

Contents

<i>CIMdata News</i>	3
CIMdata Announces a Successful 2022 PLM Market & Industry Forum Series	3
Ms. Stephanie L. Possehl from the Office of the Under Secretary of Defense for Research and Engineering to Keynote at PLM Road Map™ & PDT North America 2022	4
<i>Acquisitions</i>	5
Accenture Acquires Ergo to Expand Data & AI Capabilities and Accelerate Data-Led Transformation on the Cloud.....	5
Accenture Announces Intent to Acquire Greenfish, an Independent, Belgium-Based Sustainability Engineering and Advisory Company.....	6
Infosys Completes Acquisition of Digital Experience and Marketing Agency, oddity.....	7
PTC and ITC Infotech to Expand 20-Year Alliance, Accelerate Customer Value Realization from Digital Transformation, SaaS.....	7
PTC to Acquire Next-Generation Application Lifecycle Management Company Intland Software	8
Software AG finalizes acquisition of StreamSets to further accelerate rapid growth in hybrid integration.....	9
Wabtec to Acquire Trimble’s Beena Vision Business to Extend Digital Rail Inspection Portfolio.....	10
<i>Company News</i>	11
Agiloft Announces Strategic Alliance With Woman-Owned Qualitas Consulting Group.....	11
Cadence Ushers in New Era of Performance and Accuracy for Multiphysics System Simulation with Fidelity CFD.....	11
Computer Guidance Corporation and Corpay Announce Partnership to Bring Streamlined Payments to Construction Companies.....	13
DeSL Strengthens Sustainability Technology with Higg Data.....	14
DXC Technology Adds Carrie Teffner to Board of Directors	14
Matterport Launches Social Impact Program to Help Nonprofits and Public Education Institutions to Create Equitable Access to 3D spaces	15
Mendix and Atos expand global partnership to drive efficient, digital decarbonization across every industry with enterprise low-code.....	16
OPTITEX PARTNERS WITH DATATEX TO PROVIDE SEAMLESS ACCESS TO 3D ASSETS & TECH PACK VIA THE DATATEX ERP SYSTEM.....	17
SAP Plans Russia Exit	18
ServiceNow EMEA Creator Workflow Partner 2022	19
Simulations Plus Enters New Collaboration to Advance DDDPlus(TM) Software.....	19
TCS to Help Financial Services Firms Accelerate their Growth and Transformation with Microsoft Cloud for Financial Services Solutions	20
Touchplan Announces New Collaboration with Genda	21
Touchplan Forms Marketing Collaboration with Builthink Consultants.....	21
Touchplan Reaches 50,000 Users.....	21
Trimble and Infotech Expand Collaboration to Improve Inspection Process Efficiencies for Civil Infrastructure Projects.....	22
Wipro Appoints Satya Easwaran as Country Head, India	23
<i>Event News</i>	23
Simulations Plus to Present at the Berenberg Discover AI Seminar	23
The MIC 2022 – Re-connecting the CAD/CAM Industry.....	24

CIMdata PLM Industry Summary

Financial News	25
3D Systems Announces Date of First Quarter 2022 Financial Results	25
Altair Announces Date of First Quarter 2022 Financial Results Conference Call	26
Bentley Systems to Announce First Quarter 2022 Operating Results; Presenting at Upcoming Investor Conferences	26
FARO to Announce Financial Results for the First Quarter 2022 on April 27, 2022	27
IBM RELEASES FIRST QUARTER RESULTS	27
L&T Technology Services reports 21% growth in FY22	29
LTI FY22 Revenue at USD 2.1 billion, growth of 25.9% Q4 FY22 USD Revenues up 27.5% YoY.....	30
Procure Announces Timing of First Quarter Fiscal Year 2022 Earnings Call	32
Rockwell Automation to Report Second Quarter Fiscal 2022 Results	33
Sandvik - Interim report first quarter 2022	33
SAP Announces First Quarter 2022 Results	33
Stratasys Conference Call to Discuss First Quarter 2022 Financial Results	34
Implementation Investments	34
‘THE GREAT.’ Makes Great Strides Toward Efficiency with Centric PLM™	34
AISIN selects Siemens’ Capital VSTAR for AUTOSAR electronic control unit development	35
AKVA Group Standardizes on Infor CloudSuite Platform	36
BARK Unleashes its Potential with NetSuite	37
CHF Industries Selects CGS’s BlueCherry Enterprise Suite for Global End-to-End Supply Chain Management	38
Groupe Chantelle Selects Centric PLM™ to Digitize Product Development and Empower Omnichannel Strategy	38
Idox wins against incumbent provider and bags double deals for print and postal vote support in the forthcoming Scottish elections.....	39
Infor Provides Digital Transformation for the San Manuel Band of Mission Indians.....	40
L&T Technology Services awarded \$100 million+ electric air mobility program from Jaunt Air Mobility ..	41
Real Estate Firm Atkinson McLeod Uses Smartphone Capture and Matterport Axis to Accelerate Sales Process and Improve Agent Productivity	42
TCS Expands Partnership with The Sun-Herald City2Surf.....	43
Tokio Marine Vietnam Powers Customer Experience with OpenText	44
Product News	44
Maxon Adds Enhanced Functionality and Unprecedented Value to Maxon One	44
Infosys Public Services Introduces Infosys LaborForce, one of the First Cloud-native Unemployment Insurance Solutions in the Industry	45
PTC Accelerates Customers' Journeys to SaaS with New Windchill+ Offering	47
SketchUp for iPad Ushers in a New Way to Create in 3D, Anywhere.....	47
Synopsys Introduces Industry's Highest Performance Neural Processor IP	48
TCS Launches Risk-Based Monitoring Solution that Transforms Clinical Operational Analytics and Enhances Study Quality.....	49
BETA CAE Systems announces the release of the v22.1.2 of its software suite	50
ActCAD 2022 Update 1310 Released, Dt.21-Apr-2022	52
Razorleaf Corporation Announces CLOVER CollectIT Release 2.0	53

CIMdata News

CIMdata Announces a Successful 2022 PLM Market & Industry Forum Series

21 April 2022

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces the successful completion of its 2022 PLM Market & Industry Forum. For 2022 the Forums were held as a live event in North America and virtually in EMEA, India, China, and Japan.

CIMdata's PLM Market & Industry Forums are the world's premier event for software and service providers focused on the PLM market and its development and growth. Participants gathered in person and virtually to hear CIMdata's perspective on the state and trends of the PLM market and a detailed discussion of CIMdata's research and viewpoints on the 2021 PLM market results. CIMdata shared its extensive analysis and forecasts regarding market growth across PLM domains, industries, regions, and the performance (revenue and market share analysis) of leading PLM software and service providers. The theme for 2022 was "Sustainability: PLM Essential to Facing this Global Challenge."

In addition to the state of the industry, trends, and the market numbers, the program included presentations on:

- The Sustainability Imperative
- Sustainability & PLM
- Enabling Sustainability in the PLM Economy
- The Multi-View BOM Potential
- Enterprise Application Architecture: A Valuable Enterprise Framework

During the event, CIMdata announced that Aras, Autodesk, Dassault Systèmes, IBM, Oracle, PTC, SAP, and Siemens Digital Industries Software were CIMdata PLM Mindshare Leaders for 2022.

Commenting on the PLM market, Stan Przybylinski, CIMdata's Vice President, stated, "The PLM market, as measured by CIMdata, grew by 11.1% in the calendar year 2021, above our forecast of 7.5%. All PLM segments were up solidly, and four segments were up double digits over 2020. The EDA segment had stronger than forecast growth and grew even faster than segment leaders Cadence and Synopsys. Computer-aided manufacturing (CAM) saw moderate growth at 5% and welcomed a new major player, Sandvik, who acquired multiple independent CAM providers over the last two years and now ranks third in CIMdata's CAM market analysis. The Architecture, Engineering, and Construction (AEC) segment grew strongly at 16.6% driven, in part, by Autodesk's move to subscription-based licensing. Simulation and analysis (S&A) grew 9.5%, with Ansys and Altair beating their guidance estimated after Q3."

He added, "The growth drivers for the PLM Economy, Industry 4.0, smart connected products, IoT, and digital transformation, remain strong. CIMdata believes that ongoing supply chain issues will drive future investments in smart manufacturing to make near-shoring and onshoring more economically viable. The pandemic also saw an increased reliance on virtual collaboration, another trend showing positive impacts on the PLM market. Finally, based on other CIMdata research, the interest in and adoption of cloud-based solutions accelerated early in the pandemic and continues to grow. We might have reached a tipping point toward PLM on the cloud. The Ukraine conflict led many to reduce global estimates of GDP growth which could impact 2022 results."

The PLM Market & Industry Forums offer the first look at CIMdata's PLM market estimates, which are

CIMdata PLM Industry Summary

preliminary and are subject to change. CIMdata releases the final complete analysis in its PLM Market Analysis Report Series. For more information, please see www.CIMdata.com.

Ms. Stephanie L. Possehl from the Office of the Under Secretary of Defense for Research and Engineering to Keynote at PLM Road Map™ & PDT North America 2022

19 April 2022

CIMdata, Inc. and Eurostep are pleased to announce that Ms. Stephanie L. Possehl, Acting Deputy Director for Engineering and Director for Engineering Policy and Systems, at the US Department of Defense, will make a keynote presentation, Making the DoD Digital Engineering Strategy a Reality - An update in Year 4, at PLM Road Map & PDT North America 2022. This two-day in-person event will take place May 24-25 at the Marriott Hotel, Tysons Corner, VA, near Washington DC. The theme for the event is "Digital Transformation and PLM – a call for PLM professionals to re-define and re-position the benefits and value of PLM."

The Office of the Under Secretary of Defense for Research and Engineering's (OUSD R&E) Digital Engineering, Modeling and Simulation (DEM&S) organization is at the heart of the US Department of Defense's (DoD) digital transformation to effectively leverage data to design, develop, deliver, operate, and sustain complex systems. The mission of DEM&S is to advance the state of engineering practice and engineering enablers to support lifecycle activities and digital transformation across the DoD. This keynote presentation will reflect on the Digital Engineering Strategy released in 2018. Additionally, it will describe digital engineering, modeling and simulation, as well as data-centric initiatives that have occurred since the Digital Engineering Strategy's release, which include current departmental efforts to achieve the strategy's vision. Finally, it will identify opportunities for the future as we focus on governmental, academic, and industry efforts to more rapidly deliver solutions to the warfighter.

PLM Road Map & PDT 2022 will focus on the interests of the PLM Professional. With this in mind, our agenda offers a mix of reports and case studies from industry experts covering technologies, processes, and people. PLM Road Map & PDT 2022 will highlight the role of PLM in enabling holistic and sustainable Digital Transformation. Presentations will investigate where PLM has been successful and why. Additionally, we will consider the positioning of PLM within the enterprise.

In addition to the event in May, CIMdata and Eurostep will collaborate to bring PLM Road Map EMEA and PDT Europe to Gothenburg, Sweden, in October.

For more detail on the agenda, please visit <https://www.cimdata.com/en/education/plm-conferences/plmrm-pdt-na-2022/agenda>.

About Ms. Stephanie L. Possehl



Ms. Stephanie Possehl is the Acting Deputy Director for Engineering (DD, ENG) and Director of Engineering Policy and Systems within the Office of the Under Secretary of Defense for Research and Engineering. She serves as the Department of Defense's Chief Engineer for Advanced Capabilities. She sets engineering policy for the DoD, focusing on embracing modern engineering best practices and driving technical rigor. She also leads DoD-wide communities of practice dedicated to advancing engineering practice and championing efforts such as digital engineering, modular open systems approach, and many traditional specialty engineering focus areas. She leads mission integration management and supports Major Defense Acquisition

CIMdata PLM Industry Summary

Programs through engineering and test assessments. She is the functional leader for the Engineering & Technical Management and Test & Evaluation acquisition workforces. She also has responsibility for the Joint Hypersonics Transition Office and Strategic Intelligence Analysis Cell.

Ms. Possehl has more than 25 years of Federal service with the Department of Defense, including program management positions with the Missile Defense Agency (MDA) supporting Aegis Ballistic Missile Defense and the Sea-Based Terminal program. Before joining MDA, she taught senior-level program management and systems engineering courses at the Defense Acquisition University. Her previous engineering and project management assignments supported the US Navy STANDARD Missile Program Office and the Naval Surface Warfare Center/Dahlgren Division. She began her career as a contractor providing engineering support to DoD programs.

Ms. Possehl holds a Bachelor of Science in mechanical engineering and a Master of Science in technology management, both from the University of Maryland. She is a member of the Acquisition Professional Community and is DAWIA Level 3 certified in Program Management and Engineering. She received the MDA Medal for Exceptional Civilian Service (2020), Navy Superior Civilian Service Award (2018), and Navy Meritorious Civilian Service Award (2015).

Acquisitions

Accenture Acquires Ergo to Expand Data & AI Capabilities and Accelerate Data-Led Transformation on the Cloud

21 April 2022

Accenture has acquired Ergo, a data-centered business located in Argentina that helps companies create a culture of data-driven decision-making using big data, analytics and artificial intelligence (AI). Ergo's team of 200 data specialists will join the Data & AI team within Accenture Cloud First. Financial terms of the acquisition were not disclosed.

The acquisition expands Accenture's Cloud First capabilities to drive data-led transformations for clients in the Hispanic South American market, spanning Argentina, Chile, and Colombia.

With headquarters in Buenos Aires, Ergo brings human-centric design principles to build data solutions that guide better business decisions. Founded in 2004, Ergo combines technology expertise and customer-focused consulting to integrate data and AI across the enterprise and create a trusted single source of insights.

"Almost every day, 2.5 quintillion bytes of data are created by humans and machines across the cloud continuum at the edge, on the internet and in data centers. Cloud is the place where all this data gains accessibility and scale. Cloud's advanced data & AI tools empower companies to transform data into intellectual capital like never before," said Karthik Narain, global lead for Accenture Cloud First. "By acquiring Ergo, Accenture will bring more resources to help clients gain insights about where to focus their transformation for the most value and how data can support better decision-making through the transformation process."

Ariel Güelmos, Ergo's CEO said, "Joining the Accenture Cloud First team will enable us to scale our data-led experience for major worldwide clients to achieve better business outcomes, faster – from improving how they work, how they serve customers, and how they differentiate through new products and services."

Accenture Announces Intent to Acquire Greenfish, an Independent, Belgium-Based Sustainability Engineering and Advisory Company

20 April 2022

Accenture has announced its intent to acquire Greenfish, an independent engineering and advisory company specializing in sustainability consultancy services. Financial terms of the transaction are not being disclosed.

Founded in 2010 and based in Brussels, Greenfish provides sustainability consultancy services and engineering solutions to accelerate sustainable business transformation, from strategy to implementation. With offices in Belgium, France and the Netherlands, the company's more than 270 highly skilled professionals would join Accenture Sustainability Services.

"Organizations are increasingly pursuing more sustainable business models and improved performance in environmental, social and governance (ESG) terms. This shift brings financial and competitive value to companies, while making sustainability and ESG a priority at all levels of the organization," said Olivier Girard, market unit lead for Accenture France & Benelux. "Acquiring Greenfish would further enhance our deep experience in helping European clients improve their ESG performance and embed sustainability by design in their operations."

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

With the acquisition of Greenfish, Accenture would be able to build its sustainability skills and capabilities and scale its services faster to address the growing needs of clients. Post COP26 in particular, companies in Europe are accelerating their sustainability transformations, with evolving energy and supply-chains pressures only furthering this trend.

Peter Lacy, Accenture's global Sustainability Services lead and chief responsibility officer, added, "The Accenture Sustainability Value Promise is to embed sustainability into everything we do, with everyone we work with, creating both business value and sustainable impact, enabled by technology and human ingenuity. Adding more than 270 deeply skilled professionals in the areas of low-carbon energy transitions, the circular economy and ESG measurement would rapidly accelerate our already-strong leadership both across Europe, and within the critical markets of France, Belgium and the Netherlands."

Yann Louise, Co-founder of Greenfish, said, "We are motivated by this opportunity to join a leading organization to continue to drive sustainability as a top priority. Combining our respective expertise would allow us to reach a larger group of clients, and offer a whole new level of strategic counsel and services, thus accelerating the sustainability transformation of our clients and increasing our impact on society."

The acquisition requires prior consultation with the relevant works councils and would be subject to customary closing conditions.

Infosys Completes Acquisition of Digital Experience and Marketing Agency, oddity

20 April 2022

Infosys, a global leader in next-generation digital services and consulting, announced that it has completed the acquisition of oddity, a Germany-based digital marketing, experience, and commerce agency. This follows the announcement the company made on March 22, 2022.

The acquisition further strengthens Infosys' creative, branding and experience design capabilities, and demonstrates its continued commitment to co-create with clients, and help them navigate their digital transformation journey. oddity brings to Infosys a comprehensive service portfolio comprising digital-first brand management and communication, in-house production, including virtual and augmented reality, experience design and e-commerce services as well as its metaverse-ready set-up across Europe.

Together with Infosys' earlier acquisition of WONGDOODY, which offers creative and marketing services, oddity will help global CMOs, and businesses thrive in a digital commerce world with complementary skills and expertise. As part of Infosys' digital experience and design offering, oddity will become part of WONGDOODY, an Infosys company, and join its network of studios across Seattle, Los Angeles, New York, Providence, Houston, and London, and design hubs in five cities in India.

Infosys is delighted to welcome oddity and its leadership team.

PTC and ITC Infotech to Expand 20-Year Alliance, Accelerate Customer Value Realization from Digital Transformation, SaaS

21 April 2022

PTC and ITC Infotech announced an agreement to accelerate customer digital transformation initiatives, focused on the adoption of PTC's industry-leading Windchill® product lifecycle management (PLM) software as a service (SaaS). ITC Infotech will acquire a portion of PTC's PLM implementation services business and create a new business unit of ITC Infotech, called DXP Services, that will combine PLM professional services experts from both companies. Together, the two companies will work together to deliver "in-flight" Windchill implementation services for a broad set of existing PTC customers while also enabling a growing number of customers to move from their existing, sometimes highly-customized on-premises implementation of Windchill to next-generation, best-practice SaaS.

Across all aspects of business, digital transformation and SaaS adoption have gone mainstream, with more than half of all commercial software expected to be sold as SaaS this year. In the manufacturing industry, the SaaS adoption curve is accelerating, driven in part by the COVID pandemic. To meet this fast-emerging market need, PTC is investing heavily to bring its entire product portfolio to the cloud via its PTC Atlas™ SaaS Platform. With this new agreement, PTC and ITC Infotech will bring together professionals from both companies into a unified team dedicated to creating, and jointly offering, the tooling and methodologies required to expedite a smooth transition to SaaS.

"As a global technology services and solution provider, ITC Infotech shares a common goal with our partner PTC – to enable customers to embrace SaaS as a cornerstone of their digital transformation strategies," said Sudip Singh, Managing Director and CEO, ITC Infotech. "PTC and ITC Infotech have a proven and trusting alliance formed over 20 years working together for the benefit of our mutual customers. The creation of DXP Services will take our relationship to a whole new level and will enable PTC customers to transform the way they adopt technology in the distributed, secure, and agile workplace of the future."

ITC Infotech has successfully partnered with customers and helped them transform the way they

CIMdata PLM Industry Summary

consume technology, including embracing SaaS. The firm's deep understanding of the innovation and value which is realized at the intersection of technology, domain, and industry, makes them the partner of choice to their customers. Increasingly considered the backbone of digital transformation, PLM implementation for industrial companies is one of ITC Infotech's core competencies, with the firm having successfully delivered hundreds of global PLM engagements. Such depth of domain expertise, the longevity of collaboration between the two companies, and the fact that many PTC PLM implementation experts will be joining DXP Services will help provide a smooth transition for customers as the new business unit commences operations. Over time, DXP Services expects to expand the range of services it provides.

"It has long been PTC's strategy to build a partner ecosystem that brings to bear the expertise and capacity of systems integrators to drive business transformation and technology adoption across our global customer base," said Jim Heppelmann, President & CEO, PTC. "Together with ITC Infotech, we are creating a specialized team to unlock the potential of our Windchill services business and accelerate manufacturers' ability to realize the benefits of SaaS, such as accessibility, security, and a lower total cost of ownership."

Further accelerating PTC's embrace of SaaS as a business paradigm, the company will focus its own services professionals on thought leadership related to digital thread value realization. PTC's services experts are unique in their understanding of the value that can be created at the intersection of the technologies that drive an enterprise digital thread strategy – CAD, PLM, Internet of Things (IoT), and Augmented Reality (AR). PTC will apply that expertise to continue driving digital transformation across the manufacturing landscape. PTC will continue to lead implementation services for customers with unique requirements, such as U.S. federal government security protocols, while also continuing to collaborate with its global partner ecosystem to drive digital thread initiatives and enable more customers to benefit from PTC's next generation SaaS solutions across the company's technology portfolio.

"This new agreement with ITC Infotech will allow PTC to realign its own professional services experts to a unique thought leadership role in the industry in enabling digital transformation for industrial companies across engineering, manufacturing, and service," added Heppelmann. "PTC is investing heavily in next-generation SaaS solutions across our portfolio, and this expert team will develop the roadmaps our customers need to increase the value they realize from technology, and enable them to completely redefine the way work gets done."

Subject to applicable closing conditions, the transaction is expected to be completed in PTC's fiscal Q3. Management plans to discuss the expected impact of the agreement on PTC's financial and operating metrics during its fiscal Q2 quarterly earnings call on April 27.

PTC to Acquire Next-Generation Application Lifecycle Management Company Inland Software

20 April 2022

PTC announced that it has signed a definitive agreement to acquire Inland Software for approximately \$280 million. Inland develops and markets the Codebeamer™ Application Lifecycle Management (ALM) family of software products, including a next-generation, cloud-ready, fully integrated offering. The acquisition is expected to significantly broaden and deepen PTC's ALM footprint across safety-critical and regulated industries. Subject to the satisfaction of applicable closing conditions, the transaction is expected to close in PTC's fiscal third quarter.

CIMdata PLM Industry Summary

The acquisition is expected to broaden and deepen PTC's ALM footprint across safety-critical and regulated industries.

"The addition of Codebeamer will broaden and deepen our ALM portfolio and enable us to further support our customers' efforts to incorporate sophisticated software systems into their products," said Jim Heppelmann, President and CEO, PTC. "This acquisition will also complement our strengths in PLM and model-based systems engineering as part of our Digital Thread portfolio strategy."

Intland is headquartered in Stuttgart, Germany and serves an impressive array of global enterprise ALM customers operating across the automotive, life sciences, consumer electronics, and aerospace and defense industries.

Key to Codebeamer's success is its flexible and modern, easy-to-use interface. Codebeamer provides customers with requirements-, risk-, and test-management capabilities, while supporting contemporary agile software development and integrating with the best-in-class DevOps and source code management tools that software developers love. Codebeamer's pre-built templates and partner integrations make it easier for customers to meet the stringent requirements common in regulated industries.

PTC plans to offer Codebeamer standalone and in conjunction with both its Windchill and Arena PLM offerings, and to continue to enhance and support its existing ALM solution.

"The entire Intland team is proud of the success we have had developing and delivering a modern ALM offering that has been widely accepted in the market," said Janos Koppany, CEO, Intland Software. "Our Codebeamer offerings are a perfect complement to PTC's portfolio of product development solutions, and we look forward to continuing our journey as part of PTC."

The transaction will be funded with cash on hand and amounts borrowed under PTC's existing credit facility. Management plans to discuss the expected impact of the Intland acquisition on PTC's financial and operating metrics during its fiscal Q2 quarterly earnings call on April 27.

Centerview Partners LLC acted as exclusive financial advisor to PTC on the transaction.

Software AG finalizes acquisition of StreamSets to further accelerate rapid growth in hybrid integration

19 April 2022

Software AG announced that it has closed the acquisition of StreamSets, following regulatory approval. The original terms of the agreement remain unchanged. Software AG has now added a fast-growing SaaS and subscription business and enterprise-grade data integration platform.

This combination enables organizations to better unlock and capture value from data as it moves between on-premise applications, data streams, SaaS applications, legacy data stores and cloud data platforms like Amazon RedShift, Databricks and Snowflake. The combined hybrid iPaaS platform will deliver consolidated, conformed, continuous data to smart applications and the connected enterprise.

Sanjay Brahmawar, Software AG CEO, commented: "We are delighted to see this deal close and begin the exciting journey ahead of us. We see tremendous opportunity to aggressively expand our position in the market by helping our customers solve bigger and more mission critical challenges than ever before. This acquisition is a hugely beneficial move focused on creating long-term value for our customers, employees, partners and our shareholders. We are welcoming outstanding colleagues with a track record of innovation and success to start changing the future of data driven businesses."

Girish Pancha, CEO of StreamSets, said: "We are very excited to join the Software AG family. We will immediately begin our work together to finally show that application and data integration platforms

CIMdata PLM Industry Summary

can be merged together. We plan to wow our customers by bringing them something they have never seen before, and that will be the proof of our success.”

Software AG will benefit from StreamSets’ stand-alone growth; will sell StreamSets’ highly complementary products to its own hybrid integration customer base and look to develop combined offerings.

The original terms of the deal remain as agreed at signing.

Wabtec to Acquire Trimble’s Beena Vision Business to Extend Digital Rail Inspection Portfolio

20 April 2022

Wabtec Corporation, a leading global supplier for freight and transit rail, announced the company has signed a definitive agreement to acquire Trimble’s Beena Vision business, a manufacturer of machine vision-based wayside inspection systems for the railroad industry. The acquisition is subject to customary closing conditions and financial terms were not disclosed.

“Beena Vision’s systems, coupled with Wabtec’s TrackIQ portfolio, will create a comprehensive wayside inspection offering,” said Nalin Jain, president of Wabtec’s Digital Electronics business. “TrackIQ’s sensor-based systems and Beena Vision’s technologies combine to produce an industry-leading suite of wayside inspection solutions. These solutions enable our customers to monitor the health of their rolling stock assets, which allows them to realize reductions in maintenance costs, safety incidents and to increase fleet availability for revenue generation.”

Beena Vision provides vision-based wayside detectors for the rolling stock maintenance market. Its non-contact measurement technology provides a highly detailed condition assessment of train components—ranging from wheel surface condition to full train inspection—while operating in service and at high speeds. Beena Vision’s wayside systems enable Train Operating Companies (TOCs) to manage fleet maintenance through cutting-edge sensor and image-based inspection systems. Real-time alarms, alerts, and reports enable significant reductions in maintenance costs, improve safety and increase fleet availability. Beena Vision systems are installed at many major North American Class 1 railroads, as well as other worldwide TOCs.

This deal will extend Wabtec’s unparalleled digital and electronics portfolio, enhancing its ability to progress wayside train condition monitoring, as well as supply chain and logistics technology for railroad customers around the world.

“We set out to identify the ideal company to carry forward our rolling stock wayside monitoring solutions and we have found that company in Wabtec,” said Ron Bisio, Trimble’s senior vice president with responsibility for rail. “Trimble will continue to develop cloud-based Internet of Things (IoT) rail solutions for rolling stock lifecycle management and will increase its focus on solutions for railway infrastructure surveying, construction, and maintenance, which are closely aligned to its core industry segments.”

Beena Vision’s business has been reported as part of the Trimble Transportation Segment. The sale will not have a material impact on the segment or overall financial results.

Company News

Agiloft Announces Strategic Alliance With Woman-Owned Qualitas Consulting Group

21 April 2022

Agiloft, the global standard in no-code contract lifecycle management (CLM), announced an alliance with Qualitas, a full-service consulting firm dedicated to providing high-quality business solutions and support.

The only woman-owned business focused on contract lifecycle management, enterprise legal management, and business process management, **Qualitas Consulting Group** has developed a unique methodology and format of working sessions—known as Kickstarters—aimed at getting clients organized and focused for the quickest, most effective results. Its functional and technical expertise includes implementations of Agiloft CLM for clients in industries ranging from pharmaceuticals to high tech.

This partnership furthers Agiloft’s goal of empowering CLM owners and enabling customer success. Both companies are well-aligned in their passion for excellence, and the combination of Agiloft’s leading platform with Qualitas’ expertise provides clients with a path to increased adoption of a CLM platform.

“Qualitas’ mission of providing added-value to the right company at the right time leveraging the right team is fully aligned with our own mission, and we are very pleased to add them to our partnership program,” said Elisabeth Bykoff, VP of Global Alliances at Agiloft. “Their talented team and full range of services provide our prospects and customers with high-quality resources and CLM expertise to ensure accelerated and successful implementation of our CLM platform. Inclusion is also a key pillar in Agiloft’s growth plan and partnering with a woman-owned business adds strength and diversity to our program.”

“We are excited by this partnership because it creates so much potential for our clients to smoothly resolve the barriers and complexities of contract management,” said Lauryn Haake, President of Qualitas Consulting Group. “Problems with contracting processes are gritty and multi-faceted; they take experience and tenacity to be resolved, and they demand a lot from the technology in the process. Agiloft’s user-friendly platform can be configured to suit the most complex contract workflows, which is what we seek for our clients, especially knowing that we have the same commitment to customer success.”

At the time of this release, the team at Qualitas has already completed several high-value projects with Agiloft in the pharmaceutical and technology space with several other projects in progress.

Cadence Ushers in New Era of Performance and Accuracy for Multiphysics System Simulation with Fidelity CFD

19 April 2022

Cadence Design Systems, Inc. ushered in a new era of performance and accuracy for multiphysics simulation with the launch of the Cadence® Fidelity™ CFD Software, a comprehensive suite of computational fluid dynamics (CFD) solutions for multiple vertical markets, including automotive, turbomachinery, marine, aerospace and others. Fidelity CFD introduces a next-generation flow solver featuring high-order numerics, scale-resolving simulations and massive hardware acceleration, which together boost performance and accelerate turnaround time without sacrificing accuracy.

CIMdata PLM Industry Summary

With Cadence® Fidelity™ CFD Software, engineers can address wind noise around road vehicles, expand the flight envelope of next-generation aircraft designs, optimize the power generated by wind and gas turbines, and cut fuel consumption of marine vessels, all while maintaining high accuracy and dramatically reducing turnaround time.

Building upon the expertise and technology gained from the NUMECA and Pointwise acquisitions and organic computational software expertise, Fidelity CFD unites all of the compelling technologies a CFD engineer needs to simulate the performance of multiphysics systems in a streamlined workflow.

Included in Fidelity CFD are several specialized flow solvers for marine and turbomachinery applications, as well as general-purpose flow solvers for a broad range of flow types. With Fidelity CFD, engineers can address wind noise around road vehicles, expand the flight envelope of next-generation aircraft designs, optimize the power generated by wind and gas turbines, and cut fuel consumption of marine vessels, all while maintaining high accuracy and dramatically reducing turnaround time. In particular, Fidelity CFD software's unified mesh generation technologies from NUMECA and Pointwise delivered critical capabilities to a major aerospace customer.

“Fidelity CFD significantly improves fluid dynamics performance and accuracy across all industry verticals,” said Tom Beckley, senior vice president and general manager of the Custom IC and PCB Group at Cadence. “For advanced applications that need to accurately model turbulence—including automotive, turbomachinery and aerospace applications—the Fidelity CFD software's next-generation flow solver opens new opportunities for customers to rapidly garner unprecedented engineering insight into the performance of their systems.”

Fidelity CFD includes major technological innovations that are breaking through the limitations of traditional CFD solver technologies. Fidelity CFD software's next-generation, high-order flow solver with its advanced simulations of fluid turbulence has demonstrated the ability to predict aerodynamic drag on an automobile up to 10X more accurately than a traditional CFD solver. In addition, the turnaround time for these highly accurate simulations can be reduced from weeks to a day or less.

Unique to Fidelity CFD is the combined meshing expertise from the former NUMECA and Pointwise teams. While geometry and meshing can consume up to 75% of a CFD engineer's time, Fidelity CFD builds upon a long tradition of innovation and turnaround time reduction in these areas. While integration of the meshing technologies continues, the software products continue to advance individually. In particular, the release of Fidelity Pointwise Meshing accelerates the technique used for meshing the flow field around commercial and military aircraft and space launch vehicles by up to 3X.

Fidelity CFD software's meshing capabilities also enhance automotive applications. “We chose NUMECA Autoseat and Hexpress to be our standard workflow for CFD preprocessing,” said Antoine Delacroix, Manager Vehicle Performance Engineering R&D at Toyota Motor Europe. “They allowed us to reduce our total lead time and work hours respectively by 91% and 97% while consistently providing high-quality meshes with excellent layer coverage. Due to the high level of automation and standardization, creating a mesh from CAD does not require long pre-processing training. Since becoming part of Cadence, the team has continued to deliver valuable new solutions. We like the integration of all these tools in Fidelity CFD and look forward to continued innovations.”

The breadth of capability within Fidelity CFD goes beyond airflow to the flow of water for marine applications, and no marine application is higher profile than the America's Cup yachting race. “Although AC75 yachts spend most of their time flying above the water, we saw in AC36 that the race can all be decided in the acceleration and takeoff phases,” said Dan Bernasconi, Technical Director at America's Cup champion Emirates Team New Zealand. “Having a hull design optimized for

CIMdata PLM Industry Summary

hydrodynamic efficiency in takeoff and touchdowns is crucial to winning the America's Cup, and at Emirates Team New Zealand, we rely on Cadence's Fidelity Marine Solver to predict this performance. Fidelity Marine is the leading simulation tool for hull hydrodynamic modeling and forms an important part of our tool suite."

With the launch of Fidelity CFD and building upon decades of Intelligent System Design™ technology, Cadence is well positioned to develop and implement a broad range of fluid simulation solutions to meet customers' evolving computational needs.

Computer Guidance Corporation and Corpay Announce Partnership to Bring Streamlined Payments to Construction Companies

21 April 2022

Computer Guidance Corporation (CGC), a leading developer of cloud-based ERP solutions for the construction industry, and Corpay, a FLEETCOR® brand and a global leader in business payments, are announcing a partnership that will bring streamlined payment services to construction companies.

This collaboration will bring Corpay Payment Automation's AP services to Computer Guidance Corporation's construction customers that will further simplify back-office procedures as well as provide further visibility into business payments.

Computer Guidance Corporation, part of JDM Technology Group, has a proven track record of helping commercial contractors achieving quantifiable benefits as a result of implementing eCMS construction ERP solutions and accompanying business process consulting services. Computer Guidance's eCMS Cloud Construction ERP helps clients digitally transform their businesses for greater efficiency and faster growth through the utilization of various innovative technologies and resources in order to collect and transform business data into real-time contextual relevancy and make it available to all stakeholders online.

"We are pleased to have completed the integration of our eCMS Construction ERP Software with Corpay Payment Automation's AP services," stated Michael Bihlmeier, President at Computer Guidance Corporation. "eCMS Connect for Corpay will enable Corpay and CGC to provide even higher standards of automation and security, as well as faster payment processing, to our clients."

Corpay Payment Automation, formerly Nvoicepay, is a financial technology company specializing in intelligent payment automation. Corpay software automates payments for accounts payable teams, transforming a traditionally expensive and disjointed process into an efficient, unified workflow. Computer Guidance's eCMS cloud-based ERP software helps any size and type of commercial contractor manage all aspects of their financials and operations transforming their business challenges into profitable results. The integrated solution, [eCMS Connect for Corpay](#), will deliver an end-to-end and fully automated vendor payment and expense management solution leveraging the functionality of Corpay payment solutions and eCMS ERP applications.

"We are excited to be officially partnering with the team at Computer Guidance Solutions as we continue to help their clients better track, manage and pay suppliers with one simple solution," said Matt Butler, SVP of Construction Sales for Corpay. "For businesses like those in the construction vertical, we assist them in moving away from traditional paper checks with payment tools that enable real-time visibility into business expenditures while simultaneously helping to mitigate payment fraud risk for the company."

DeSL Strengthens Sustainability Technology with Higg Data

19 April 2022

DeSL announces partnership with Higg, the sustainability insights platform, to strengthen its already comprehensive suite of tools to help fashion and other consumer goods industries better manage their corporate goals in terms of sustainability, climate change and compliance.

Leveraging this integration, DeSL can deliver Higg's industry leading social and environmental sustainability insights to product designers and developers from the start of the development process. With sustainability being an industry-wide initiative and brands seeking deeper adoption, partnering with a leading data solution will allow our customers to design products and see value-chain data all in one solution.

The expanded functionality delivers DeSL PLM customers visibility to the environmental impacts of their design and sourcing decisions which are connected to upstream sustainability targets.

Colin Marks, DeSL's CEO explains, "DeSL is committed to working with the fashion industry to deliver technology which enables companies to make better and faster decisions when it comes to the entire product lifecycle, from initial design concept right through to delivery to the consumer." He goes on to mention, "The ability to predict the likely sustainability and carbon footprint effects of product and sourcing partner choices will enable brands to make better decisions when it comes to balancing margin requirements with corporate sustainability goals. Integrating with the Higg platform will bring a new level of trusted and transparent data to help with these decisions."

Leveraging Higg's APIs, DeSL allows users to continue their PLM workflow while receiving up-to-date information on environmental impacts. This collaboration on materials extends to overall product impacts as well as tracking vendor compliance at the social and environmental levels.

"We are delighted to work with DeSL to introduce Higg sustainability data to their PLM workflow," said Higg Chief Strategy Officer James Schaffer. "Thanks to this partnership, fashion brands, retailers, and manufacturers can use Higg solutions and data to strengthen their individual social and environmental sustainability strategies. Higg is committed to helping companies address climate change and meet the sustainability expectations of today's global stakeholders."

DXC Technology Adds Carrie Teffner to Board of Directors

21 April 2022

DXC Technology's Board of Directors announced the appointment of Carrie W. Teffner to the company's board effective April 20, 2022. Ms. Teffner will serve on the Audit Committee of the Board.

"On behalf of all of our directors, we are delighted to welcome Carrie to the DXC Board," said Ian Read, DXC chairman. "Carrie is a highly experienced executive with an impressive strategic, financial, and general management track record. We look forward to working with her to continue to shape the future of DXC. Carrie will be a valuable advisor to Mike Salvino and his leadership team as they continue to execute on the DXC Transformation Journey."

Ms. Teffner is an experienced board member who currently serves on the BFA Industries and the International Data Group (IDG) board of directors. She previously served on the board of directors of GameStop Inc. from September 2018 to June 2021 and on the board of directors of the Ascena Retail Group, Inc. from October 2018 to March 2021, where she also served as interim executive chair from May 2019 to March 2021. She also served on the board of directors of Crocs, Inc. from June 2015 to

December 2015.

Previously, Ms. Teffner served as Chief Financial Officer and led strategic transformations for several companies including Crocs, PetSmart, Weber Stephen Products and Timberland. She spent the first 21 years of her career in various leadership positions with Sara Lee Corporation, including division and segment Chief Financial Officer and Corporate Treasurer. Ms. Teffner holds Master of Business Administration and Bachelor of Science degrees from the University of Vermont and serves on the Grossman School of Business Board of Advisors.

Matterport Launches Social Impact Program to Help Nonprofits and Public Education Institutions to Create Equitable Access to 3D spaces

19 April 2022

Matterport, Inc., the leading spatial data company driving the digital transformation of the built world, announced the Exploration to Equity program, a new corporate social impact initiative that supports nonprofit organizations to use the Matterport Digital Twin Platform to increase access for underrepresented groups. As part of the program, Matterport will donate its technology and services to select, qualifying organizations such as its first partner organization, Space Foundation Discovery Museum, allowing them to capture and provide people with access to their Matterport 3D spaces. The program will prioritize projects that support marginalized, disenfranchised, and vulnerable populations and focus on capturing historically and socially significant spaces.

“At Matterport, we are committed to reimagining ways to collaborate, explore, and share spaces,” said Qadira Harris, Senior Director of Global Responsibility at Matterport. “For organizations like nonprofits and schools, we recognize the power technology and data can have to tackle some of society's biggest challenges. By leveraging our people, products, and services, we aim to strengthen and empower communities to become stronger, unified, inclusive, and more resilient.”

Matterport’s mission is to make every building and space more valuable and accessible through the creation of digital twins, or replicas, of those spaces. Among the 4 billion spaces in the world, the Matterport Exploration to Equity program aims to capture some of these spaces for the greater good of society. The Matterport Exploration to Equity program supports creative and innovative organizations that demonstrate equitable solutions to building community resilience through access to spaces. As part of the program, Matterport will evaluate submissions from qualifying US-based 501(c)(3) non-profit organizations, K-12 public schools, and public universities to bring historically or socially significant spaces to life through the Matterport Digital Twin Platform, allowing anyone, anywhere to visit.

The first organization to benefit from the new program is the Space Foundation Discovery Museum, based in Colorado Springs, Colorado. An interactive, education-focused destination, the Space Foundation Discovery Museum is Colorado’s first and only dedicated space, science, and technology museum. A popular field trip destination for school children, Matterport donated services to capture a digital twin of the museum to create a new immersive, virtual experience to help power remote learning opportunities for students beyond their immediate region.

"We are grateful for Matterport's support to help us virtually capture the Space Foundation Discovery Center and to be part of their Exploration to Equity program," said Rachel English, director of Discovery Center. "Creating a digital twin of the Discovery Center to enable virtual visits will open opportunities to many more students to discover space and explore our incredible programming from anywhere. Matterport's efforts to help increase community inclusion and provide equitable access to the

Discovery Center is exciting, and Space Foundation is humbled to be the first organization to be included in their program."

Mendix and Atos expand global partnership to drive efficient, digital decarbonization across every industry with enterprise low-code

21 April 2022

Mendix, a Siemens business and global leader in enterprise application development, and Atos, a global leader in digital transformation, announced that they have signed an expanded partnership agreement to empower Atos to leverage the Mendix low-code platform to drive hyper-automation and decarbonization in enterprises. This partnership with Mendix enhances the longstanding, trusted partnership between Atos and Siemens, cementing Atos' commitment to providing world-class, low-code solutions for global businesses.

At launch, the agreement will give Atos the license to sell Mendix low-code platform in multiple regions where Atos has a joint business collaboration with Siemens, including APAC, EMEA, and the Americas. The offering will become available in more and more countries after the initial launch.

Speeding up digitalization in manufacturing, retail, public sector, telecommunications, and financial services

While enterprises continue to undergo rapid transformation as they digitalize business processes and operations, increasing economic sectors and industries are adopting IT solutions that streamline efficiency, optimize resources, and increase revenue.

Atos will leverage the Mendix low-code platform to offer the broadest range of application modernization services and to fortify its industrial expertise and capabilities. Through this partnership, Atos will enable organizations to maximize the potential of low-code applications to support new user needs for fast and modern services across the manufacturing, retail, public sector, telecommunications, and financial services industries. With the help of the Mendix low-code platform, Atos customers can now launch complex, business-oriented digital initiatives without prohibitive investment in extensive technological capabilities and expertise.

Accelerating digital decarbonization

The agreement will also support Atos' mission to push boundaries of scientific and technological excellence to ensure that its business partners, clients, and the greater society can thrive and function sustainably in a digitally secure information environment.

The Mendix platform integrates with existing components to take a circular economy approach to software development. By enabling organizations to upgrade their services one application at a time, it reduces the need for infrastructure overhauls, effectively enabling organizations to do more with less. The Mendix platform is cloud native and allows for containerized applications. This enables organizations to deploy anywhere and scale their apps to any size without redesign.

With the Mendix low-code platform, Atos can support its customers to develop low-emissions applications and thereby contribute to lowering their carbon footprints.

According to the 'Exponential Climate Action Roadmap' laid out by the World Economic Forum, digital technologies could help reduce global carbon emissions by up to 15% – or one-third of the 50% reduction required by 2030 – through digital solutions in energy, manufacturing, agriculture, transportation and traffic management. Through the new agreement, Atos and Mendix will provide those industries with solutions that immediately support their needs for decarbonization.

CIMdata PLM Industry Summary

Atos is already building industry specific solutions based on the Mendix platform to monitor, report, and track real-time energy consumption and carbon emission across 1,800 locations globally.

Using low-code to propel legacy systems into a digital-first economy

“We are pleased to build on Siemens’ long-standing relationship with Atos and create high-value services that will further support hyper-automation and decarbonization in enterprises. With a strong background in application modernization, Atos has the expertise to establish a clear roadmap to modernize legacy applications and systems. This is crucial for enterprises seeking to rebuild or replace their legacy systems. Our low-code platform and Atos’ expertise are perfectly suited to accelerating that transformation,” said **Tim Srock, CEO, Mendix**. *“Through this partnership with Mendix, Atos will help organizations streamline processes, reducing the total cost and time required to change or improve their application development systems.”*

Speaking about the partnership, **Rakesh Khanna, Head of Digital at Atos** said, *“As we operate within today’s fast-paced digital landscape, this partnership will allow us to capitalize on the Mendix low-code platform to offer unique services that rapidly adapt and respond to our clients’ market changes and opportunities, across all the industries we serve. We are confident this extension to our existing partnership with Siemens will bolster our joint commitment to create innovative solutions for enterprises looking to accelerate their digital transformation initiatives.”*

While enterprises continue to undergo rapid transformation as they digitalize business processes and operations, increasing economic sectors and industries are seeking IT solutions to streamline efficiency, optimize resources, and increase revenue. With the help of the Mendix low-code platform, organizations can now launch complex, business-oriented digital initiatives without prohibitive investing in extensive technological capabilities and expertise.

OPTITEX PARTNERS WITH DATATEX TO PROVIDE SEAMLESS ACCESS TO 3D ASSETS & TECH PACK VIA THE DATATEX ERP SYSTEM

21 April 2022

Optitex®, a global provider of integrated end-to-end 2D & 3D CAD/CAM software solutions for the fashion, transportation seating, and furniture industries, announced their collaboration with Datatex, a world’s leading supplier of IT software solutions for the global textile and apparel industry.

The new partnership with Datatex, added to Optitex’s rapidly expanding 3D ecosystem, will enable joint customers to easily access their 3D assets and Tech Pack from the Datatex NOW ERP system, at present, fully integrated with the Optitex O/Cloud platform. O/Cloud-NOW customers will be able to conveniently view their assets as and when needed, from the product development stage, through sales and planning stages, and all the way to the shopfloor. Joint Optitex-Datatex customers who have tested the new O/Cloud-NOW ERP integration, report positive results and improved visibility into their product management process.

Datatex’s software suite, NOW (Network Oriented World) ERP, is a management software, composed of innovative functions and modules, that help textile and fashion companies manage, optimize and control their planning and scheduling, backed by accurate costing functionalities to meet their specific needs, and fully integrated with shopfloor measuring systems and machinery.

Amir Lehr, CEO of Optitex, said, “It’s market-leaders like Datatex who share our strong commitment to supporting customers on their digital transformation journey. The new integration will undoubtedly enhance our customers’ design-to-production process, with the planning, scheduling, and costing tools they need to deliver quality products on time, and on budget. Datatex is an important addition to our

CIMdata PLM Industry Summary

powerful partner ecosystem, that enables us to truly serve our customers end-to-end. This is achieved by delivering the richest product data throughout the process, and a variety of tools that take our customers from quick 3D design, all the way to meticulous pattern perfecting, and up to costing and nesting.”

“We are proud to partner with Optitex, give our joint customers a unique opportunity to accelerate their design and development processes, and take their ready garments straight to market,” said Ronnie Hagin, CEO of Datatex. “We were pleased to discover that integration with the Optitex cloud platform was fast and seamless. It will undoubtedly lead us to explore partnership opportunities with additional Optitex tools.”

SAP Plans Russia Exit

19 April 2022

SAP remains committed to supporting Ukraine.

We continue to believe that coordinated inter-governmental sanctions offer the best way to end the war in Ukraine, and we have implemented them without exception. In line with our responsibilities as an employer and provider of business-critical software, we have also gone beyond sanctions. For example, we halted sales in Russia and Belarus and are in the process of shutting down all cloud operations in Russia.

Today we are announcing further steps toward an orderly exit from our operations in Russia, where we have operated for more than 30 years and have built an excellent team. As we wind down our operations, we will focus on responsibly managing the impact on these employees.

Cloud Services

The data in data centers belongs to customers, not to SAP. As part of our cloud shutdown, we have therefore given non-sanctioned companies in Russia the choice to have their data deleted, sent to them, or migrated to a data center outside of Russia. For those Russian companies who choose the migration path, we will not renew their contract upon expiration of the current subscription term.

On-Premise Products

We’re also announcing our intent to exit the support and maintenance of our on-premise products in Russia. We are evaluating multiple options to execute this decision, each of which will ensure we continue to honor our obligations to non-sanctioned customers. It is also important to note that regardless of any SAP decision, existing customers in Russia using on-premise software will still be able to use their products.

Humanitarian Aid

Meanwhile our support for the people of Ukraine continues. We recently announced an additional contribution of €700,000 to support refugees in the region, bringing our total contribution to €3.7 million so far. Additionally, SAP software contributions are supporting relief efforts. We recently donated SAP Ariba solutions to an NGO working with the State Enterprise Medical Procurement of Ukraine, which will allow the speedy purchasing of medical goods for the Ministry of Healthcare of Ukraine. We also enabled suppliers on SAP Business Network to declare their readiness to provide humanitarian aid to Ukraine. Some 2,500 companies have already taken this opportunity and offered their assistance through the platform.

Our hearts and hopes are with the people of Ukraine. More than anything, we want this war to end. Until then, SAP will continue to help those affected and encourage the restoration of peace.

ServiceNow EMEA Creator Workflow Partner 2022

14 April 2022

We delivered consistent performance in meeting agile customer challenges

T-Systems announced that it has been recognized as the 2022 ServiceNow EMEA Creator Workflow Partner of the Year for the partner, who consistently delivered new levels of customer value in low code development. T-Systems leverages Creator Workflows to help customers meet the challenges of our time with agile automation that drives business velocity. This award was presented at ServiceNow's EMEA Partner Awards digital event.

T-Systems recognised as best in class partner for ServiceNow's growth

The ServiceNow Global Alliances and Channel Ecosystem (ACE) organization recognizes the achievements of best-in-class partners, who have contributed to ServiceNow's growth trajectory by driving successful business outcomes for our joint customers. This year's awards are based on partner performance for 2021 by evaluating the following key attributes: revenue contribution/growth, product line expansion, workflow and skill competencies growth, and business innovation with associated digital transformation impact.

Enabling value-driven digital transformation with ServiceNow!

Over the past year, ServiceNow continued to expand its global partner ecosystem by building intimate relationships with partners to support customers seeking help to navigate their digital transformations journeys and adjust to the new world of work. Membership in ServiceNow's partner program has provided us the tools to equip, enable, and be empowered to identify jointly aligned go-to-market initiatives and innovative offerings and solutions which deliver compelling business value for customers and accelerate growth for our ServiceNow business.

Simulations Plus Enters New Collaboration to Advance DDDPlus(TM) Software

21 April 2022

Simulations Plus, Inc., a leading provider of modeling and simulation solutions for the pharmaceutical, biotechnology, chemical, and consumer goods industries, announced a new funded collaboration with a large pharmaceutical company to expand and validate the mechanistic *in vitro* dissolution models for intravitreal injectable formulations within the DDDPlus™ software.

James Mullin , Senior Principal Scientist and lead programmer on DDDPlus, said: "The DDDPlus software is being utilized by numerous companies and regulatory agencies around the globe to support oral drug product development. Recent enhancements to the tool have focused on improvements to the *in vitro* analysis of precipitation kinetics and functionality to help establish drug product specification limits. Through this new collaboration, we will expand into the injectable product space and apply our novel approaches to capture dissolution kinetics within *in vitro* systems designed by our industry partner. We look forward to the fruitful interactions."

"Our team of scientists and programmers have designed unique workflows between DDDPlus and GastroPlus® to advance innovative *in vitro-in vivo* extrapolation (IVIVE) methods for dissolution and precipitation modeling," added Haiying Zhou , Director of Simulation Technologies. "Turning our attention to injectable products, and the special *in vitro* systems used to measure formulation performance, opens new market opportunities for our IVIVE workflows. Like other collaborations, Simulations Plus will own all improvements made to our software programs, and we look forward to sharing these exciting developments with all users to advance model-informed drug development."

TCS to Help Financial Services Firms Accelerate their Growth and Transformation with Microsoft Cloud for Financial Services Solutions

20 April 2022

Tata Consultancy Services (TCS), the largest provider of IT services to the banking, financial services, and insurance (BFSI) industry worldwide, announced that it is now a Microsoft Cloud for Financial Services partner.

TCS will combine its deep industry knowledge and experience as a leading transformation partner for BFSI clients, with its Microsoft Cloud for Financial Services solutions, and its large talent pool of Microsoft-certified consultants to enable clients to innovate, and reimagine their businesses to meet evolving market, customer and regulatory needs.

TCS' multi-horizon cloud transformation roadmap first entails helping clients build a new future-ready cloud-based digital core that enhances agility and resilience. Subsequently, the company helps them harness cloud-native capabilities around AI, IoT and other technologies to launch new and innovative products and services, create new revenue streams, embrace new business models, create differentiated customer experiences, and drive growth.

Clients can significantly scale up and speed up their innovation initiatives by partnering with TCS and leveraging its co-innovation ecosystem of start-ups and academia. To facilitate ideation, rapid prototyping, and agile development of innovative ideas, TCS has invested in a network of co-innovation hubs called TCS Pace Ports™, spread across Tokyo, Amsterdam, New York, Pittsburgh, and Toronto.

In addition, TCS will make its vast portfolio of cloud-based solutions and accelerators available on Microsoft Azure to help customers gain faster time-to-market and drive superior business outcomes. These include TCS BaNCST™ cloud (SaaS) business solutions for financial services, which are listed on the Azure Marketplace, TCS Digital Mortgage solutions, TCS Environmental, Social, and Governance Insights, and TCS Customer Knowledge platform.

The Microsoft Cloud for Financial Services integrates Microsoft Azure with Microsoft 365, Microsoft Dynamics 365, and Microsoft Power Platform, underpinned by an industry data model, with new capabilities unique to the financial services industry.

“Today, an increasing number of BFSI firms are harnessing the power of cloud to future-proof their businesses, achieve operational excellence and agility to create unmatched experiences,” said **K Krithivasan, Business Group Head, Banking, Financial Services, and Insurance, TCS**. *“We believe this expanded partnership will help our BFSI clients accelerate their transformation agenda with Microsoft Cloud for Financial Services and allow them to achieve greater resilience, adaptability and purpose-led growth.”*

“Strategic partners like TCS are instrumental to the scalability of Microsoft Cloud for Financial Services, delivering solutions that help customers realize business transformation,” said **Bill Borden, Corporate Vice President, Worldwide Financial Services, Microsoft**. *“We look forward to continued collaboration with TCS to deliver future-first financial services solutions that enable new business models, create new revenue streams and support differentiated customer experiences.”*

This news comes on the heels of TCS' recent announcement that it is a Microsoft Cloud for Retail partner, delivering intelligent retail solutions to its customers.

TCS' Microsoft Business Unit works with customers worldwide to accelerate their multi-horizon cloud transformation journeys. The company's large and growing pool of functional and technical consultants have led some of the biggest IT transformation programs and pioneered technology initiatives for over

CIMdata PLM Industry Summary

100 clients in the financial services industry. TCS is a Microsoft Gold Partner and recently won the 2021 Microsoft Partner of the Year Awards for Azure Intelligent Cloud in France and the Dynamics 365 Field Service in the US. It was also named Microsoft Azure Expert Managed Service Partner for its expertise in delivering the highest quality of service on Azure.

Touchplan Announces New Collaboration with Genda

19 April 2022

Touchplan, an award-winning collaborative construction planning solution, announced a new collaboration with Genda. This on-site construction data tool allows management teams to better manage specific tasks happening on site.

The relationship allows Touchplan and Genda to better serve their customers via collaboration around jobsite planning and the status of specific daily tasks.

“We are excited to partner with Touchplan to help General Contractors make sure that what they are planning is *really* happening in the field.” Erez Dror, CEO and Co-Founder of Genda stated, “This partnership is an important milestone in our mission to provide an all-around solution for our clients, making sure everything is integrated, and they don’t need to re-enter information.”

“Our partnership with Genda will allow contractors to plan work, do work, check the work, and take necessary next steps to make corrections,” said Touchplan Chief Revenue Officer Jimmy Suppelsa. “The combination of Touchplan and Genda allows project managers to actualize how they check their work and get the correct data to ensure project certainty.

Touchplan Forms Marketing Collaboration with Builthink Consultants

20 April 2022

Touchplan, an award-winning collaborative construction planning solution, announced a marketing partnership with Builthink Consultants to promote Touchplan’s technology to owners, contractors, and specialty trade companies in Canada.

“As more construction firms around the world turn to Touchplan’s Construction Planning Software to improve project certainty and profitability, we are excited to partner with firms like Builthink that can show the value Touchplan brings to construction firms outside the United States,” said Jimmy Suppelsa, Chief Revenue Officer for Touchplan. “Builthink consults on all types of construction projects and will be a valued partner that can help educate the Canadian construction market about the risks and costs of not investing properly in Construction Planning Software such as Touchplan.”

“As construction firms try to deal with the challenging project landscapes and evolving market needs, the industry needs software solutions like Touchplan that reduce risks caused by unwanted delays from rework and missed handoffs which directly impact a project’s profitability. We are thrilled to partner with Touchplan to improve project certainty and profitability for our mutual customers.” Says Louis Parent, President of Builthink.

Touchplan Reaches 50,000 Users

21 April 2022

Touchplan, an award-winning collaborative construction planning solution, announced that it surpassed 50,000 all-time users this month.

Touchplan’s innovative daily project planning and analytics platform is trusted by design and

CIMdata PLM Industry Summary

construction professionals around the world. To date, more than 3,300 project teams have used Touchplan successfully to optimize the delivery of more than \$55.4 billion in construction.

“We are grateful to our customers who have trusted Touchplan to improve project certainty with our easy-to-use construction planning software,” said Chief Revenue Officer Jimmy Suppelsa. “We look forward to continuing to provide solutions that make project outcomes more predictable and profitable.”

The milestone is a testament to the fact that more and more construction firms around the globe are turning to Touchplan’s innovative solution to seamlessly manage their construction projects and foster better communication and collaboration.

“When we started Touchplan back in 2013, we knew the construction industry was at a turning point and ready to embrace collaborative planning technology. We focused our efforts on developing a superior product for field personnel,” said Touchplan’s Michael Sullivan. “It’s been amazing to see our product evolve and grow over the years and attain this level of acceptance by the industry.”

Trimble and Infotech Expand Collaboration to Improve Inspection Process Efficiencies for Civil Infrastructure Projects

19 April 2022

Trimble and Infotech® announced an enhanced collaboration to improve the inspection process for civil infrastructure projects. Through the connection of Trimble® Access™ field software and Infotech’s Appia® service, the software integration streamlines the workflow from survey to construction to provide high-accuracy measurement workflows for daily work reports and inspection reporting for inspectors in engineering, construction and local public agencies.

Simplified Field-to-Office Inspection Solution with Survey-Grade Accuracy

Traditionally, inspectors manually transcribe their measurements. By streamlining the connection between data collected by Trimble GNSS rovers and simultaneously syncing Trimble Access, Infotech MobileInspector® and Infotech Appia, inspectors can now complete their daily work reports more efficiently in the field for their item quantity measurements and reduce errors by removing manual processes.

“This powerful solution digitizes the construction inspection process for architecture, engineering, AEC consulting firms and local public agencies by connecting office to field,” said Stephanie Michaud, strategic marketing manager, Trimble Surveying & Mapping Field Solutions. “By creating a complete digital delivery tool for construction inspection, we remove barriers of siloed data from multiple sources through the unification of inspection processes.”

This integration drastically advances inspection measurement workflows by giving inspectors the capability to accurately represent the infrastructure asset. This streamlines the asset management lifecycle workflow of digital as-built models for infrastructure projects.

“Maximizing field productivity and decreasing the number of steps to capture accurate data is a critical component of digital project delivery,” said Chad Schafer, vice president of Revenue at Infotech. “This expansion of our collaboration with Trimble allows field inspectors to easily capture crucial daily report data and securely sync that data with our Appia construction management system. This solution decreases project delivery time by sending accurate daily work reports, which ultimately supports the contractor payment and verifies digital as-builts.”

“With the signing of the Bipartisan Infrastructure Law and a significant portion of our infrastructure reaching the end of its expected life, the demand for infrastructure renewal and asset management is

CIMdata PLM Industry Summary

higher than ever,” said Cyndee Hoagland, senior vice president, Trimble Public Sector. “This integrated solution will help AEC firms and local public agencies more accurately manage infrastructure assets digitally by bringing GNSS measurement capabilities and removing the need for manual work. Today’s announcement demonstrates how technology can help agencies to improve contract management and tracking of funding as well as accelerate payments to contractors. All of which will become even more important as we revitalize our US infrastructure.”

Wipro Appoints Satya Easwaran as Country Head, India

18 April 2022

Wipro Limited, a leading global information technology, consulting and business process services company, announced the appointment of Satya Easwaran as the Country Head for India.

Satya will be in charge of strengthening Wipro’s business in India across key industry sectors through strategic consulting, transformation and modernization engagements. He will help clients leverage Wipro’s capabilities and investments in Cloud, Digital, Engineering R&D, Data/Analytics and Cybersecurity to succeed in their business and digital transformation initiatives.

Satya has global work experience driving end-to-end business transformation programs for leading enterprises in different sectors. Prior to joining Wipro, Satya was the Head of Business Consulting and the Telecom, Media & Technology (TMT) Sector Leader at KPMG India. In his tenure at KPMG, in India and the United States, and at Accenture India, Satya has held multiple leadership positions in management consulting with a focus on Software-as-a-Service (SaaS), cloud, digital, strategy and transformation.

“India is a strategic market for Wipro and I am excited to welcome Satya to champion our bold ambition for growth and leadership here. Satya’s rich international experience in delivering high-value consulting services, and his track record of building successful sales and leadership teams will help strengthen Wipro’s positioning as a trusted partner for Indian clients”, said **Anis Chenchah, CEO of APMEA (Asia Pacific, India, Middle East and Africa) and member of the Wipro Executive Board.**

“I am honoured to be a part of Wipro and lead this strategic geography. India is experiencing significant technology-led shifts and a growing demand for specialized skills and innovation – all of which present us with exciting opportunities to strengthen our partnerships with clients and deliver value to our ecosystem. I look forward to contributing towards Wipro's leadership in the India market,” said **Satya Easwaran.**

Satya holds an Engineering degree in Electronics from Mumbai University, and a MBA in Finance and International Business from the Leavey School of Business, Santa Clara University. He is based in Mumbai.

Event News

Simulations Plus to Present at the Berenberg Discover AI Seminar

19 April 2022

Simulations Plus, Inc., a leading provider of modeling and simulation software and services for pharmaceutical safety and efficacy, announced that management will be participating in the Berenberg Discover AI Seminar at The Newbury Boston in Boston, Massachusetts, on April 26, 2022.

Shawn O’Connor, chief executive officer, will be participating in one-on-one meetings throughout the

CIMdata PLM Industry Summary

day. For more information about the Berenberg Discover AI Seminar, please visit the conference website or contact Brian Siegel from Hayden IR at brian@haydenir.com. The company's slide presentation will be available on the Investors page of the Simulations Plus website.

About Simulations Plus

Serving clients worldwide for 25 years, Simulations Plus is a leading provider in the biosimulation market providing software and consulting services supporting drug discovery, development, research, and regulatory submissions. We offer solutions that bridge machine learning, physiologically based pharmacokinetics, quantitative systems pharmacology/toxicology, and population PK/PD modeling approaches. Our technology is licensed and applied by major pharmaceutical, biotechnology, and regulatory agencies worldwide.

Environmental, Social, and Governance (ESG)

We focus our Environmental, Social, and Governance (ESG) efforts where we can have the most positive impact. To learn more about our latest initiatives and priorities, please visit our website to read our ESG Report

The MIC 2022 – Re-connecting the CAD/CAM Industry

20 April 2022

ModuleWorks' mission to provide the best toolpath and simulation technology in the world is embedded in a desire to advance the entire CAD/CAM industry. Therefore CAD/CAM experts and innovators are invited to the ModuleWorks Insider Conference (MIC) every other year. But despite the atmosphere of anticipation, the events of the last two years with the corona crisis and conflicts in Ukraine with the ensuing new restrictions on international relations and freedom of movement make us look more closely at the things we previously took for granted, such as the importance of personal interaction.

Business, like any other part of life, relies on personal contact and exchange. While the world was never perfectly at peace, the recent events certainly are a break with what we consider – or rather considered – normal. The ModuleWorks Insider Conference was initiated as a platform for connection and exchange between CAD/CAM experts before viruses and conflict were the major concern. This puts the current restart into perspective.

Since the 1980s and the arrival of affordable desktop PCs, the CAM software industry has accelerated the global production of diverse and complex parts for an increasing variety of applications. However, there was never a good opportunity for the key players in the industry to meet and discuss the important topics.

The ModuleWorks Insider Conference was one of the first events that gathered experts from the CAD/CAM industry and brought them together to exchange knowledge and ideas. More specifically, when first launched in 2016, over 50 representatives from the world's leading CAD/CAM software companies came to the MIC to learn about the latest software developments and to discuss the future of the industry. The next conference took place in 2018 and featured guest speakers from Siemens PLM Software, Huron Graffenstaden and Sandvik Coromant. The event planned for 2020 had to be cancelled due to Covid.

Now, two years later, and four years after the last MIC, the conference is restarting and the need for such a restart could not be bigger. This is because the goal of the ModuleWorks Insider Conference is to share information, initiate discussions and enable the industry to adjust if necessary. For ModuleWorks, the conference is first and foremost an important check-in with partners to ask if ModuleWorks really

CIMdata PLM Industry Summary

provides the technology that is needed. With a market share of 75% and more than 500,000 installed seats of software comes the responsibility to detect any obstacles to product development as early as possible, and ideally, to completely avoid them. Thus, the ModuleWorks Insider Conference is meant to be a platform to guide and shape future innovations of CAD/CAM technology.

After the last ModuleWorks Insider Conference had to be cancelled, technological advancement did not stand still. On the contrary, the last two years highlighted the need for large scale manufacturing of diverse parts in an agile and efficient manner. Academic research has even shown that the significance of 3D printing has increased with the ongoing pandemic. Additive manufacturing has been consistently recognized as an important factor in providing fast and affordable medical supplies without requiring contact between humans. It is more generally an important counter measure against stagnant supply chains.

This growth in importance has sparked increased interest in what still needs to be improved. A recent White Paper of the World Economic Forum (WEF) closely examined the successes and challenges of CAD/CAM technology. The proposed calls to action in *An Additive Manufacturing Breakthrough: A How-to Guide for Scaling and Overcoming Key Challenges* (2022) were a reduction in costs through common investments, fostering education and knowledge sharing, the implementation of industry standards, the need for research as well as the need for sustainability and, finally, the need for quality assurance and digitalization of the process chain. These calls for action again prove the ongoing need for improvement in the CAD/CAM industry, even and especially, when considering the growth of the industry.

Correspondingly, the ModuleWorks Insider Conference is designed to address the successes and challenges facing the CAD/CAM industry. It is also the chance to design a roadmap for the future. The planned program includes a variety of guest speakers, a laboratory area to showcase new technology such as the visual twin and a range of presentations. Moreover, participants get the opportunity to meet key people in the CAD/CAM software industry.

In a free and relaxed atmosphere and outside of daily routines, two days can be dedicated to fruitful exchange between CAD/CAM stakeholders. Participants gain important insights into the current state and future perspectives of the technology. In this way, the ModuleWorks Insider Conference allows an informal, yet informative, exchange around fixed topics. These topics include, for example, trends and developments in 3-axis and 5-axis machining and simulation or how toolpath and simulation technology benefits industries beyond the typical CAD/CAM and CNC markets.

This year's restart of the ModuleWorks Insiders Conference will be held in the hope that, after the last turbulent years, the urgently needed exchange between CAD/CAM experts will bring the industry into a better state, so that it can serve the world in the best ways possible.

The MIC will begin on May 31st, 2022 at the Tivoli Business and Event Center in Aachen and end on June 1st, 2022.

Financial News

3D Systems Announces Date of First Quarter 2022 Financial Results

18 April 2022

3D Systems announced it will release its financial results for the first quarter 2022 after the U.S. stock markets close on Monday, May 9, 2022. The company will hold a conference call and simultaneous webcast to discuss these financial results on Tuesday, May 10, 2022, at 8:30 a.m. Eastern Time.

CIMdata PLM Industry Summary

First Quarter 2022 Financial Results Conference Call

Date: Tuesday, May 10, 2022

Time: 8:30 a.m. Eastern Time

Listen via webcast: www.3dsystems.com/investor

Participate via telephone: 201-689-8345

The webcast replay will be available approximately two hours after the end of the conference call at www.3dsystems.com/investor.

Altair Announces Date of First Quarter 2022 Financial Results Conference Call

21 April 2022

Altair, a global leader in computational science and artificial intelligence, will release its financial results for the first quarter ended March 31, 2022, after the market close on Thursday, May 5, 2022. On that day, management will hold a conference call and webcast at 5 p.m. ET to review and discuss the Company's first quarter results and second quarter and full year 2022 outlook. A recorded version of this webcast will be available after the call and accessible at <http://investor.altair.com>.

What: Altair's First Quarter 2022 Financial Results Conference Call

When: Thursday, May 5, 2022

Time: 5 p.m. ET

Live Call: (866) 754-5204, Domestic
(636) 812-6621, International

Replay: (855) 859-2056, Conference ID 4167474, Domestic
(404) 537-3406, Conference ID 4167474, International

Webcast: <http://investor.altair.com> (live and replay)

Bentley Systems to Announce First Quarter 2022 Operating Results; Presenting at Upcoming Investor Conferences

19 April 2022

Bentley Systems, Incorporated, the *infrastructure engineering software* company, announced the date for the release of its first quarter 2022 operating results and its presentations at upcoming investor conferences.

First Quarter 2022 Operating Results

Bentley Systems will release first quarter 2022 operating results, before the market opens, on Tuesday, May 10, 2022.

A live Zoom video webinar of the event can be accessed at 8:15 a.m. EDT that same day through a [direct registration link](#). Alternatively, the event can be accessed from the Events & Presentations page on Bentley Systems' Investor Relations website at <https://investors.bentley.com>. A replay and transcript will be available after the conclusion of the live event on Bentley Systems' Investor Relations website.

Upcoming Investor Conferences

CIMdata PLM Industry Summary

Greg Bentley, chief executive officer, and Werner Andre, chief financial officer, will present at:

- The Nasdaq International Investor Conference at The May Fair Hotel in London, United Kingdom on Tuesday, June 14, 2022.
- The Berenberg Design Software Conference at the Berenberg Offices in London, United Kingdom on Wednesday, June 15, 2022.

Live webcasts and replays of the presentations will be available through Bentley Systems' Investor Relations website. Management will also be available for one-on-one and small group meetings with investors.

FARO to Announce Financial Results for the First Quarter 2022 on April 27, 2022

19 April 2022

[FARO® Technologies, Inc.](#), a global leader in 4D digital reality, announced that after market close on Wednesday, April 27, 2022, it will release its financial results for the first quarter ended March 31, 2022. In conjunction with the release, Michael D. Burger, President and Chief Executive Officer, and Allen Muhich, Chief Financial Officer, will host a conference call on Wednesday, April 27, 2022 at 5:00 p.m. ET.

Interested parties can access the conference call by dialing (866) 518-6930 (U.S.) or +1 (203) 518-9797 (International) and using the passcode FARO. A live webcast will be available in the Investor Relations section of FARO's website at: <https://www.faro.com/about-faro/investor-relations/events>

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

IBM RELEASES FIRST QUARTER RESULTS

19 April 2022

IBM announced first-quarter 2022 earnings results.

"Demand for hybrid cloud and AI drove growth in both Software and Consulting in the first quarter. Today we're a more focused business and our results reflect the execution of our strategy," said Arvind Krishna, IBM chairman and chief executive officer. "We are off to a solid start for the year, and we now see revenue growth for 2022 at the high end of our model."

First-Quarter Highlights

- Revenue
 - Revenue of \$14.2 billion, up 8 percent, up 11 percent at constant currency (over 5 points from incremental sales to Kyndryl)
 - Software revenue up 12 percent, up 15 percent at constant currency (over 8 points from incremental sales to Kyndryl)
 - Consulting revenue up 13 percent, up 17 percent at constant currency
 - Infrastructure revenue down 2 percent, flat at constant currency (over 8 points from incremental sales to Kyndryl)
 - Hybrid cloud revenue:
 - First Quarter: \$5.0 billion, up 14 percent, up 17 percent at constant currency
 - Last 12 months: \$20.8 billion, up 17 percent
- Free Cash Flow

CIMdata PLM Industry Summary

sales to Kyndryl):

- Hybrid Infrastructure down 5 percent, down 2 percent at constant currency (over 8 points from incremental sales to Kyndryl)
 - IBM z Systems down 19 percent, down 18 percent at constant currency
 - Distributed Infrastructure up 5 percent, up 8 percent at constant currency
- Infrastructure Support flat, up 4 percent at constant currency (over 8 points from incremental sales to Kyndryl)
- Infrastructure segment hybrid cloud revenue down 20 percent, down 18 percent at constant currency
- *Financing (includes client and commercial financing)*— revenues of \$0.2 billion, down 26.2 percent, down 24.5 percent at constant currency

Cash Flow and Balance Sheet

On a consolidated basis, in the first quarter, the company generated net cash from operating activities of \$3.2 billion or \$1.6 billion excluding IBM Financing receivables. IBM's free cash flow was \$1.2 billion, which includes cash impacts from the company's structural actions initiated at the end of 2020.

IBM ended the first quarter with \$10.8 billion of cash on hand (which includes marketable securities), up \$3.2 billion from year-end 2021. Debt, including IBM Financing debt of \$12.2 billion, totaled \$54.2 billion, up \$2.5 billion since the end of 2021. The company returned \$1.5 billion to shareholders in dividends in the first quarter.

Full-Year 2022 Expectations

- Revenue growth: The company now expects constant currency revenue growth at the high end of the mid-single digit range. The company also expects an additional 3.5 point contribution from incremental sales to Kyndryl. At mid-April 2022 foreign exchange rates, currency is expected to be a three to four point headwind.
- Free Cash Flow: The company continues to expect \$10 billion to \$10.5 billion in consolidated free cash flow.

L&T Technology Services reports 21% growth in FY22

21 April 2022

L&T Technology Services Limited, India's leading pure-play engineering services company, announced its results for the fourth quarter ended March 31, 2021.

Highlights for Q4FY22 include:

- Revenue at ₹17,561 million; growth of 22% YoY
- USD Revenue at \$232 million; growth of 19% YoY in constant currency
- EBIT margin at 18.6%; up 200 bps YoY
- Net profit at ₹2,620 million; growth of 35% YoY

Highlights for FY22 include:

- Revenue at ₹65,697 million; growth of 21%
- USD Revenue at \$880 million; growth of 20% in constant currency
- EBIT margin at 18.3%; up 380 bps
- Net profit at ₹9,570 million; growth of 44%

CIMdata PLM Industry Summary

- Final dividend of ₹15 per share recommended by the Board

During the quarter, LTTS won a USD 100 million plus deal, a USD 25 million plus deal and 4 other deals with TCV of USD 10 million plus. Revenues from digital and leading-edge technologies stood at 57% during the quarter.

“We achieved several milestones in FY22 – a dollar revenue growth of 20% in constant currency, record high operating margins, and more than three-fold increase in patents filed by our engineers. Our growth was broad based with all five segments growing in double digits and showing an improvement in operating margins.

We are making very good progress across our six bets; in Q4, we won a \$100mn plus deal in the EACV space - being chosen as the strategic engineering partner for a new age electric VTOL (Vertical Takeoff and Landing) aircraft program. With this deal, we have been able to extend our EACV success at Auto and Trucks & Off Highway segments, to Aerospace, reflecting our multi-domain engineering expertise.

Our team of around 20,000 engineers are excited about partnering with companies to herald new and breakthrough innovations. As we start a new fiscal, I am confident of our capability preparedness to capture greater mindshare and continue being the engineering partner of choice to the top ER&D companies globally”, said **Amit Chadha, CEO & Managing Director, L&T Technology Services Limited.**

Awards & Recognitions

- LTTS recognized as a *Partner-level Supplier & Supplier of the Year*, in John Deere’s 2021 Achieving Excellence Program
- 2022 U.S. BIG Innovation Awards recognized LTTS in *Top Innovative Product of the Year* category for its Point-of-Care Sepsis solution
- The 12th Aegis Graham Bell Awards honored LTTS in the *Innovation in Cybersecurity* category
- US-based Business Intelligence Group recognized LTTS as one of the *Best Places to Work*
- LTTS won Gold in BW Recycle: Recycling for a Greener Tomorrow Award 2022 for its *Solid Waste Management Program*

Patents

At the end of Q4FY22, the patents portfolio of L&T Technology Services stood at 868, out of which 605 are co-authored with its customers and the rest are filed by LTTS.

Human Resources

At the end of Q4FY22, LTTS’ employee strength stood at 20,861.

LTI FY22 Revenue at USD 2.1 billion, growth of 25.9% Q4 FY22 USD Revenues up 27.5% YoY

19 April 2022

Larsen & Toubro Infotech, a global technology consulting and digital solutions company, announced its Q4 FY22 and full year FY22 results.

Q4 FY22

In US Dollars:

- Revenue at USD 570.4 million; growth of 3.1% QoQ and 27.5% YoY
- Constant Currency Revenue growth of 3.6% QoQ and 29.0% YoY

CIMdata PLM Industry Summary

In Indian Rupees:

- Revenue at INR 43,016 million; growth at 4.0% QoQ and 31.6% YoY
- Net Income at INR 6,375 million; growth of 4.1% QoQ and 16.8% YoY

Full year FY22

In US Dollars:

- Revenue at USD 2,102.5 million; growth of 25.9% YoY
- Constant Currency Revenue growth of 25.8% YoY

In Indian Rupees:

- Revenue at INR 156,687 million; growth at 26.7% YoY
- Net Income at INR 22,985 million; Net Income growth at 18.6% YoY

Capital Return

- Final Dividend of INR 30 per share; Dividend pay-out ratio of 41.9% for the year
- ROE of 28.5% for the year

“We are delighted to cross the USD 2 billion revenue milestone with record growth of 26% in FY22, our strongest since listing. Our growth has been broad-based across verticals, service lines, client buckets and geographies. The year has seen the highest new client openings and net headcount additions.

In Q4 FY22, we won 4 large deals with net new TCV of over USD 80 million. Our deal pipeline continues to be robust, and we remain confident of maintaining industry leading growth in the coming year as well.”

– Sanjay Jalona, Chief Executive Officer & Managing Director

Recent Deal Wins

- Selected by a Global Fortune 500 financial services company for an end-to-end managed services engagement involving transformation, governance and support for middleware and data as part of their global technology function
- A Global Fortune 500 corporation, a leading provider of ratings, benchmarks, analytics and financial data, has selected LTI as its primary partner for an engagement involving data and digital services to integrate its data platforms with its recent acquisition
- Selected by a Global Fortune 500 consumer goods company as their strategic partner for data and analytics work to transform and gain insights across their most critical business functions of manufacturing, supply chain, marketing and creation of a metadata hub
- Engaged by a key government body in the public healthcare space to develop an eco-system and technology infrastructure providing, storing and improving access to relevant public data and supporting public health insurance programs
- Selected by a large metals and mining company for an ERP managed services engagement involving key business modules like transportation management, technology, customer and supplier engagement across its legal entities and over 40 operating units
- Selected by a property and casualty insurance provider based in North America to integrate core systems and financial data for multiple lines of business across numerous subsidiaries into a

CIMdata PLM Industry Summary

centralized enterprise data warehouse

- A top healthcare provider in the Middle East has selected LTI, through its strategic partnership with a regional leader, for support on its security and network operation center
- A large bank has selected LTI to revamp its website to cover all aspects of a digital experience, hosting in cloud and maintenance
- A global financial services company in Europe has selected LTI to outsource its client servicing desk and build a digital workspace for its employees
- Selected by a Global Fortune 500 corporation engaged in the supply of IT infrastructure products and services to upgrade its SAP S/4HANA ERP platform
- Selected by a global security services firm to set up a digital command center to monitor Infrastructure and network, and ensure minimal disruption
- Selected by a North American utility company to manage core applications and operations' systems to ensure streamlining of SLAs and adherence to business KPIs, reduction of costs and efficiency in operations

Other Business Highlights

- The Board of Directors at its meeting held on April 19th, 2022 have recommended a final dividend of INR 30 per equity share (Face value of INR 1) for the financial year 2021-22. Total dividend for FY22 is INR 55 per equity share, including the interim dividend of INR 15 and special dividend of INR 10 per equity share declared in October 2021 and July 2021 respectively
- LTI has been ranked 22 among the top 25 most valuable IT services brands in the Brand Finance IT Services 25 2022 ranking
- LTI CEO, Sanjay Jalona adjudged the Best CEO 2022 in the IT/ITES category, by Business Today
- LTI received Gold recognition from EcoVadis for ESG practices including environment, labor and human rights, ethics and sustainable procurement
- Optic by Fosfor Named “Data Catalog Solution of the Year” in 2022 Data Breakthrough Awards
- LTI Expands its Presence in the USA with a New Engagement Center in Hartford, CT

Procore Announces Timing of First Quarter Fiscal Year 2022 Earnings Call

13 April 2022

Procore Technologies, Inc., a leading global provider of construction management software, today announced that it will report its first quarter fiscal year 2022 financial results after the U.S. financial markets close on Wednesday, May 4, 2022.

In conjunction with this announcement, Procore will host a conference call on Wednesday, May 4, 2022 at 2:00 p.m. Pacific Time to discuss Procore's financial results and financial guidance. To access this call, dial (844) 200-6205 (domestic) or (929) 526-1599 (international). The conference ID number is 315634. A live webcast of this conference call will be available on the Investor Relations page of Procore's website, <http://investors.procore.com>, and a replay will be archived on the website as well.

Rockwell Automation to Report Second Quarter Fiscal 2022 Results

19 April 2022

Rockwell Automation, Inc. is scheduled to report its second quarter fiscal 2022 results on Tuesday, May 3, before the market opens. The release will be posted on the Rockwell Automation Investor Relations website at www.rockwellautomation.com/en-us/investors.html.

A conference call to discuss the quarterly results will be held at 7:30 a.m. CDT on May 3. This call will be audio webcast and accessible on the Rockwell Automation website. Presentation materials will also be available on the website prior to the call.

Interested parties can access the conference call by dialing the following numbers: +1 (888) 330-2022 in the U.S. and Canada; +1 (646) 960-0690 for other countries. Use the following passcode: 5499533. Please dial in 10 minutes prior to the start of the call.

Both the presentation materials and a replay of the call will be available on the Investor Relations section of the Rockwell Automation website through June 3.

Sandvik - Interim report first quarter 2022

20 April 2022

First quarter 2022

5TH CONSECUTIVE QUARTER WITH DOUBLE-DIGIT GROWTH IN ORDERS

Continuing operations

- Order intake SEK 30,474 million (22,206)
- Order intake growth, at fixed exchange rates 30%
- Revenues SEK 24,921 million (18,528)
- Revenue growth, at fixed exchange rates 27%
- Adjusted EBITA SEK 5,043 million (3,960)
- Adjusted EBITA margin 20.2% (21.4)
- Adjusted EBIT SEK 4,730 million (3,859)
- Adjusted EBIT margin 19.0% (20.8)
- Adjusted profit before tax SEK 4,431 million (3,592)
- Profit for the period SEK 3,395 million (2,885)
- Adjusted profit for the period SEK 3,402 million (2,812)
- Earnings per share, diluted SEK 2.70 (2.29)
- Adjusted earnings per share, diluted SEK 2.71 (2.24)
- Free operating cash flow SEK 2,292 million (2,830)

SAP Announces First Quarter 2022 Results

22 April 2022

SAP SE announced its financial results for the first quarter ended March 31, 2022.

SAP Announces Q1 2022 Results With Continued Cloud Momentum

CIMdata PLM Industry Summary

- Cloud revenue growth further accelerates, up 31% and up 25% at constant currencies
- Current cloud backlog approaches €10bn, up 28% and up 23% at constant currencies
- SAP S/4HANA cloud revenue significantly increases, up 78% and up 71% at constant currencies. SAP S/4HANA current cloud backlog expands even faster, up 86% and up 79% at constant currencies
- SAP reaffirms 2022 outlook for revenue, non-IFRS operating profit and free cash flow

“Customers powered another quarter of strong cloud growth as they turned to us for solutions to make their businesses more sustainable, their supply chains more resilient, and their enterprises more future-proof. Our signature ERP offering SAP S/4HANA grew at record levels demonstrating the confidence customers place in us to support their business transformations.”

Christian Klein, CEO

“We are off to a solid start to the year and our outlook remains strong. Despite the current macroeconomic environment, cloud revenue growth accelerated further, fueling total revenue growth. Current cloud backlog grew at a healthy rate and continues to support our confidence in our long-term plans and outlook for the year.”

Luka Mucic, CFO

[Read the Q1 2022 Quarterly Statement](#)

Stratasys Conference Call to Discuss First Quarter 2022 Financial Results

18 April 2022

Stratasys Ltd. will release financial results for the first quarter ended March 31, 2022, on Monday, May 16, 2022. The Company plans to hold the conference call to discuss its first quarter 2022 financial results on Monday, May 16, 2022, at 4:30 p.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://services.choruscall.com/mediaframe/webcast.html?webcastid=QiDdBAQK>

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

‘THE GREAT.’ Makes Great Strides Toward Efficiency with Centric PLM™

20 April 2022

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

Based in Los Angeles, California, THE GREAT. was formed in 2015 by Emily Current and Merritt Elliott. Known for their authentic and optimistic approach to both design and life, their journey as

CIMdata PLM Industry Summary

entrepreneurs, brand builders, stylists and designers, has led them to their most proud achievement to date—a fully realized women’s collection, aptly called, The Great. The brand is sold in over 200 of the world’s finest retailers, at thisisthegreat.com, and at their flagship stores in West Hollywood and Abbot Kinney.

Kelvin So, Financial Controller at THE GREAT., describes the product development process. “Right now, most of the product development work is in Excel or Illustrator. The design and pre-production team works on a style, and then they input the information into our ERP. Based on my previous experience, we needed a PLM that was suitable for apparel and would integrate seamlessly with our ERP.”

THE GREAT. looked at several PLM vendors but ultimately selected Centric. “We like what Centric offers, especially the line sheet and picture scanning features which are really useful for us. We take a lot of photos that we need to then upload separately in different places. But with Centric we can use the app which ties the photos back to each SKU so that’s really helpful,” says So. He also mentions the benefits of suppliers entering costs through the vendor portal, and of course, the visibility into costing detail. “I can customize my dashboard and see the information I need in a few clicks.”

The expectation once PLM is implemented, is to be able to find the right information, the right numbers and have real-time data. Cooperation among team members and with vendors should be improved. So says, “When everything is centralized and teams are working on the same system, any changes or updates are captured. We can run a report on certain data and since everything is in one place, anyone has access to it. Information can be translated, edited, communicated on a timely basis.”

Chris Groves, President and CEO of Centric Software says, “I am pleased that THE GREAT. has selected Centric PLM for their product development. THE GREAT. is a company led by experienced fashion veterans. I am confident their need for efficiency will be fulfilled by Centric PLM and look forward to seeing their continued growth trajectory.”

AISIN selects Siemens’ Capital VSTAR for AUTOSAR electronic control unit development

20 April 2022

Siemens Digital Industries Software announced today that AISIN Corporation, a component supplier to many of the world’s largest automotive original equipment manufacturers (OEMs), has expanded its investment in Siemens’ Capital™ VSTAR software portfolio.

Capital VSTAR is Siemens’ implementation of the AUTOSAR standard, the foremost specification for the development of automotive embedded software and a key enabler for generative software development. AUTOSAR provides development partners a common standard to integrate, re-use and transfer functions within a vehicle’s E/E (electrical/electronic) architecture, which can substantially improve software development efficiency. AISIN uses Siemens’ Capital VSTAR software to develop and integrate electronic control units (ECUs).

“Siemens’ dedication to AISIN’s success is reinforced by our continued commitment to use the Capital toolchain and Capital VSTAR solutions in key projects for our most important customers,” said AISIN’s technical leader for software platforms. “We selected Siemens once again because the Capital software portfolio meets the very specific needs of AISIN, our development partners and our customers. Using Capital also helps us to standardize on a single vendor, which simplifies relationships and streamlines processes.”

AISIN previously secured full approval from a leading Japanese OEM to use the Siemens’ VSTAR

CIMdata PLM Industry Summary

technology portfolio in the carmaker's vehicle programs. Capital VSTAR technology enables continuous integration workflows, which are critical to successful automotive software development for next-generation cars. Capital also provides a common solution and standard for multiple OEMs, in turn providing cost savings and streamlining development cycles for the design of next-generation ECUs. From requirements through to delivery, Siemens' comprehensive VSTAR AUTOSAR solution helps Siemens' customers produce compelling and highly differentiated ECUs on schedule.

"Siemens is pleased to continue our very productive partnership with AISIN," said Henrik Olsén, product director for the IES division of Siemens Digital Industries Software. "We look forward to helping AISIN continue to succeed with many of their most innovative and compelling upcoming projects."

Siemens is an AUTOSAR Premium Partner and a significant contributor to the growing standard through the Capital VSTAR product family.

AKVA Group Standardizes on Infor CloudSuite Platform

21 April 2022

Infor, the industry cloud company, announced that AKVA Group ASA (Oslo Børs: AKVA), a worldwide supplier of advanced solutions and services to the aquaculture industry, has chosen Infor CloudSuite Industrial Enterprise to help improve collaboration and workflow internally, while helping to strengthen the delivery capability of solutions and services for customers in both land-based and sea-based fish farming. AKVA Group will use this manufacturing ERP and digital operations platform to connect their engineering processes, deliver enhanced customer configuration and quoting, and optimise operations through supply chain, production, and delivery.

"In recent years, AKVA Group has acquired several companies that have helped to strengthen the company's position in the market. At the same time, this has meant we have multiple enterprise resource planning (ERP) systems in the group, which makes business-critical processes less efficient. Therefore, we have carried out a thorough review process with several ERP suppliers, where Infor presented the best solution proposal with a platform for digitization, which also covers our needs and requirements for security and stability," says Ronny Meinkøhn, CFO of AKVA Group.

"We are pleased that AKVA Group has chosen Infor's industry-specific ERP solution. The decision confirms that Infor offers the market's most modern multitenant cloud ERP solution with functionality relevant to AKVA's industry needs," says Erlend Skaar-Olsen, Infor country manager for Norway.

Standard cloud solution meets the needs

AKVA Group leaders see it as an advantage to choose a standardized cloud solution with a rich platform for further digitization which covers not only traditional manufacturing ERP but extends into deep, end to end capability putting the customer at the centre. It provides flexibility to use industry-specific functionality to meet today's requirements while providing security to be able to grow with the solution and activate additional functionality when new needs arise in the future.

"The result of our preliminary project showed that more than 90% of AKVA Group's business processes are covered as standard in Infor's CloudSuite Industrial Enterprise solution. The rest is solved with the use of the built-in integration engine and tools to enrich the solution, whilst not hindering future upgrades. This means a more efficient implementation and lower risk when most of the solution can largely be adopted out of the box," says Skaar-Olsen.

Important part of the digitalisation journey

CIMdata PLM Industry Summary

AKVA Group is present in all aquaculture markets, with offices in Norway, Chile, Denmark, Scotland, Spain, Greece, Lithuania, Canada, Australia, China, and Turkey, and delivers everything from individual components to services and complete solutions.

“The transition to a common cloud-based ERP platform is a business-critical part of our digitalisation journey, where we have clear expectations that this will both help improve interaction and information flow internally, and also to improve delivery capability and precision to our customers,” Meinkøhn points out.

The solution is expected to be launched by the first quarter of 2023 and include 1,500 users. The 10-year SaaS agreement is valued at NOK 100 million.

BARK Unleashes its Potential with NetSuite

20 April 2022

BARK, the world’s most dog-centric company devoted to making all dogs happy, is using Oracle NetSuite to support its commitment to create the world's best products and experiences to satisfy each dog's distinct personality and preferences. With NetSuite, BARK has been able to take advantage of an integrated business platform to streamline financial and inventory management as it has expanded its product offerings, scaled operations, and successfully navigated becoming a publicly traded company.

Founded in 2012 as a monthly subscription service for dog treats and toys, BARK has grown to become a leading pet brand, servicing over 6.5 million dogs in the United States. As BARK expanded its products, services, and distribution channels, its existing system based on manual processes was creating inefficiencies. It could not deliver the automation or insights required, and it didn’t have the inventory management system needed to effectively manage BARK’s complex inventory processes and track movements across its warehouses and third-party logistics. To address these needs and establish a platform to support its future growth, BARK replaced its existing system with NetSuite.

“Our company has always had big ambitions, and when the pandemic hit, customer demand for our services skyrocketed,” said Howard Yeaton, CFO of BARK. “NetSuite’s integrated platform has allowed us to make data-driven decisions as we expand our product offerings and has also helped meet the increasing demand of our subscription and ecommerce channels. We also gained the financial reporting capabilities needed to meet our obligations as a public company, which would have been impossible on our previous system.”

With NetSuite, BARK has been able to unify financials, order management, purchasing, warehouse management, and inventory management on a single cloud system. NetSuite has helped BARK optimize financial processes by providing real-time reporting and forecasting capabilities as well as a powerful valuation and audit process that helps BARK meet the reporting requirements of a publicly traded company. NetSuite also helped BARK gain complete visibility into its sales pipeline, cash flow, and actual spend, and enabled BARK to close its books 50 percent faster, giving investors’ further confidence in its financial health.

In addition, NetSuite helps BARK manage its biggest and most complex processes, manufacturing and inventory management, which includes inbound orders, purchasing, fulfillment, packing, and shipping. Its BARKShop ecommerce platform runs exclusively on NetSuite, and all Amazon sales and inventory data is integrated within NetSuite. Finally, NetSuite supports the newly launched BARK Eats, a dog food subscription business, that runs its inventory, ecommerce, financials, sales, and manufacturing operations through NetSuite.

“BARK’s outstanding customer experience has helped it expand its business from a subscription toy box

for dogs, to a publicly traded omnichannel retailer,” said David Rodman, SVP of Customer Success, Oracle NetSuite. “With NetSuite, BARK has one unified cloud system to manage its entire business and can take advantage of the insights from across its operations to launch new ventures to make dogs and humans happier.”

CHF Industries Selects CGS’s BlueCherry Enterprise Suite for Global End-to-End Supply Chain Management

19 April 2022

CGS, a global provider of business applications, enterprise learning and outsourcing services, announced **CHF Industries, a leading global marketer and manufacturer of bedding, bath, window and home accessory products, has selected the award-winning, industry-leading BlueCherry® Enterprise Suite, along with its business intelligence (BI) module, as its end-to-end ERP, business intelligence and warehousing/logistics solution.**

“CHF is recognized for our cutting-edge product development, creative merchandising, global sourcing, world-class logistics, and exceptional customer service—all of which are major differentiators that further our leadership position in the Home Goods market,” said Spencer Foley, CEO for CHF Industries. “CGS’s BlueCherry suite itself stands above the competition in how it supports those differentiators. Layer on top a team of deep industry experts with a world-class implementation team, and we anticipate this partnership will significantly improve operational efficiencies and actionable business intelligence—helping support new product development and our continued aggressive global expansion.”

The **Home Goods and Furnishings Market is segmented globally** by major product line type (Home Furniture, Home Textile, Flooring, Wall Decor, Lighting and Lamps, Accessories, and Other Home Decor Products). Research and industry analysts report **the market is forecast to grow, from 2021 to 2027 to more than \$202 billion in the United States and more than \$830 billion globally.**

“Demand is coming from multiple sources. Millennials and the younger generation who are moving out of dorms and their parents’ homes and account for nearly 25 percent of this market growth,” said Paul Magel, President for CGS’ Software and IT Services business. “Add to that the trend of homeowners staying put and transforming their current spaces, the need to create more comfortable home office environments for remote and hybrid workers, and the overall global increase in eCommerce purchasing and you’ve got the perfect storm for a company such as CGS and our BlueCherry suite.”

Groupe Chantelle Selects Centric PLM™ to Digitize Product Development and Empower Omnichannel Strategy

18 April 2022

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

Chantelle is a family business created in 1876 and has been owned by the Kretz family since 1900. Today, Chantelle has 4,000 employees worldwide and owns six brands – Chantelle, Passionata, Chantelle X, Femilet, Livera, and Darjeeling. The company has subsidiaries in 16 countries throughout Europe, Asia, Oceania, and North America, and factories in northern Africa, Asia, and France.

CIMdata PLM Industry Summary

Chantelle was facing business challenges within their Digital and Customer Care department. It was clear they needed to improve collaboration between teams worldwide, increase flexibility, speed responsiveness and ensure product availability.

“We had a product data management (PDM) solution for about 20 years, but no PLM. We knew we absolutely had to implement this technology,” says Virginie Diquero, Organization Project Manager at Chantelle. “We needed a more efficient and faster way to transfer images, content and data of our complete collection offer to our sites.”

Chantelle’s existing PDM did not allow them to easily manage collection assortments and they needed that functionality quickly. They were also looking for PLM to provide a foundation for marketing efforts.

Chantelle’s brand teams were working in silos and using tools like Excel and Google Drive to share important business information including budgets, collection plans, merchandizing strategies and more. Centric PLM will be deployed throughout the company across all brands, at the head office in France, in their factories and international commercial subsidiaries.

Choosing Centric PLM was a simple decision for Chantelle. “We have known about Centric for a long time. They are number one in the market and Centric PLM meets our needs for developing collections, marketing presentations and product catalogs and image management, says Diquero. “We want Centric PLM to be with us over the long term.”

Chantelle expects PLM to streamline the product development process, enable more effective control of the material certification process, support planning and improve stock management accuracy. With supply chain challenges such as rising costs and transportation disruptions, PLM will eventually be rolled out to some of Chantelle’s suppliers.

Chantelle products are complex, as each bra model requires more than 80 different materials and is available in approximately thirty sizes. To date, Chantelle has nearly 80,000 active SKUs. Centric PLM will enable Chantelle to better control the entire supply chain.

“Corporate Social Responsibility (CSR) is also a priority for Chantelle,” says Cathy Sellier, Master Data Manager at Chantelle. “We recently created a zero waste, fully recyclable bra, based on the circular economy model and we want to communicate our CSR initiatives more effectively. To do this, we need easier and faster access to data and Centric PLM can help us.”

“Chantelle is an icon in the lingerie sector and we are proud to partner with them on their international omnichannel strategy,” says Chris Groves, President and CEO at Centric Software. “With Centric PLM, Chantelle will be empowered to seamlessly manage supply chains and achieve ambitious CSR goals.”

Idox wins against incumbent provider and bags double deals for print and postal vote support in the forthcoming Scottish elections

20 April 2022

The three Ayrshire Councils and Scottish Borders Council have chosen to partner with Idox for the 2022 council elections in Scotland to be held on Thursday, 5 May to ensure a smooth, efficient voting process for thousands of eligible voters.

As part of the deals, the councils will use Idox’s Postal Vote Management Service (PVMS) and election print services to benefit from a fully managed, end-to-end service including the scanning and verification of 100% of all returned postal votes. The partnerships will see the Idox team provide expertise and support ahead of the upcoming elections, as well as any subsequent and unexpected snap

CIMdata PLM Industry Summary

elections that occur during the contract period.

Idox's PVMS is a managed service that includes hardware, software, project management, and further staff, if required, to scan and verify 100% of returned postal packs and associated postal vote statements. Its scalable and fully integrated system empowers elections teams with greater reliability, speed, unparalleled accuracy, and traceability, as well as enhanced security. With customisable workflows, extensive automation, unrivalled data quality checks and data analytics tools, Idox's PVMS system ensures efficient administration through the election process.

The team at Idox has a strong heritage of supporting elections, with extensive experience in delivering outsourced managed services, overseeing the complexities of each process, and ensuring customers run their elections with complete security and confidence. Idox will manage the intricacies of the print process in future elections for North Ayrshire Council, South Ayrshire Council, East Ayrshire Council and Scottish Borders Council, from consultation and design to printing and distribution, including customisation according to the councils' brand guidelines, as well as guaranteed reassurance that all electoral legislation has been adhered to. This demonstrates the company's ability to support the entire electoral spectrum, reducing local authority workload and delivering democracy in a cost-effective and efficient manner.

Scottish Borders Council commented, "Scottish Borders Council is pleased to be working again with Idox for the forthcoming local government elections, where they will be supporting us with our management of postal votes, as well as providing our election printing. In previous elections, Idox has offered us a reliable and professional service, and we look forward to utilising their expertise once again in May."

Idox won both the deals in February, beating the incumbent provider, Democracy Counts because the councils value reliability, integrity, and speed as the key elements of their elections.

Infor Provides Digital Transformation for the San Manuel Band of Mission Indians

20 April 2022

Infor, the industry cloud company, announced that the San Manuel Band of Mission Indians in California has decided to implement the newest iteration of Infor CloudSuite™ Financials & Supply Management and Infor d/EPM to transform its back-office strategy for growth. By migrating from its current system, San Manuel's entities will be operating with a modern ERP system that will empower finance teams with modern, cloud-based tools, allowing the organization to stay modern and agile for continued growth, all while supporting its ultimate goal of creating unforgettable guest experiences.

After an announcement in 2021 regarding plans for expansion and San Manuel Gaming and Hospitality Authority's (SMGHA) purchase of Palms from Red Rock Resorts, a modern technology system that would help better manage data of its growing portfolio was necessary to help fuel and organize this growth from the start. As an Infor customer the past 18 years, San Manuel trusted that Infor was the right partner to help navigate this move to the cloud and achieve its goal of modernizing core financial applications to transform business operations. As part this digital transformation, San Manuel will utilize Infor CloudSuite applications to streamline processes, in near real time, to help drive adoption, compliance and productivity. With Infor CloudSuite, San Manuel has tools to support productivity, forecast more accurately, and analyze the business more effectively — ultimately gaining greater insight to make more-informed decisions that directly affect bottom-line results and guest interactions.

"We knew Infor was the right partner to help us fuel our growth because of its proven track record and commitment to investing and adding vertical depth to its ERP solutions. They understand the hospitality

CIMdata PLM Industry Summary

industry, our needs for right now and our needs for the future,” said Toni Pepper, San Manuel’s chief information technology officer. “We are very proud of our recent rebrand and expansion plans, and all of the hard work that went into bringing these ideas to fruition. Putting a new technology system in place to automate key tasks was critical so that teams could eliminate administrative burdens and trust the data that was coming to them to make real-time business decisions, so we can put more focus on the guest.”

Specifically, the organization will utilize the Infor applications to take better control of financial operations, improve transparency with advanced analytics, consolidate data from disparate sources, reconcile more effectively, and benefit from increased visibility into activities that impact finances across its growing portfolio. Coupled with its existing Infor HMS (Hospitality Management Solution), San Manuel is uniquely positioned to connect every aspect of operations to the guest experience, creating a seamless journey that will help it meet today’s and tomorrow’s hospitality challenges.

“The hospitality industry is constantly looking for new and innovative ways to deliver personalized experiences without adding administrative burdens,” said Jason Floyd, Infor general manager. “Infor offers a complete, scalable, proven suite of solutions designed specifically to support the hospitality industry. By partnering with us, leading organizations such as San Manuel will be able to keep their businesses running with maximum efficiency, so their teams can put more focus on delivering long-term relationships with guests.”

L&T Technology Services awarded \$100 million+ electric air mobility program from Jaunt Air Mobility

21 April 2022

L&T Technology Services Limited, a global leading pure-play engineering services company, has garnered a multi-year \$100 million+ electric air mobility deal from Jaunt Air Mobility (Jaunt). As part of the contract, LTTS will open an Engineering and R&D Centre in Québec Province for the next-gen electric aircraft manufacturer to provide engineering services for the Jaunt Journey eVTOL (electric Vertical Takeoff and Landing) air taxi.

Under the purview of Jaunt's Urban Air Mobility (UAM) business focus, LTTS will offer global engineering services to support and build the Jaunt Journey. Collectively these will encompass technology areas such as power distribution system, air data management, cockpit display system, flight control system, battery management, electrification, power electronics, structural design, stress analysis, testing, certification, and manufacturing engineering.

Jaunt is rolling out a new generation of sustainable aircraft to meet the growing demand for faster urban and regional travel. The Jaunt Journey takes off like a helicopter and transitions to flying like a fixed-wing plane using patented Slowed-Rotor Compound technology. These new air taxis will make it possible to travel more than 110 km in the air in 25 minutes or less, with trip costs affordable to the public. The Jaunt Journey, single-pilot aircraft, will carry four passengers. The vehicle will offer urban air mobility, cargo delivery, military missions, and medical transport.

Martin Peryea, CEO & CTO, Jaunt, said, *"At Jaunt, our vision is to usher in a range of new-age aircraft-driven urban commuting that is fast, safe, and convenient. This new clean, sustainable aircraft will reduce carbon emissions worldwide. Strategically, we are continuing to grow our Tier 1 partnerships and recognize LTTS as a best-fit engineering partner, and together we are confident of pushing the mass-scale commercialization".*

Eric Côté, President, Jaunt Air Mobility Canada, said, *"The proposed Green Aerospace strategy*

CIMdata PLM Industry Summary

created by federal and provincial governments makes it a perfect match for LTTS and Jaunt to offer end-to-end engineering support in structural design analysis and certification to develop the Jaunt Journey all-electric VTOL aircraft. LTTS has a history of working in Canada and can appreciate the potential behind this favorable environment."

Amit Chadha, Chief Executive Officer & Managing Director, L&T Technology Services, commented, *"This deal is a milestone for team LTTS in view of the tremendous opportunities opening up in UAM and drone services which are emerging as alternatives to the increasingly congested on-ground mobility in cities. LTTS has a track record of developing high-performance engineering solutions for global Aerospace and Defense for over a decade and has supported critical defense programs in the past. We believe this program will set the benchmark for future UAM projects and our team is excited to build on this important engagement with Jaunt, with the eventual aim to make urban commuting safer, greener, efficient and reliable".*

Real Estate Firm Atkinson McLeod Uses Smartphone Capture and Matterport Axis to Accelerate Sales Process and Improve Agent Productivity

21 April 2022

Matterport, Inc. ("Matterport"), the leading spatial data company driving the digital transformation of the built world, is being used by Atkinson McLeod, an independent London real estate group specializing in sales, rentals, and property management, to develop digital twins to provide virtual experiences for 95 percent of its properties. The real estate group is also using both Matterport's Capture smartphone app and the recently-released Matterport Axis motorized mount to create digital twins of its properties. With Matterport, Atkinson McLeod reduces the need for physical property visits, increases the efficiency of property management, and engages with more potential customers to drive property sales.

"London real estate is extremely competitive," said Giles Atkinson, Director of Atkinson McLeod, who credits Matterport with providing his group several competitive advantages well beyond the scope of its original needs. "You need to offer incredibly responsive, personalized client services to stand out. Matterport has created many efficiencies for our agents and our clients love how it improves their home shopping experience. Specifically, when we included a Matterport of a property in our email marketing, our click-through rates doubled."

"With a Matterport digital twin accompanying our property listings, properties are on the market for less time because we can expose the home to more clients, faster," continued Atkinson. "We've reduced in-person visits by 50 percent while improving the quality and productivity of physical showings because clients can confirm in advance if a home is a good fit. As we lease out 1,300 properties annually, the efficiency gains add up fast. Generally speaking, Matterport accelerates our sales process."

In early 2022, Atkinson McLeod was among the first to begin using Matterport Axis, Matterport's new motorized mount for smartphones that makes it easy and affordable to capture professional-grade scans. With smooth, precise rotation of a mobile phone, Matterport Axis allows users to capture high-quality digital twins using the Matterport Capture app on Android and iOS.

"With the Matterport Axis device and their smartphone, our agents work more efficiently, and can now scan, market, and list their properties all from their mobile device with good image quality at a reasonable price," said Atkinson. "In our business, operational efficiency and speed to market are key. Matterport helps us close the gap on these metrics."

Using Matterport Axis and their smartphone, Atkinson McLeod employees can now capture digital

CIMdata PLM Industry Summary

twins the moment they get a key to a property and upload their property to any website on the same day. With 56 percent of its clients agreeing that virtual experiences are useful in the buying process, Atkinson McLeod's use of digital twins helps reduce in-person visits of potential buyers, saving time to list and money while also improving the quality and productivity of physical showings because clients can determine in advance if a home is a good fit. Additionally, home sellers use digital twins to expose properties to more clients. As properties receive more exposure, properties spend less time on the market when using a digital twin. In the past, what may have taken 25 to 30 in-person visits, now homes move to contract in three to four showings to more highly qualified buyers.

"Real estate businesses recognize the power and value that accurate and high-quality digital twins can bring to their company," said Bernard Nguyen, Senior Director of Business Strategy, Residential Real Estate at Matterport. "Using digital twins, agents can create engaging virtual experiences that help reduce the time and money associated with in-person property visits, allowing agents and their clients to shop more efficiently. Now with the Matterport Capture app and new Matterport Axis motorized mount, we've empowered anyone in the real estate industry to use a smartphone to create their own digital twins."

TCS Expands Partnership with The Sun-Herald City2Surf

19 April 2022

Tata Consultancy Services announced it has expanded its partnership with The IRONMAN Group Oceania in a multi-year deal, for Sun-Herald City2Surf, the world's largest fun run.

TCS will continue to power the official event app, enhancing the fun run experience with live results tracking and leader board data. It will also include custom City2Surf selfie frames and a personalised race-ready checklist.

A new feature on the app will highlight Indigenous points of significance along or near to the course. By marking places of Indigenous historical significance, TCS hopes participants 'Running on Country' will experience a connection with the land and will find the sites of interest.

Vikram Singh, Country Head, TCS ANZ, said, "*We are thrilled to extend our partnership with The Sun-Herald City2Surf, the largest fun run in the world. We sponsor running events across Australia and globally because we want to inspire local communities to live healthy and active lifestyles. This year, as part of our ongoing commitment to recognising and celebrating Indigenous culture, we have a new feature in the app to raise awareness of local Indigenous history, drive 'Connection to Country' amongst runners and all Australians, and remind us that this land we tread is steeped in rich Indigenous history and culture.*"

Geoff Meyer, Managing Director, The IRONMAN Group Oceania, said, "*We are delighted TCS has chosen to expand their partnership as a Major Partner of The Sun-Herald City2Surf. Technology already has a central role to play in physical activity and partners like TCS are crucial in making our vision of inspiring activity a reality. We look forward to continuing to work with the TCS to enhance the City2Surf runners experience with technology.*"

Taking place on 14 August 2022 and attracting an anticipated crowd of 80,000 plus runners, the City2Surf will be held in-person for the first time since 2019.

These running sponsorships are part of TCS' commitment to promoting wellbeing and fitness among Australians. TCS also sponsors The Canberra Times Marathon Festival and is the title sponsor for several global running events, including the TCS NYC and TCS London marathons.

Tokio Marine Vietnam Powers Customer Experience with OpenText

20 April 2022

OpenText™ announced Tokio Marine Insurance Vietnam (TMIV), a P&C insurer in Vietnam, implemented OpenText solutions to modernize its client communication strategy and enable rapid delivery of information to customers.

Providing high-quality insurance and risk management services to enterprises across the region, TMIV has established itself as a trusted partner for its customers in a dynamic and competitive industry. As part of its growth and expansion plans, the company strives to provide the highest standards of service, including clear, prompt client communications by developing efficient workflows that enable seamless processing of high-volume client requests.

“One of the most important pieces of client communication for us is the policy document. Previously, we relied on manual processes to design, edit, and personalize these documents. This approach was so time-consuming, increased production costs, and resulted in long wait periods for customers,” said Mr. Hideki Maeomote, General Director of TMIV. “We needed a solution that would streamline and accelerate our document workflows, which is aligned with our values to “Japan Quality” to our customers. With OpenText Exstream™ we have modernized internal processes and cut time spent on preparing insurance documents by almost half.”

“Helping customers approach new business opportunities by modernizing their workflows is paramount in creating customer value,” said James McGourlay, Executive Vice President, International Sales, OpenText. “By relying on OpenText, TMIV is transforming standard client communication processes to provide highly effective and efficient client experiences. We’re pleased to continue working with our valued partner Delaware to explore more avenues to help TMIV expand their digital modernization strategy.”

To improve customer experience, TMIV leveraged OpenText Exstream and accelerated the creation of policy documents by 40 percent, helping the company to process growing volumes of client requests. Manual processes were replaced with streamlined digital authoring and editing tools, cutting production costs and improving customer satisfaction as clients now receive their policy information faster. The solution was also utilized by the company’s Indonesia non-life insurance entity, PT Asuransi Tokio Marine Indonesia (TMI), for policy issuance.

Product News

Maxon Adds Enhanced Functionality and Unprecedented Value to Maxon One

20 April 2022

Maxon, the developers of professional software solutions for editors, filmmakers, motion designers and visual effects artists, announced that all Maxon products are now included in its value-packed subscription: Cinema 4D, Redshift, Red Giant, Universe, Forger and now ZBrush, acquired in December of last year, are all included in Maxon One for the same affordable price. Additionally, Maxon unveiled its Spring 2022 product upgrades that include an incredible set of new features and enhancements. This multi-product, feature-rich update once again illustrates Maxon’s commitment to delivering consistent product development and superior value to the Maxon One offering.

“Our goal is to provide artists with trailblazing technology and workflows to create in all dimensions,” said David McGavran, Maxon CEO. “This expansive update across all of Maxon’s creative tools comes

CIMdata PLM Industry Summary

together to provide incredible value and opportunities for creative expression in Maxon One.”

See Maxon One in Action at NAB 2022 and on The 3D and Motion Design Show

Maxon will be hosting exclusive presentations from industry-leading artists in its Booth (#N5920) at NAB 2022, April 24-27, 2022.

Exciting new enhancements and upgrades to Maxon One products include:

Cinema 4D S26: Significant emphasis has been put on unifying workflows with the best technology from around the Maxon family – the additions of Redshift CPU and ZBrush’s automatic retopology tools. Cinema 4D Subscription Release 26 also includes great enhancements across the entire 3D workflow - Modeling, Animation, Simulation, Rendering.

Redshift: Redshift is Everywhere. With the initial release of Redshift CPU, users can make use of Redshift’s powerful materials and rendering on any system and a growing number of creative tools including Houdini, Maya, 3ds max, Blender, Katana, Vectorworks and Archicad. The new Redshift Standard material is easy to use and offers diverse shading models for improved photorealism.

Red Giant:

- VFX Suite 3 introduces Real Lens Flares based on simulated optical models and ray traced light. This technology preview will evolve with the participation of our artistic community.
- Magic Bullet Suite 16 adds new Halation and Optical Diffusion tools for Looks, along with OpenColorIO support.
- Trapcode Suite 18 now offers M1 support for all Trapcode tools, and layer maps support in Particular.

Universe: Universe 6 adds exciting new tools providing many new options to be creative and enhance an artist’s workflow. Sketchify adds sketch- and toon-like effects to footage, ChromaTown creates chromatic streaks and blurs for warpy looks and transitions, Box Bokeh provides square or diamond shaped lens bokeh effects, and Stretch Transition adds a stretchy crossfade between clips for a warp-like transition. Combined with over 70 new presets, Universe 6 helps artists to get impressive results quickly in a fun and intuitive way.

Forger: The latest version of Forger reveals the first stage in Maxon’s plan to provide powerful hard-surface modeling capabilities to 3D artists. Built with Cinema 4D’s polygonal foundation, Forger now offers a selection of polygonal primitives: planes, cubes, spheres, cylinders, torus, pyramids, capsules, oil tanks, etc.

Maxon One subscribers can immediately download all product updates via Maxon App. Everyone can download a 14-day trial of the entire Maxon One offering from within Maxon App and experience for themselves all the great new features across the entire Maxon family of products.

Infosys Public Services Introduces Infosys LaborForce, one of the First Cloud-native Unemployment Insurance Solutions in the Industry

19 April 2022

Infosys Public Services, a US-headquartered subsidiary of Infosys, introduced Infosys LaborForce, a fully integrated, cloud-native Platform as a Service (PaaS) Unemployment Insurance (UI) system. Built on the Salesforce Platform, Infosys LaborForce is a tax, benefits, appeals and workforce solution designed to support state governments in building digital and resilient UI systems. The customer-centric solution equips states with advanced CRM and analytics capabilities, a lower long-term cost of

ownership, and greater resiliency, that can result in better experiences for the U.S. workforce.

Meeting the needs of the modern workforce now and in the future

Infosys Public Services has developed LaborForce to address the issues with state unemployment and workforce systems. The COVID-19 pandemic put millions of Americans out of work and state unemployment systems across the U.S. failed to meet the soaring demand for benefits. Infosys LaborForce leverages the proven capabilities of cloud to rapidly adapt to a dynamic work, policy, and economic environment and meet the ever-changing needs of U.S. workers.

Infosys LaborForce supports all end-to-end UI processes, including tax, benefits, appeals, workforce, pandemic programs, family leave, call centers, and customer service. The solution leverages Salesforce's rapid low-code development capabilities, enabling states to add new features and functionalities at speed and scale.

Citizen-centric with enhanced case management

Infosys LaborForce offers automated case management, citizen-centric user experiences, and advanced fraud prevention and detection. For example, using Infosys LaborForce, state employees can utilize functions like click-to-chat to automatically update claims information directly in back-end systems. Infosys LaborForce is also capable of automatically adjusting employer rates based on new information and modifying claims in response – dating back years if needed. AI-enabled decision-making capabilities also help resolve questions related to employee eligibility, enabling the solution to flag potential fraud or reconcile inconsistencies.

Eric Paternoster, President and CEO, Infosys Public Services, said, “Unemployment Insurance systems are critical to the infrastructure of the U.S. workforce. But over the past decade, too often we have seen these systems struggle to support the requirements of our constantly evolving workforce, public policies, and citizen expectations. The agility of the Salesforce Platform opens up enormous potential for Infosys LaborForce and our National Labor Practice to help states innovate and better support the needs of their citizens.”

Proven capabilities and compliance-ready

Infosys LaborForce builds on the proven design and processing components already implemented in more than a dozen states. The product is designed, delivered, and supported through Infosys Public Services' National Labor Practice, made up of practitioners that have been exclusively supporting unemployment insurance, workforce, and contact center modernizations for over 20 years. This team of workforce experts has previously helped modernize tax and benefits systems in 20+ states.

States can choose to implement Infosys LaborForce in its entirety or deploy individual modules that best fit their needs. Infosys Public Services also provides states with complementary expertise in service areas including UI training, organization change management, fraud program improvement and design, federal reporting and data validation, legacy systems support and maintenance, user experience (UX) redesign and improvement, modernization and RFP planning, and grant management.

Tyler Prince, Executive Vice President, Worldwide Alliances & Channels, Salesforce, said, “Partners are critical to extending the power of Salesforce across industries – including the public sector. We're proud to see partners like Infosys build innovative solutions to make state workforce programs for citizens even better.”

Salesforce and others are among the trademarks of salesforce.com, inc.

CIMdata PLM Industry Summary

PTC Accelerates Customers' Journeys to SaaS with New Windchill+ Offering

19 April 2022

PTC announced the availability of its Windchill+™ product lifecycle management (PLM) software. Windchill+ is a new generation of the company's market-leading Windchill® software, delivered via a modern software-as-a-service (SaaS) architecture. By leveraging the benefits of SaaS, Windchill+ facilitates collaboration around product data and enables product development organizations to bring products to market faster and to accelerate PLM deployment.

"For more than two decades, many of the world's most sophisticated manufacturing companies have used Windchill to design, develop, and manufacture their products," said Jim Heppelmann, President and CEO, PTC. "Windchill+ unleashes an exciting new future for our Windchill product line, delivering the full digital transformation power of PLM while simplifying deployment, usage, and upgrades through the use of a modern SaaS architecture."

Analysts estimate that manufacturers invested more than \$450 billion in digital transformation initiatives in 2021, with SaaS adoption accelerating due, in part, to the global pandemic. For many companies, PLM is increasingly viewed as a backbone to digital transformation, and SaaS PLM solutions are now seen as "the system of record for product data maintaining continuity across a digital thread that connects people, processes, and complex systems in a closed-loop that spans the entire product lifecycle," according to Frank Della Rosa, Research Vice President, SaaS, Business Platforms, and Industry Cloud, IDC.

Windchill+ combines the transformational benefits of a modern SaaS architecture with PLM speed, agility, and openness. By embracing SaaS, customers can reduce or eliminate their on-premises legacy applications and solutions. Customers can move from PLM implementation to full usage with speed and simplicity and can easily accelerate PLM adoption across the organization. Windchill+ also enables faster, easier, and more secure collaboration with external supply chain partners. PTC will leverage the SaaS architecture of Windchill+ to deliver new versions and PLM capabilities to customers over time.

SketchUp for iPad Ushers in a New Way to Create in 3D, Anywhere

19 April 2022

Trimble announced the launch of SketchUp for iPad, a new app that combines the power of 3D with the ease of sketching by hand. SketchUp for iPad enables interior designers, architects, engineers and construction professionals to more effectively create, edit and collaborate on projects while on-site, on the go, and in the office.

With SketchUp for iPad's smart drawing tools and support for Apple Pencil, users can intuitively sketch in 3D. The app offers innovative capabilities and workflow enhancements that allow architects and designers to spend less time performing repetitive modeling tasks and more time exploring ideas. Autoshape, a new machine-learning feature instantly transforms doodles into 3D shapes and configurable components. With Markup mode, users can capture client feedback in real-time by digitally overlaying annotations and illustrations atop 3D models using Apple Pencil. Connecting the physical and digital worlds, SketchUp for iPad also enables users to import satellite imagery and terrain data of existing site locations, apply photo textures using an iPad camera, and visualize 3D creations in the real world using augmented reality.

The launch of SketchUp for iPad comes after a successful beta program. "It's been liberating," said Omar Calderon Santiago, design principal at Perkins Eastman, a global design firm. "I enjoy the mobile aspect of SketchUp for iPad because I can take my design work anywhere. The last couple of years have

CIMdata PLM Industry Summary

brought a new perspective to the way we work and has fast-tracked our ability to work outside of the office. Today, our work needs to be easily transportable and with SketchUp for iPad, it is.”

SketchUp for iPad offers a robust, native integration with the Trimble Connect® collaboration platform. SketchUp models that are stored in Trimble Connect automatically sync across devices so project stakeholders can move seamlessly between SketchUp for iPad, SketchUp for Web and SketchUp Desktop applications.

“The way we work has changed and SketchUp for iPad was designed to go wherever work takes our users with a uniquely intuitive 3D experience to help capture and bring creative inspiration to life—whether on the jobsite, in a coffee shop or meeting with clients in an office,” said Christopher Cronin, vice president and general manager of Trimble SketchUp. “We’re excited to make 3D even more accessible to designers who’ve always dreamed of working in 3D. We want to help dissolve barriers between the physical and digital worlds by offering immersive and collaborative 3D experiences that can be shared by all stakeholders, from concept through construction.”

SketchUp for iPad is included in all paid SketchUp subscriptions.

Synopsys Introduces Industry's Highest Performance Neural Processor IP

19 April 2022

Addressing increasing performance requirements for artificial intelligence (AI) systems on chip (SoCs), Synopsys, Inc. announced its new neural processing unit (NPU) IP and toolchain that delivers the industry's highest performance and support for the latest, most complex neural network models. Synopsys DesignWare® ARC® NPX6 and NPX6FS NPU IP address the demands of real-time compute with ultra-low power consumption for AI applications. To accelerate application software development for the ARC NPX6 NPU IP, the new DesignWare ARC MetaWare MX Development Toolkit provides a comprehensive compilation environment with automatic neural network algorithm partitioning to maximize resource utilization.

"Based on our seamless experience integrating the Synopsys DesignWare ARC EV Processor IP into our successful NU4000 multi-core SoC, we have selected the new ARC NPX6 NPU IP to further strengthen the AI processing capabilities and efficiency of our products when executing the latest neural network models," said Dor Zepeniuk, CTO at Inuitive, a designer of powerful 3D and vision processors for advanced robotics, drones, augmented reality/virtual reality (AR/VR) devices and other edge AI and embedded vision applications. "In addition, the easy-to-use ARC MetaWare tools help us take maximum advantage of the processor hardware resources, ultimately helping us to meet our performance and time-to-market targets."

Real-Time Responses with Scalable Neural Processors

Advanced driver assistance systems (ADAS), surveillance, digital TVs and cameras and other emerging AI applications that implement complex neural network models are putting greater demands on compute and memory resources, often for safety-critical functions. To address the range of application requirements, the ARC NPX6 NPU IP:

- Scales from 4K to 96K MACs
- Delivers, in a single instance, up to 250 tera operations per second (TOPS) at 1.3 GHz on 5nm processes in worst-case conditions, or up to 440 TOPS by using new sparsity features, which can increase the performance and decrease energy demands of executing a neural network
- Integrates hardware and software connectivity features that enable implementation of multiple

CIMdata PLM Industry Summary

NPU instances to achieve up to 3,500 TOPS of performance on a single SoC

- Provides more than 50x the performance of the maximum configuration of the ARC EV7x Processor IP
- Offers optional 16-bit floating point support inside the neural processing hardware, maximizing layer performance and simplifying the transition from GPUs used for AI prototyping to high-volume power- and area-optimized SoCs

DesignWare ARC NPX6FS NPU IP meets stringent random hardware fault detection and systematic functional safety development flow requirements to achieve up to ISO 26262 ASIL D compliance. The processors, with comprehensive safety documentation included, feature dedicated safety mechanisms for ISO 26262 compliance and address the mixed-criticality and virtualization requirements of next-generation zonal architectures.

Comprehensive Software Environment

The ARC MetaWare MX Development Toolkit includes compilers and debugger, neural network software development kit (SDK), virtual platforms SDK, runtimes and libraries, and advanced simulation models. MetaWare MX offers a single toolchain to accelerate application development and automatically partitions algorithms across the MAC resources for highly efficient processing. For safety-critical automotive applications, the MetaWare MX Development Toolkit for Safety includes a safety manual and a safety guide to help developers meet the ISO 26262 requirements and prepare for ISO 26262 compliance testing.

"Higher resolution images, more cameras in systems, and more complex algorithms are driving AI processing requirements to high TOPS performance," said John Koeter, Sr. VP, marketing and strategy in the Synopsys Solutions Group. "With the new DesignWare ARC NPX6 and NPX6FS NPU IP, as well as MetaWare MX Development Toolkits, designers can take advantage of the latest neural network models, meet growing performance demands and accelerate time-to-market for their next intelligent SoCs."

Synopsys' broad DesignWare IP portfolio includes logic libraries, embedded memories, IOs, PVT monitors, embedded test, analog IP, interface IP, security IP, embedded processors and subsystems. To accelerate prototyping, software development and integration of IP into SoCs, Synopsys' IP Accelerated initiative offers IP prototyping kits, IP software development kits and IP subsystems. Our extensive investment in IP quality and comprehensive technical support enable designers to reduce integration risk and accelerate time-to-market

TCS Launches Risk-Based Monitoring Solution that Transforms Clinical Operational Analytics and Enhances Study Quality

18 April 2022

Tata Consultancy Services (TCS) has launched an agile and intuitive risk-based monitoring solution for clinical trials, that enables intelligent decision making, increased compliance and improves study efficacy.

Part of the TCS ADD™ suite, the new risk-based monitoring solution enables biopharmaceutical and Contract Research Organizations (CROs) to identify study and site risks through advanced statistical algorithms and drive intelligent data driven decisions. The data science led risk-based monitoring solution precisely predicts outcomes pertaining to site workload and risks, thereby enabling stakeholders to lay out proactive monitoring strategies.

CIMdata PLM Industry Summary

The risk-based monitoring solution comprises:

- **Intelligent risk management** that facilitates automated triggers for outliers with advanced analytics and visualizations.
- **AI/ML based predictive analytics** with leading indicators of site monitoring workload analytics.
- **40+ operational metrics** across study, site, subject, data management and budget management categories, providing a holistic performance view across site, country, region, study, program, compound and therapeutic area.
- **A one-click communication module** that provides a unified and collated list of pending activities, and system generated intelligent actions across all source systems; driving greater engagement and collaboration.

The novel and intuitive Risk Based Monitoring solution provides insights into missing data, improving data quality and consistency, and enabling early identification of trends and outliers. Sponsors and CROs are expected to realize up to 30% efficiency gain in site monitoring through the solution. In addition, automation speeds up the process, reduces site workload, improves overall compliance, and contributes to product speed-to-market.

“With COVID 19 critically impacting site visits, life sciences industries realized the value of remote Risk Based Monitoring solutions that empower sponsors to monitor trials centrally, assess the risks and track corrective actions to enhance study quality,” said Debashis Ghosh, Business Group Head, Life Sciences Healthcare, and Public Services, TCS. “With our deep domain knowledge of the life sciences industry, we are continually expanding the capabilities of our modern and open TCS ADD platform to include data science, artificial intelligence and machine learning led clinical operational analytics solutions that transform the drug development value chain, deliver greater value for our customers and achieve faster compliance.”

BETA CAE Systems announces the release of the v22.1.2 of its software suite

18 April 2022

About this release

April brings a handful of improved features to BETA Suite. This release offers you the flexibility to easily migrate to v22.x.x branch, without disrupting quality or robustness in your daily processes.

Known issues resolved in ANSA

CAD Import/ Export

Upon Input Model Definition, unexpected termination would occur when activating the Settings via Product Tree Editor > Utilities menu.

Model Browser

Thanks to new methods added in Product Tree class, relations can successfully return among instances of the hierarchy via the respective script function; This refers to, the ids of the top root instances, the parent instance, the children' instances, as well as the corresponding part id of the instance.

Data Management

The user interface area of the main window would cease to respond, when trying to save a Simulation Run in DM using the Alternative FE-Representation, due to an exception that occurred in Build script.

Topo

From now on, the option "Handle as single solid" successfully enables the extraction of middle surface for multiple separate volumes.

Marc

ANSA would unexpectedly terminate when importing a Marc deck file with unsupported syntax.

Optimization

Optimization Tool: Abnormal termination would occur if the Optimization workflow was empty and the "Save in DM" option was selected.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

Known issues resolved in EPILYSIS

SOL200

In SOL200 runs, the CDAMP1/CDAMP3 elements would not successfully connect with PDAMP properties. In addition, values from DVPREL entries would not be passed.

Unexpected termination would occur in Optimization with frequency response and enforced motion.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

Known issues resolved in META

Read Results

Geometry d3plot and results reading is no longer detained on Windows OS.

Annotations

Animation performance would be decelerated, while creating an annotation via "On Selection" option.

Managing Curve Data

Scaling and offset of *DEFINE_CURVE keyword from LS-DYNA input files (entries SFA, SFO, OFFA, OFFO) would not lead to the expected results.

User Toolbars

TPA What If Toolbar would not function properly, in case transfer functions, forces and point mobilities were displayed as curves.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

New Documentation in KOMVOS

User Guides

Tutorials

- Machine Learning

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

Compatibility and Supported Platforms

ANSA files saved by all the first and second point releases of a major version are compatible to each

CIMdata PLM Industry Summary

other. New major versions can read files saved by previous ones but not vice versa.

META Project files saved from version 22.1.2 are compatible and can be opened by META version 16.0.0 or later.

Support for Mac OS has been discontinued.

Support for 32-bit platforms has been discontinued for all operating systems.

ActCAD 2022 Update 1310 Released, Dt.21-Apr-2022

21 April 2022

ActCAD announces the release of its new version 1310 for ActCAD 2022 Professional, Standard and Prime Versions.

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

- Fixed some issues with -LAYOUT command
- Fixed print style modification issues
- Fixed some issue with TEXTALIGN command
- Fixed file save location issue in PUBLISH command
- Fixed hang or crash issues of ActCAD in case of icad.fmp errors
- Fixed INTERSECTION snap not working well between CIRCLE and LINE
- Fixed unexpected messages about font substitutions on MText editing
- Improved page setup options in PUBLISH dialog
- Fixed publish to PDF generates duplicates for selected sheets
- Fixed page setup selection approach in PUBLISH command to avoid crashes
- Added provision to include Model or Layout in PUBLISH command
- Fixed BigFont display issues
- Fixed arc trimming issue by a line
- Added ENTPROP command in the UI
- Fixed activation/deactivation error of Undo and Redo icons
- Improved IntelliConvert tool to support additional dgn models (.cel, .dgnlib)
- Fixed intersection error with XLINE
- Fixed DWF to PDF to have option to open converted PDF
- Fixed certain issues in SCALE command to match with otherCAD
- Fixed manual option in DIMBREAK command
- Fixed some fonts not found issue in ActCAD Explorer
- Fixed Start Page news display delay issue
- Fixed selection sequence issue in LISP functions
- Fixed error message issue on cancel when TEXTED variable set to 3
- Fixed DWG to PDF file from unsaved drawing has an empty name
- Fixed HPORIGINMODE=5 does not automatically set origin correctly

CIMdata PLM Industry Summary

- Fixed Open explorer window leads to terrible pan performance
- Fixed Column width value not saved in TABLE command
- Fixed PUBLISH command PDF output that do not match with print settings
- Fixed mouse wheel causes zooming when command line in Text Window is focused
- Fixed real Time Orbit and show scroll bars

Razorleaf Corporation Announces CLOVER CollectIT Release 2.0

20 April 2022

Razorleaf Corporation, a leading global PLM consulting and systems integrator, announced CLOVER CollectIT release 2.0, a web-based file management application that allows users to view, extract, package, and distribute PLM files and data across the extended enterprise.

The new CollectIT release allows non-PLM users to view the full BOM hierarchy, related CAD files, ECOs, technical documentation, and the latest product engineering data from the new Item Viewer. Manufacturers can convert PART, BOM, or other metadata stored in PLM into readable Microsoft Word or PDF files using customizable templates for viewing and output.

With the latest version of CollectIT, internal stakeholders can now view PLM data in real-time through a simple web browser and easily export files and data from PLM without an import/export tool. These capabilities extend PLM information to non-engineering teams previously unable to access critical product information to enhance productivity and collaboration.

“CollectIT Release 2.0 improves operational efficiency by allowing downstream departments to access current engineering information on-demand,” says Eric Doubell, CEO Razorleaf. “The new CollectIT Item Viewer is a robust web-based search tool that allows manufacturing teams to view native stored data and files to ensure accurate and current information, leading to better decision-making and shortening the product lifecycle.”

CollectIT is vendor-neutral software that utilizes Razorleaf’s CLOVER technology, a communications hub, to enable the exchange of Product Lifecycle Management data and processes between applications across systems, vendors, or domains to support a Model Based Enterprise (MBE).