are stored and can be accessed quickly. In our modern times, the supermarket and the fridge are of course connected. You can see at a glance which goods are on stock and which goods need to be replenished,” says Jürgen Heimbach of CADENAS. Apart from this vivid description, the numerous advantages of the solution were demonstrated hand-on on the system.

Find and reuse components and manage them centrally in SAP

PARTsolutions and SAP ECTR complement the existing PLM process in SAP with the easy access to over 800 manufacturer-verified catalogs of standard and purchased parts – accessible either directly from SAP ECTR or from the different CAD systems. Several combinable search methods simplify finding CAD models along with large amounts of metadata. If parts only exist in PARTsolutions and not in SAP, they are stored there. Depending on the process, they can be linked to a material master either immediately or later.

New parts can be introduced in a controlled manner, which promotes standardization and reuse, and prevents unnecessary changes of the BOM. An integrated check for actuality automatically registers whether manufacturer parts have changed or are no longer available. This information is sent directly to the SAP system, the experts informed and continued to address the questions of the webcast attendees directly.

Choose the best fitting component and optimizing processes

In the GUI of SAP ECTR, current business and technical data of the respective part is displayed centrally. Which parts are currently in stock? Can the part be replaced by a similar, cheaper part? The user always gets a full overview, as the experts of DSC and CADENAS demonstrated directly at the system. All employees can access the same multi-CAD engineering data, depending on their authorizations. Productive work time can be doubled this way. The reuse of standard parts also leads to a lower rate of errors as well as optimized processes.

„Through this integration, you can lower your parts quota and increase the standardization of your components,” explain the experts of DSC and CADENAS. The conclusion of the webcast: The trio of PARTsolutions, SAP, and SAP ECTR is definitely worth it.

Wipro launches FieldX, after sales and service solution on ServiceNow

22 July 2021

Wipro Limited, a leading global information technology, consulting and business process services company, today launched FieldX, a cloud-based end-to-end digital service lifecycle automation solution built on ServiceNow’s Now Platform®. Using FieldX, manufacturing organizations can enhance and scale-up their after-sales customer service operations while reducing costs.

Built as part of the ServiceNow Partner Industry Solution Program, FieldX integrates the customer service and field-service management capabilities of the Now Platform with Wipro’s Internet of Things

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(IoT) and Augmented Reality (AR) platforms. By digitizing and automating departmental and cross-enterprise workflows, FieldX allows manufacturers to scale-up operations with reduced costs.

FieldX helps manufacturers enhance their customers' experience with omni-channel support that leverages Wipro's process-transformation expertise and technological innovations. It also increases machine uptime through proactive IoT-based monitoring, while AR-based live assistance accelerates issue resolution. In addition, FieldX provides service operators and field service workers a 360-degree view of the customer, thereby improving their efficiency.

Harish Dwarkanhalli, President, iDEAS – Apps & Data, Wipro Limited said, "FieldX is a significant step forward in our partnership with ServiceNow and it enables manufacturers to proactively address their customers' needs in after-sales service management. We look forward to working with ServiceNow to give other relevant industries the opportunity to leverage this comprehensive digital solution as they transform their own customer-service processes."

Binoy Gosalia, Global Head of Industry Partnerships, ServiceNow said, "Wipro's expertise in Field Service Management and manufacturing, combined with ServiceNow's continued innovation across the Now Platform, helps ensure that FieldX addresses all manufacturer needs. After-sales service and customer care are focus areas for ServiceNow, and we look forward to our continued collaboration with Wipro in this space."

ServiceNow Industry Partner Solutions extends ServiceNow's capabilities to deliver industry-specific apps and services tailored to meet the customers' unique digital transformation needs.