

Contents

CIMdata News.....	4
CIMdata Publishes Executive PLM Market Report	4
Products as a Service: The Changing Views on Products - engineering.com	5
Acquisitions.....	6
Addnode Group completes the acquisition of Team D3 in the US and Symetri becomes Autodesk’s largest partner globally	6
Atos enters into exclusive negotiations for the sale of EcoAct	6
Bechtle intends to buy French cybersecurity and digital infrastructure services company, Apixit	7
Company News	8
Amazon Web Services and Sage Expand Partnership to Modernize Finance and Accounting Functionality	8
American Software, Inc. Adds to Board of Directors.....	10
BuildingPoint Technology Dealer Established in the North Atlantic Region	10
FARO Technologies Appoints Peter Lau as President and Chief Executive Officer	11
Marie Laure Ripoché named Présidente of Bechtle direct in France	11
PDSVISION announces new CEO and changes to the Board of Directors	12
SimScale Strengthens Presence in Asia through Strategic Partnership with KKE Japan	14
Synopsys and Golden Electronics Collaborate to Expand Chip Design Talent in Jordan.....	14
Event News	15
Building On Collaboration: Nemetschek Group is Presenting at digitalBAU Conference	15
EPLAN Forum for Automated Engineering	16
Financial News	17
Invitation to presentation of Addnode Group’s Interim Report January – June 2023.....	17
PROS Holdings, Inc. Announces Date of Second Quarter 2023 Financial Results Release, Conference Call, and Webcast.....	18

Implementation Investments	18
Busana Streamlines Processes with Centric PLM to Meet Global Demand	18
HAK Chooses Infor for a Sustainable Future Built on Efficient Business Processes	19
Italian telecommunications operator Fastweb selects HPE GreenLake to modernize its cloud services and reduce time to market	20
MADI International Digitizes its Warehousing with Infor and SNS to Tap Surging Demand for Cosmetics	21
Morgan Motor Company goes live with upgrade to IFS Cloud to drive efficiencies and enhance customer experience.....	22
Promatec chooses CADENAS to integrate the CAD showcase of CPC products into its e-commerce site.....	23
Renesas Chooses Altium to Unify Company-Wide PCB Development and Accelerate Solution Design for Partners and Customers.....	24
Sansan Solidifies a Strong Digital Foundation with Centric PLM.....	25
Siemens partners with PRODEA Investments to create smart, sustainable buildings in Greece	26
Product News.....	27
Cadence Delivers Certified, Innovative Backside Implementation Flow to Support Samsung Foundry SF2 Technology.....	27
Cadence Digital and Custom/Analog Design Flows Certified for Samsung Foundry’s SF2 and SF3 Process Technologies	28
Chaos Releases Vantage 2, a Standalone Real-Time Ray Tracer for Archviz and VFX.....	30
DELTEK SUPPORTS GOVERNMENT CONTRACTORS WITH NEW GOVWIN IQ SMALL BUSINESS RESOURCE CENTER.....	32
EPLAN Data Portal Update	32
Introducing the Agacad Helper in our software for Revit	34
KeyCreator 2023 Service Pack 2 Released	35
LTIMintree Launches 'V-Protect', Powered By Rubrik, For Comprehensive Data Protection And Recovery	35
Major Asta Powerproject update is now released with new modules and online services	36
Mastercam 2024 Integrates Sandvik Coromant CoroPlus® Tool Library Add-In.....	37
OpenBOM - What’s New June, 30th 2023.....	38
PROSTEP'S PROVIDES SUPPORT FOR PROACTIVE PRODUCTION CONTROL IN THE SHIPBUILDING INDUSTRY.....	39

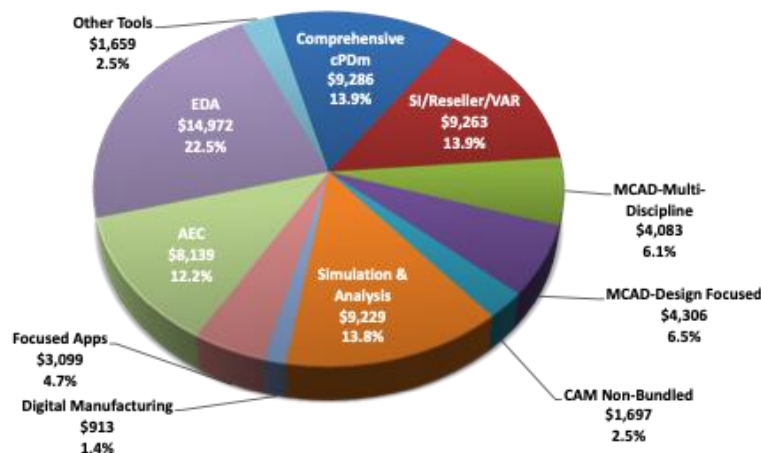
Release Announcement of CADfeature 18.0	40
serviceAssist Classic gets more functions: Maintenance Overview	40
VOLTA and modeFRONTIER 2023R2 available now	41

CIMdata News

CIMdata Publishes Executive PLM Market Report

6 July 2023

CIMdata, Inc., the leading global PLM strategic management consulting and research firm announces the release of the CIMdata 2023 Executive PLM Market Report. This report provides an executive-level view of CIMdata’s comprehensive analysis of the PLM market, with summary charts on the overall market and on specific PLM solution segments (including the chart below). It also includes perspectives on current trends in the PLM industry and how they may affect current suppliers and investments.



Distribution of 2022 PLM Revenue by Market Sector

The PLM Economy, as measured in our PLM market analysis, has continued to grow in 2022. In calendar year 2022, the PLM market grew to just over \$66.6 billion overall (10% growth over 2021). “The PLM market saw really strong results in 2022, beating our forecast,” according to Mr. Stan Przybylinski, CIMdata’s Vice President. “Electronic Design Automation (EDA) led the pack with a year-on-year growth of 12.7%, driven by market leaders Cadence and Synopsys. Autodesk’s results also contributed to strong growth in Architecture, Engineering, and Construction (AEC) at 8.3%, a segment hurt in our analysis by the 11% drop of the Euro against the US dollar. Finally, simulation and analysis (S&A) returned to strong growth at 10.9%. We expect the move toward smart, connected products to continue growth in S&A, software development tools, and electronic design automation (EDA).”

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

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

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

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

Products as a Service: The Changing Views on Products - engineering.com

6 July 2023

In his most recent article for engineering.com, Peter Bilello discusses the rise of Products as a Service (PaaS) and how it's changing the market for everything from software to capital equipment. Peter says, "In the PaaS business model, the OEM's sale of equipment (or any big-ticket asset) is replaced by ongoing payments tied to usage—essentially productivity or what is produced. With enhanced connectivity, meters and sensors, the equipment's use, uptime, output and downtime are tracked and invoiced accordingly. CIMdata clients remind us that PaaS data must be timely, accessible and easily understandable. Here is what that might look like."

Read the full article here: <https://www.engineering.com/story/products-as-a-service-the-changing-views-on-products>

Acquisitions

Addnode Group completes the acquisition of Team D3 in the US and Symetri becomes Autodesk's largest partner globally

3 July 2023

Addnode Group announced that it has completed the previously communicated acquisition of Team D3 in the US. Addnode Group's subsidiary Symetri is now Autodesk's largest partner globally.

Team D3's net sales amounts to USD 120 million. Team D3 is an Autodesk Platinum Partner with 200 employees located in multiple sites across the US.

The acquisition of Microdesk in 2022 established Symetri in the US, particularly within the AEC segment and on the East and West coast. The acquisition of Team D3 now strengthens Symetri's position both in the segments of Manufacturing and Process & Power, as well as in the Midwest part of the US. The acquisitions have made Symetri to Autodesk's largest partner globally. Overall, Symetri now serves more than 400,000 daily users, 25,000 customers and have more than 1,000 employees across 30 offices in Europe and US.

Atos enters into exclusive negotiations for the sale of EcoAct

3 July 2023

Atos Group, a global leader in digital transformation, announces that it has entered into exclusive negotiations with Schneider Electric for the sale of 100% of EcoAct SAS and its subsidiaries ("EcoAct"). With this potential transaction, Atos would secure its divestment program of non-core assets while engaging in a strategic partnership with Schneider Electric on decarbonization.

EcoAct is an international leader in climate consulting and NetZero solutions offering a unique portfolio of services which covers the entire Net Zero transition value chain, from planning and forecasting to carbon offsetting. The company generated revenues of approximately €70m in FY22 and currently employs close to 400 people.

The proposed transaction does not include Atos' digital Net Zero Transformation practice (part of Eviden business), dedicated to supporting its customers in all industries to catalyze their decarbonization goals, which will be kept within the Atos Group. Atos would also cooperate closely with Schneider Electric combining Technology and Sustainability expertise to build products and solutions that enhance its customers' paths to NetZero. Atos remains highly committed to its own sustainability engagements which are set to achieve net zero carbon emissions by 2039.

This proposed transaction, in addition to the ongoing divestments already engaged, would allow Atos to complete its divestment program ahead of the schedule announced at the Group's Capital Markets Day on June 14, 2022.

"We are very pleased with this proposed transaction, after which we would have secured more than 100% of our divestment program and delivered on our commitment. Our transformation plan has already showed encouraging performance results, and we have further reinforced our clients' confidence in our ability to accompany them in their digital challenges" said Diane Galbe, Senior Executive Vice President, Atos "Digitization and decarbonization are key for all businesses today. Thanks to this future partnership with Schneider Electric we look forward to developing leading edge offers to accelerate customers' journeys to NetZero."

Steve Wilhite, President, Sustainability Business at Schneider Electric said *"Demand for sustainable goods and services is rapidly increasing as businesses navigate the challenges posed by climate change, the energy crisis, and investor and regulatory pressures. The solutions to these challenges are complex to navigate. By combining forces with EcoAct, we would expand our team of world-class sustainability consultants and our ability to deliver strategic value to our clients, accelerating the transition to the carbon-free energy future."*

Stuart Lemmon, Global Head of EcoAct, said *"I am excited for EcoAct to potentially join Schneider Electric and to continue to grow our ability to lead clients through challenges at the heart of the energy and resource transition. I believe this transaction could provide fantastic opportunities to our talented and passionate 'EcoActors' and look forward to the promising future ahead."*

The potential transaction remains subject to the information and consultation of the relevant employee representative bodies of Atos and Schneider Electric, to the agreement and signing of the definitive documentation and to other customary regulatory approvals. The potential transaction is expected to be closed in H2 2023.

Bechtle intends to buy French cybersecurity and digital infrastructure services company, Apixit

5 July 2023

Bechtle AG intends to purchase the French IT company, Apixit S.A.S., headquartered in Les Ulis, near Paris. An offer to this effect was made July 5, 2023. As is standard practice in France, Apixit's workers' council will be consulted and the approval of the responsible French authorities sought before the purchase agreement is legally concluded. This acquisition would mark the expansion of Bechtle's IT services portfolio into a sixth European country after Germany, Austria, Switzerland, Great Britain and the Netherlands and would be the 110th acquisition in the company's history. The Bechtle purchase would see the current group of financial investors withdrawing from the company, but there would be no changes to Apixit's executive management.

Apixit employs some 340 staff and achieved revenues of 85 million euros in the 2020/21 fiscal year. The IT service provider was established in 2018 after the fusion of systems integrators DCI

and RETIS, both of which had been a mainstay in the French market for three decades. Apixit's focus is firmly on cybersecurity including a Security Operations Centre (SOC) for all security-related IT services at organisations or companies—an area that accounts for 45 % of its revenues. Furthermore, the company offers its 1,000+ SME and large enterprise customers IT infrastructure solutions, digital workplace concepts, network solutions and managed services as well as consultancy, auditing and deployment. Apixit has ten regional sites in Lille, Issy-les-Moulineaux, Les Ulis (headquarters), Rennes, Quimper, Nantes, Lyon, Bordeaux Toulouse and Maisons-Laffitte.

Strengthening French market position

Bechtle has been active on the French market since 2000. Bechtle direct made the start, and in the meantime the subsidiaries Bechtle Comsoft and Inmac Wstore as well as Cadmes have joined. Apixit would complement the Bechtle Group's current locations in Paris, Antony, Roissy-en-France, Plessis, Angoulême, Illkirch-Graffenstaden and Sophia Antipolis. The purchase would serve to consolidate Bechtle's position as one of the five largest IT companies in France, the third largest IT market in Europe after the United Kingdom and Germany. The Bechtle Group companies in France would gain access to Apixit's significant experience and capabilities in managed services and project management, including its Network Operations Centre (NOC) and Security Operations Centre (SOC), while Apixit would benefit from Bechtle's extensive end user base and expertise in multi-cloud scenarios. Together with Apixit, the number of employees of the Bechtle Group in France increases to almost 1,200.

Perfect match of two established IT companies

"With Apixit, we are taking another big step towards European market leadership. The IT company is run by an excellent leadership team and will augment our already significant foothold in the French market. Apixit and Bechtle are much more than just matching pieces in the french puzzle, we also expect new synergies that will benefit all Bechtle Group companies," says Konstantin Ebert, Executive Vice President for France, Benelux and the UK, Bechtle AG.

Fabrice Tusseau, Chairman, Apixit: "With Bechtle, we are in a position to offer our customers and employees outstanding perspectives for the future in France and in Europe. Our organisations complement each other very well, and we are on the same wavelength in terms of both our cultures and our ambitious goals."

Company News

Amazon Web Services and Sage Expand Partnership to Modernize Finance and Accounting Functionality

28 June 2023

Sage – the leader in accounting, financial, HR and payroll technology for small and mid-sized businesses (SMBs) – announced an expanded relationship with Amazon Web Services (AWS), focused on helping SMBs speed up their digital capabilities and benefit from the latest cloud accounting and management technology.

US Customers who are looking to implement Sage's award-winning software, Sage Intacct, will now have first-time access to the technology on AWS. Sage Intacct customers now have the expanded flexibility to scale at pace, knowing they're supported by the availability, reliability, and security delivered by AWS. In addition, AWS customers can now benefit from Sage Intacct on AWS to modernize their finance function, unlock efficiencies by automating finance processes, and save time by making decisions faster using real-time data and insights.

"Providing SMBs with the added flexibility of cloud access to Sage's flagship products on AWS is crucial in helping them digitally transform and future-proof their businesses," said Eduardo Rosini, the Executive Vice President of Partners & Alliances at Sage. "This relationship between Sage and AWS offers SMBs cutting-edge cloud innovation, real-time access to data analytics and insights, and a modern finance solution with secure and compliant data storage."

Sage Intacct has expanded regional availability on AWS to the US, after launching in the AWS US West (Oregon) Region. This move enhances existing AWS availability in the AWS Canada (Central) Region, AWS Australia (Sydney) Region, and AWS Europe (Ireland) Region, which also supports Sage Intacct in South Africa.

Rachel Skaff, Managing Director, Americas Channel and Partner Sales, AWS, adds: "We're thrilled to expand our relationship with Sage, helping small and mid-sized businesses accelerate their finance and digital transformation with access to Sage Intacct on AWS. Our secure, scalable, and reliable cloud infrastructure, combined with Sage's powerful accounting software, will directly help SMBs modernize, and gain access to the latest cloud technology."

Like customers who will benefit from the new platform in the US, Canadian not-for-profit, Hope's Home, has been able to take advantage of Sage Intacct powered by AWS. CFO Sudesh Galhenage explained: "It was essential for us have our organization's data held in a secure environment in Canada. When we learned Sage was working with AWS in Canada, we felt confident moving ahead with our digital transformation initiative."

With Sage Intacct powered by AWS, SMBs can:

- **Accelerate growth:** Anytime, anywhere access helps SMBs work smarter so they can get business done when and where it suits them. With Sage Intacct on AWS, SMBs can benefit from the flexibility, scalability, and innovation capabilities that AWS provides to grow their businesses.
- **Unlock efficiency:** With access to reports in seconds, SMBs can get all the insights and data needed to make smart decisions. This real-time visibility cuts down the need to check data accuracy, freeing up valuable time. SMBs can manage growing data volumes and different data types with ease, as core finance processes are automated.
- **Simplify security:** Sage's powerful accounting software can now leverage the security expertise of AWS. SMBs can keep data safe with rigorous security certifications and measures to prevent fraud.

AWS infrastructure supports Sage's cloud strategy which aims to give customers access to the cloud, making it simpler for them to do business. Sage is dedicated to helping customers

understand the benefits of hosting products such as Sage Intacct within efficient cloud environments and working with AWS directly supports this initiative.

American Software, Inc. Adds to Board of Directors

5 July 2023

American Software, Inc. announced that Celena Matlock will join the Company's Board of Directors as a Class B Director.

Ms. Matlock joins as the ninth member of American Software's Board of Directors. Ms. Matlock will continue to serve as the Chief Audit, Risk & ESG Officer of Sierra Space, as she has since 2022, an aerospace company that is building a shared ecosystem in space for scientific collaboration and innovation. Prior to Sierra Space, Ms. Matlock served as the Senior Vice President, Internal Audit to Aerion Supersonic, reporting to the Audit Committee to build and lead the internal audit program. Previously, Ms. Matlock held several executive positions at Warner Media and Turner Broadcasting System in financial compliance. Ms. Matlock holds a Bachelor of Business Administration, Accounting from Boston University.

Ms. Matlock's strong enterprise risk management; financial and IT controls; diversity, equity & inclusion (DEI); and internal audit background will be beneficial to American Software.

"We are pleased to have Ms. Matlock join our Board of Directors where she will bring invaluable insights regarding risk management, DEI and internal audit best practices for today's SaaS business," stated Jim Edenfield, Executive Chairman of American Software.

BuildingPoint Technology Dealer Established in the North Atlantic Region

6 July 2023

Trimble announced that a BuildingPoint™ distribution partner has been established for the North Atlantic region, covering Maine, Vermont, Rhode Island, Massachusetts and New Hampshire. **BuildingPoint North Atlantic** joins the growing BuildingPoint partners network that provides focused sales and services with a portfolio of software and hardware solutions for the Design-Build-Operate (DBO) lifecycle of buildings.

BuildingPoint dealers represent Trimble Buildings' solutions—a portfolio of synergistic hardware, software and service offerings that allow users to create and transfer constructible models throughout the DBO lifecycle. Trimble is dedicated to transforming the planning, design, construction and operation of buildings through advanced, accessible, intuitive technologies. Trimble Buildings' solutions provide an unprecedented capability to improve productivity, schedule adherence and cost discipline through tighter coordination, improved project transparency and collaboration—enabling stakeholders to realize greater agility, efficiency and insight.

BuildingPoint dealers will provide the primary vehicle for bringing Trimble's DBO solutions to the market. Experienced construction professionals in each regional BuildingPoint will support users in achieving the optimal construction technology solution for each project. This support

will consist of a combination of hardware and software, consulting, virtual design and construction services, personalized training and technical support.

Headquartered in Massachusetts, the BuildingPoint North Atlantic team will be under the leadership of Corey Bell. Corey is also the CEO for BuildingPoint Mid-America and his industry expertise and solution-driven mindset will be an asset as he launches this new dealership. Corey and his local team using their domain experience will serve architects, concrete contractors, MEP contractors, GCs and construction managers, owners, and occupiers across the DBO lifecycle of a building throughout Maine, Vermont, Rhode Island, Massachusetts and New Hampshire.

FARO Technologies Appoints Peter Lau as President and Chief Executive Officer

29 June 2023

FARO®, a global leader of 3D measurement, imaging and realization solutions for the 3D Metrology, AEC (Architecture, Engineering & Construction), and Public Safety Analytics markets, announced the appointment of Peter Lau as President and Chief Executive Officer and as a member of the Company's Board of Directors, effective July 24th, 2023.

As of Mr. Lau's start date, Mr. Wasserman will no longer be the Company's Interim Chief Executive Officer but will continue as the Company's Executive Chairman.

"Peter is a well-rounded global business leader with a strong best in class foundation and a demonstrated track record of improving business performance across diverse industrial businesses," stated Yuval Wasserman, Executive Chairman of FARO's Board of Directors. "We believe these strengths, combined with Peter's demonstrated track record of integrating software solutions into complex hardware-oriented businesses at Honeywell will accelerate FARO's strategic roadmap execution."

Mr. Lau added, "Stepping into the role of President and CEO at FARO is both an honor and an opportunity. FARO has established itself as a global leader in digital reality capture solutions and our mission moving forward is to solidify our position with the convergence of hardware, software, and immersive technologies. By harnessing the power of digital reality solutions, our goal is to enable customers to realize greater operating efficiencies by seamlessly blending the physical and virtual worlds."

Peter Lau recently served as Chief Executive Officer and a board member of Catalyst Nutraceuticals. Previously, Mr. Lau held several senior executive positions including President and CEO of divisions within Hubbell, Honeywell and General Electric. Mr. Lau holds a B.S. degree in Business Administration from Northeastern University.

Marie Laure Ripoche named Présidente of Bechtle direct in France

30 June 2023

In Marie Laure Ripoche, Bechtle AG has found a successor from within its own ranks to fill the Managing Director position at Bechtle direct France previously held by Alain Baselga, who is taking on a new role within the Bechtle Group. Alain Baselga has been with Bechtle since

Bechtle direct entered the French market in 1999, overseeing the company's growth. On 01 July 2023, he will hand over the reins of the e-commerce company in France in order to focus on strategic projects in the country. France is Bechtle's most important e-commerce market and the company is striving to cement its position there by gaining a greater market share.

Marie Laure Ripoche has been Managing Director of Bechtle Comsoft in France for 19 years and shall continue in this role while also taking the helm of Bechtle direct. As per French nomenclature, she will become Présidente of Bechtle direct and Bechtle Comsoft France from 01 July. The aim is for both companies to better synergise and collaborate across portfolios and geographical boundaries in order to drive expansion on the market, although both brands will remain.

"We are delighted that Alain Baselga is passing on the baton to Marie Laure Ripoche, who is taking on the role with great conviction and enthusiasm. We couldn't wish for anyone better than Marie Laure Ripoche, who is exactly the right person to head both companies," says Konstantin Ebert, Executive Vice President for France, Benelux and the UK, Bechtle AG. "At the same time, this change is a fantastic opportunity for Alain Baselga to dedicate his expertise to strategic projects and we cannot thank him enough for his outstanding achievements leading Bechtle direct France over nearly 25 years.

Together with subsidiary Inmac Wstore and the CAD/CAM/PLM specialists at Cadmes, the Bechtle Group's French locations dot a line from Illkirch-Graffenstaden near Strasbourg, via Paris to Sophia Antipolis near Nice. Bechtle already counts as one of the top 5 IT companies in France where business volume totalled an impressive 825 million euros in 2022 thanks to the hard work of the 800+ Bechtle employees working there.

PDSVISION announces new CEO and changes to the Board of Directors

29 June 2023

The PDSVISION Group (PDSVISION) has shown an extensive growth recent years and holds a position as a global solution provider supporting our customers in their digitalization journeys.

To further stimulate the growth, PDSVISION today announces upcoming changes to the Management team and changes made to the Board of Directors.

New Chief Executive Officer (CEO)

PDSVISION's Board of Directors is pleased to announce the appointment of Mats Oretorp as the new Chief Executive Officer. Mats Oretorp is known within the IT sector due to his proven track record within the Dell organization where he undertook various senior leadership roles in Western/Central & Northern Europe. Mats will begin the role effective August 7, 2023.

I am honored to join PDSVISION as CEO and lead this experienced and committed global team. PDSVISION is on a growth journey where continuity is one of the key success factors. Therefore, I feel confident in the setup where I will work closely with the current CEO Johan Klingvall and the Board to realize PDSVISION's strategies. In addition, I am committed to continue to foster the strong company culture empowering our talented individuals and delivering unparalleled value to our customers.

Mats Oretorp

Newly assigned CEO, PDSVISION

After an extensive search process, I'm excited to introduce our new Chief Executive Officer as a natural step in PDSVISION's development and continuous growth. With Mats onboard we strengthen our experience from his operating larger global organizations from a strategic and management perspective. We strongly believe we have found a people's person in Mats, a highly important capability leading our experienced and committed global team. Looking forward to work closely together with Mats and continue our journey.

Johan Klingvall

Current CEO & Chairman, PDSVISION

New Chairman of the Board

Johan Klingvall will hand over his position as CEO of PDSVISION and has been appointed as Chairman of the Board of directors at PDSVISION. Besides the board assignment Johan Klingvall will continue to work with the PDSVISION organization full time to continue to develop and grow the business.

Additional changes of the Board of Directors

In addition, it is announced that Robert Thibeault and Robin Westberg, CapMan, will join the board of directors.

Robert Thibeault, based in Boston US, has extensive experience in sales and executive management positions leading technology organizations including Ansys, PTC and most recently as adviser for Aptean.

"I am excited to welcome Bob to the PDSVISION Board. Bob adds an impressive experience from 45 years in High tech companies working in Corporate Finance, Sales Operations and Channel Business Development functions. With Bob joining the Board we reflect the business landscape we operate in today, where North America is our biggest business region"

Johan Klingvall, Current CEO & Chairman, PDSVISION

The PDSVISION Board will comprise of

- Johan Klingvall (Chairman of the Board)
- Johan Pålsson
- Robin Westberg
- Johan Torstensson
- Robert Thibeault

SimScale Strengthens Presence in Asia through Strategic Partnership with KKE Japan

26 June 2023

SimScale GmbH, the provider of the world's first SaaS application for engineering simulation, empowers every engineer to innovate faster by making high-fidelity engineering simulation truly accessible from everywhere and at any scale.

SimScale has partnered with KKE to bring simulation to a wider market focused on Asia. KKE is a leading consulting and advisory firm headquartered in Tokyo, Japan and involved with solving various problems in society by utilizing engineering knowledge since its inception in 1956. Starting out as a structural design office, KKE is now a design and engineering company that bridges academia and the industrial world and consists of engineering professionals who provide knowledge and know-how across construction, disaster prevention, telecommunication, manufacturing and decision-making support.

SimScale is a unique product innovation platform supporting the digital transformation of product design. Organization-wide simulation deployment becomes technically and economically feasible with central control over cost, usage, and quality. Engineers have access to early and broad simulation use, reducing time-to-market and design risk while increasing product performance. Simulation in the cloud leverages scalable high-performance computing with flexible pricing models and is a cheaper alternative to traditional desktop-based software tools. Global engineering firms across industries including automotive, manufacturing, architecture, electronics, lighting, medical, and academia use SimScale to innovate faster and reduce product development costs.

KKE and SimScale will show customers how to digitally transform their product design and development processes and have announced a series of launch events in Japan on July 25th and 27th where SimScale CEO David Heiny will be presenting.

Synopsys and Golden Electronics Collaborate to Expand Chip Design Talent in Jordan

3 July 2023

Synopsys, Inc. and Golden Electronics, an IC development services company based in Amman, are collaborating to increase the number of industry-ready chip design engineers in Jordan. The collaboration is in the form of a very large-scale integration (VLSI) talent acceleration initiative built on Golden Electronics' acquisition of multiple licenses for Synopsys' leading electronic design automation (EDA) software, educational design kits and microelectronics curriculum.

Lack of access to industry-grade design tools for microelectronic design is a common issue facing university students and recent engineering graduates in Jordan. This drew the attention of Synopsys Academic & Research Alliances (SARA), a team dedicated to bridging academia and industry to build the next generation of semiconductor design talent. The resultant collaboration with Golden Electronics enables it to build a pipeline of skilled engineers, helping

the company expand its engineering base in Jordan by engaging university students and recent engineering graduates, and upgrading their microelectronics design skills.

“There is incredible worldwide demand for skilled engineers capable of developing state-of-the-art integrated circuits (ICs), and Synopsys has a track record of fostering talent development in emerging technology centers,” said Robert Li, sales vice president of Synopsys Taiwan and South Asia. “The opportunity to work with Golden Electronics is an exact fit with our talent and ecosystem nurture strategy and we expect to see them making major progress in increasing the pool of skilled microelectronics engineers in Jordan.”

“Golden Electronics is at the forefront of IC development in Jordan,” said Khaldoon Abugharbieh, CEO of Golden Electronics. “We welcome this key initiative with an industry leader like Synopsys. It provides Golden Electronics with Synopsys industry-grade tools and vital access to the company’s educational design kits and microelectronics curriculum. The combination of technology and teaching materials will allow us to extend our outreach across Jordanian universities and upgrade the skills of engineering students and graduates. As Golden Electronics prepares to scale up, a robust pipeline of skilled microelectronics engineers is key.”

Event News

Building On Collaboration: Nemetschek Group is Presenting at digitalBAU Conference

3 July 2023

The Nemetschek Group, a leading global software provider for the construction and media industries, is using this year's digitalBAU Conference as a stage for its comprehensive range of solutions along the building lifecycle. On all three days of the event, experts from the nine participating Nemetschek brands will provide insightful presentations, covering key topics such as sustainability, collaboration or BIM workflows.

The digitalBAU Conference will be held for the first time this year and is planned to alternate annually with digitalBAU in Cologne going forward. The venue for the new conference format is be the ICM and Hall C6 of Messe München between July 4 and 6. During the three days, the focus will be on knowledge transfer, networking, and interactive exchange. The Nemetschek Group is presenting its solutions for the entire building lifecycle together with the brands ALLPLAN, Bluebeam, CREM Solutions, Graphisoft, Nemetschek Engineering (FRILO, SCIA), Nevaris, Solibri and Vectorworks centrally in Hall C6, at booth number 305/2.

The construction industry is facing major challenges, which will be addressed at digitalBAU Conference: How can the industry plan, build and operate more sustainably? What role do digital twins and artificial intelligence play in increasing efficiency and transparency in projects? And how can improved collaboration between the numerous trades within a project be achieved and what benefits does this have for the industry?

These and other topics can also be found in the Nemetschek Group's extensive program of presentations:

Tuesday, July 4:

3pm – 3:30pm: Rule-Based Quality Control and Assurance of BIM Models: The Rule Set Manager as a Control Center for Digital Knowledge

Andreas Verfürth, Solibri

3:30pm – 4pm: Simply Digital. Simply Sustainable.

Ruth Schiffmann, Bluebeam & NEVARIS

4:30pm – 5pm: Sustainability in Focus: Efficient Workplace and Energy Software Solutions for a Green Future

Janis Hopfer, CREM Solutions

5pm – 5:30pm: Green BIM

Stefan Kaufmann, ALLPLAN

Wednesday, July 5

3pm – 3:30pm: Leveraging the Power of Integrations between Nemetschek Products for the entire Building Lifecycle (in English)

Gerard Valdivia, dRofus & Ashmeet Singh Sahni, Graphisoft

3:30pm – 4pm: Intelligent Building Monitoring with Scan & BIM

Tilman Köberlein, Imerso

4:30pm – 5pm: Customized Automation in BIM Planning

Stefan Kaufmann, ALLPLAN

5pm – 5:30pm: Rule-based Quality Control and Assurance of BIM Models: Passive Structural Fire Protection

Andreas Verfürth, Solibri

Thursday, July 6

9:30am – 10am: BIM(M), LEAN & Life Cycle Assessment - From Buzzwords to Implementation
Heinz-Michael Ruhland, NEVARIS

10am - 10:30am: Rule-Based Quality Control and Assurance of BIM Models: Becoming a BIM Champion with Solibri buildingSMART

Andreas Verfürth, Solibri

11am - 11:30am: BIM Workflows

Jacqueline Tschida, Vectorworks & Ruth Wassermann

11:30am – 12am: BIM Workflow From Model to Structural Analysis

Tamara Schäfer, SCIA & FRILO (Nemetschek Engineering)

EPLAN Forum for Automated Engineering

28 June 2023

At the EFIA 2023 – the global forum for EPLAN Automated Engineering – you will discover strategies for modularising your machines and products, and for standardising and

automating your EPLAN engineering. The EFIA is the perfect platform for high-calibre presentations and inspiring conversations – live on location in Düsseldorf or online from around the world.

The following fascinating topics await you – both live and online – in presentations by international companies, in workshops and during networking opportunities:

UpSpace: Dive into the virtual world of the company Craft Future Tecc.

In cooperation with CIDEON, we make it possible to automate mechatronic engineering and the generation of complete documentation for mechanical and electrical engineering, including the mechatronic bills of materials. Put on your goggles and go!

Meet & Match: It's no longer a question of if, but of how! Talk shop and exchange ideas with other participants in a targeted way.

Dive-In Area: It's no longer a question of if, but of how! Talk shop and exchange ideas with other participants in a targeted way.

Hands-On Sessions: Take your very first steps towards EPLAN automation and machine cabling.

Two days of intensive exchange lie ahead with one clear goal: every participant will find new approaches and get motivated for further optimising their engineering.

We hope you're looking forward to it – we're looking forward to seeing you there! You will soon be receiving the entire programme and more detailed information. You can already register for the event now (please note that the number of onsite participants is limited).

[Register now!](#)

Financial News

Invitation to presentation of Addnode Group's Interim Report January – June 2023

3 July 2023

Addnode Group is pleased to invite investors, analysts and media to a presentation where President and CEO Johan Andersson and CFO Lotta Jarleryd will present the interim report January – June 2023. After the presentation, there will be an opportunity to ask questions.

Date: Friday July 14, 2023

Time: 11:00 am CEST

Link to audiocast: <https://ir.financialhearings.com/addnode-group-q2-2023>

Link to participate via teleconference with the ability to ask questions verbally (after registration you will be provided with phone numbers and a conference ID to access the conference): <https://conference.financialhearings.com/teleconference/?id=200827>

The presentation will be held in English.

The report will be published at 10:30 am CEST the same day.

The full report, presentation and link to the audiocast will be available on www.addnodegroup.com

PROS Holdings, Inc. Announces Date of Second Quarter 2023 Financial Results Release, Conference Call, and Webcast

5 July 2023

[PROS](#)[®], a leading provider of AI-powered SaaS pricing, CPQ, revenue management, and digital offer marketing solutions, will release its financial results for the second quarter 2023 ended June 30, 2023 after the U.S. financial markets close on Tuesday, July 25, 2023.

PROS Holdings, Inc. will host a conference call on Tuesday, July 25, 2023, at 4:45 p.m. ET to discuss the company's financial results and business outlook. To access this call, dial 1-877-407-9039 (toll-free) or 1-201-689-8470.

The live and archived webcasts of this call can be accessed under the "Investor Relations" section of the Company's website at www.pros.com. A telephone replay will be available until Tuesday, August 1, 2023 at 11:59 PM ET at 1-844-512-2921 (toll-free) or 1-412-317-6671 using the pass code 13739818.

Implementation Investments

Busana Streamlines Processes with Centric PLM to Meet Global Demand

4 July 2023

Centric Software[®], the Product Lifecycle Management (PLM) market leader, proudly announces that Busana Apparel Group has successfully implemented Centric PLM[™]. Centric Software provides the most innovative enterprise solutions to plan, design, develop, source, price and sell products such as apparel, footwear, sporting goods, furniture, home décor, consumer electronics, cosmetics, food & beverage and luxury to achieve strategic and operational digital transformation goals.

Indonesia-based Busana is one of the largest garment manufacturers and exporters in the industry with a total capacity to produce and export 50 million pieces of clothing per year. Busana's goal is to expand its business to different geographic locations by working with other companies and using strategic partnerships to help create a supply chain ecosystem. With Centric PLM, Busana now has one central location for all its information, removing dependency on emails to share product development information and allowing for process standardization.

"By implementing Centric PLM, we are able to consolidate our product development information and standardize our processes," says Manish Virmani, CMO of Busana. "The ability to capture data from the source has significantly reduced the time and effort required for repetitive data entry, and the system has helped us keep track of the entire product development at any point in time.

Throughout the project, Busana received exceptional customer support from the Centric implementation team. Vijay Kumar, Senior Manager at Busana, shared, "Centric has been responsive and attentive to our needs and concerns, providing timely solutions. This is why we

were able to navigate the project smoothly and within budget. It's encouraging to see Centric's customer-centric approach in both their words and actions."

With Centric PLM, Busana has saved eight hours per style in customer communication, resulting in a 15% reduction in sample production lead time. The implementation of Centric PLM has enabled Busana to address key pain points in its product development process, improve collaboration and support its sustainability initiatives.

Aligning with sustainability goals, Busana is looking to further collaborate with Centric on improving raw material traceability, supply chain optimization and end-of-life sustainability of products in the future.

"We are proud to have Busana as one of our customers. As this partnership shows, a lot can be achieved with the right solution, teamwork and collaboration," says Chris Groves, CEO of Centric Software.

HAK Chooses Infor for a Sustainable Future Built on Efficient Business Processes

3 July 2023

Infor®, the industry cloud company, today announced that HAK, a Dutch producer of vegetables and legumes, is starting to implement Infor's CloudSuite Food & Beverage to make its business processes more efficient.

The implementation of Infor CloudSuite Food & Beverage fits HAK's growth goals. With more efficient business processes, the company will be better able to respond to changing situations in the market. HAK stands for sustainability; the company strives to become 100 percent organic for all its local vegetables and legumes, while keeping it affordable for consumers. This requires greater efficiency throughout the production chain. Also in terms of traceability, or as HAK calls it, "from soil to mouth," the new ERP-solution offers the ability to manage this even better. All in all, the CloudSuite Food & Beverage solution contributes to HAK's growth strategy.

Organization-wide implementation

The main goal of deploying Infor's industry-specific CloudSuite is to increase efficiency in supply chain planning and warehouse management. A lot is still done manually there. The entire organization is involved in the implementation. The operational flows are the most important, but every discipline will eventually start working with the system.

Prepared for the future, innovation and growth

Developments in the food industry are occurring at an increasingly rapid pace. To be well prepared for the future and to meet its growth objectives, HAK chose Infor CloudSuite Food & Beverage, a solution developed specifically for food producers and available as an always up-to-date cloud service that is constantly updated with new features and innovations. This allows HAK to accelerate the company's development and innovation.

Perfect match

"Infor's approach fits in well with the way in which HAK operates," says Maikel Jongenelis, CFO at HAK. "More than 85 percent of our processes that we want to address are included as standard processes in the Infor solution, especially in the areas of supply chain planning and

warehouse management. So, little work needs to be done. In addition, we work with a quality information system that is known to Infor and has also been included in previous implementations at other Infor customers. So, there is also easy integration there.”

“HAK is a wonderful Dutch food producer,” said Marcel Koks, food industry strategy leader at Infor. “They were looking for an industry-specific solution that meets their business objectives and also fits their company culture. They have found a match for both in Infor CloudSuite Food & Beverage.”

Infor CloudSuite Food & Beverage

Infor CloudSuite Food & Beverage makes it possible to drive efficiencies in food manufacturers' supply chains and bring new products to market faster. The platform provides ERP solutions for all major food industry segments, including bakery, beverage, dairy, meat and poultry, prepared and refrigerated products, and food ingredients.

Italian telecommunications operator Fastweb selects HPE GreenLake to modernize its cloud services and reduce time to market

6 July 2023

Hewlett Packard Enterprise announced that Fastweb S.p.A, one of the leading telecom operators in Italy, has selected the HPE GreenLake edge-to-cloud platform, the market-leading cloud services platform from Hewlett Packard Enterprise (HPE), to modernize its Fastcloud Business Unit to accelerate new service deployment and improve agility. The new platform also enhances governance, security, and operations with improved visibility of utilization and costs.

Fastweb has 3.1 million customers on fixed network and 3 million on mobile network. Its business unit, Fastcloud, provides cloud solutions for enterprises and government departments, ranging from infrastructure as a service (IaaS) to software as a service (SaaS), including artificial intelligence (AI), big data analytics and internet of things (IoT). Its Fastcloud Business Unit was looking to modernize its technology environment to enable faster service deployments for its cloud service portfolio but wanted to avoid costly overprovisioning, and thus also minimize the resources required for power and cooling.

HPE has found that customers transitioning to HPE GreenLake from traditional CapEx models can achieve a greater than 30% reduction in energy costs and total cost of ownership over 5 years.

“HPE GreenLake provides a platform that allows us to deliver innovative cloud services to our customers that can help them grow their businesses and become more competitive in their markets,” said Domenico Impelliceri, Fastcloud Director, Fastweb. “With this solution we gain better insights into capacity utilization and energy consumption, so we can prevent overprovisioning and better manage our costs and carbon footprint which is critical for our business.”

“We are proud that Fastweb has chosen HPE GreenLake as their strategic partner for their cloud journey,” said Mauro Colombo, Director, Technology and Innovation, Italy at Hewlett Packard Enterprise. “HPE GreenLake is a unique platform that enables customers to consume IT

resources as a service across their entire infrastructure - from edge to cloud - with consistent performance, governance and compliance. This way, Fastweb can focus on added value services for their customers while we provide IT cloud services.”

In this case for our work with Fastweb, we have delivered the solution with the collaboration of Npo Sistemi , an Italian company specialized in IT solutions and services, is an authorized partner of HPE for delivering HPE GreenLake services.

“NPO Sistemi has been collaborating with Fastweb for many years on various projects related to cloud computing and data center optimization,” said Stefano Lombardi, Marketing Director at Npo Sistemi, a Ricoh Company. “We are honored that they have entrusted us once again with this important project that leverages our expertise in delivering HPE GreenLake services. We are confident that this solution will bring great benefits both for Fastweb and for their customers.”

MADI International Digitizes its Warehousing with Infor and SNS to Tap Surging Demand for Cosmetics

5 July 2023

Infor®, the industry cloud company, announced that MADI International, a leading UAE-based supplier of cosmetics, has deployed Infor WMS to help digitize its warehousing and inventory management, as it seeks to tap surging demand for health and beauty products in the region.

The Infor solution, which was implemented by SNS, a leading provider of supply chain consultancy and software implementation, will support a shift from a third-party logistics (3PL) model to insourced warehousing operations. The platform will be fully integrated with MADI’s existing ERP platform, optimizing inventory and fulfilment accuracy, and streamlining distribution operations.

The beauty and personal care market in the Middle East and Africa is expected to reach USD \$58.3 billion by 2025, according to Euromonitor International. In the wake of business growth, MADI required a new warehousing and inventory management system that could scale to support its growing business needs. After an extensive search, the beauty leader selected SNS to implement Infor WMS based on its best-in-class reputation, ability to integrate with existing systems via APIs, and cloud deployment model.

Designed to optimize warehouse processes and increase inventory accuracy, Infor WMS is already delivering real-time visibility into MADI’s stock levels, allowing for more efficient order fulfilment and reducing the risk of stock-outs. In addition, the cloud-based warehouse management solution’s powerful analytics and reporting tools will deliver insights into inventory and distribution operations that were previously unavailable.

"We are excited to have gone live with Infor WMS," comments Rabih Madi, chief operating officer of MADI International. "We are already seeing the benefits of the new system, with increased efficiency and accuracy in our inventory and distribution operations. We are confident this investment will pay off in the long run and help us grow our business."

"We are delighted to have partnered with MADi International on this project," said Mohamed Obaidah, director of services at SNS. "Our team has worked tirelessly to ensure a seamless implementation, and we are confident that Infor WMS will be a game-changer for MADi's new insourced business model."

"Complexity and volatility are the new norms for supply chains, and against this backdrop, we are seeing a growing number of organisations adjust their business models to reduce risk and increase agility," comments Mario Ghosn, SNS general manager. "The successful implementation of Infor WMS at MADi International is testament to the expertise of SNS in the field of supply chain innovation and digitalization. With a proven track record of delivering customized solutions to businesses, SNS is poised to continue its growth trajectory and expand its reach into new markets."

Kerry Koutsikos, Infor VP & GM for EMEA emerging markets, said: "By selecting Infor WMS, MADi International will gain full visibility and control over its warehousing and inventory management, enabling it to focus on serving its customers and driving its regional growth strategy. We look forward to continuing to support MADi International in the coming years."

Morgan Motor Company goes live with upgrade to IFS Cloud to drive efficiencies and enhance customer experience

4 July 2023

IFS, the global cloud enterprise software company, announced that British sports car manufacturer, Morgan Motor Company, has gone live with the IFS Cloud ERP software solution as it looks to drive operational efficiencies and improve the customer experience.

Morgan was looking for a solution that enabled it to coordinate its manufacturing, supply chain and spare parts requirements and deliver efficiencies across all its internal operational processes end-to-end. At the same time, it is continually launching new models, including the recent Morgan Super 3, and needed to ensure it was delivering the optimum purchasing and after-sales service to customers.

IFS Cloud is now driving operational efficiencies for Morgan Motor Company across its business processes. The enhanced flow of data it facilitates with customers strengthens decision-making and allows the manufacturer to hone its vehicle and service offerings to accurately meet customer needs.

As a long-term IFS customer, Morgan earned a place in the IFS Pioneer Program, an initiative for select IFS customers that, through enhanced technical support and consulting, offers an accelerated go-live on a new IFS Cloud version ahead of release to the wider market. Morgan Motor Company is now the first UK Pioneer Program customer to go live on the latest version of IFS Cloud.

Following the go-live, which took place seamlessly over a weekend, Morgan instantly had 160 users up and running on the solution, which currently supports sales, manufacturing, projects, purchasing, inventory and finance processes. The IFS R&D, global consulting and unified support teams are actively engaging with these users and facilitating the pioneer program and

will provide ongoing support, including quickly escalating and addressing issues as and when required.

Daniel Godwin, Business Systems Development and Support (IFS), Morgan Motor Company, said: “In the current economic climate, specialist automotive manufacturers are having to manage the challenges of supply chain disruption, rising costs and the ongoing need to drive sustainability.

“We have been using and working with IFS for nearly ten years, and in that time, we have gained complete trust in them and their product. We know that with the help of their expert support and versatile technology, we will navigate a safe passage through these complex challenges.

“Using IFS Cloud will allow us to streamline our processes, improving operational efficiencies, and we can reduce costs by eliminating our onsite hosting expenses. Knowing that the solution is 'evergreen' means that we get regular updates and always have access to the latest functionality.”

Looking to the future, Morgan is focused on ensuring IFS Cloud helps to complement and enhance its ongoing focus on environmental efficiency. By enabling the company to achieve greater visibility over its operations, IFS Cloud will help it deliver sustainability initiatives and better manage and measure its ESG performance.

Christian Pedersen, Chief Product Officer, said: “Morgan is a compelling blend of traditional craftsmanship with modern technology and innovation. The team is proud of its legacy and culture but is also committed to working with us to get the most out of the move to IFS Cloud and ensure we are constantly bringing in new capabilities and helping them build resilience within their business. We have built a great trust-based partnership with them and look forward to what the future relationship will bring.”

Promatec chooses CADENAS to integrate the CAD showcase of CPC products into its e-commerce site

3 July 2023

Promatec chooses CADENAS to offer customers CAD models of CPC products. Brand visibility and competitive advantage guaranteed

Promatec, the official distributor of quick-release couplings and fittings of the well-known CPC brand for the low-pressure and biopharmaceutical markets, has chosen to integrate the CAD showcase of CPC products developed by CADENAS into its new e-commerce website. Promatec chose this customised and integrated solution on its website to allow users to get to know this platform and use it to download 3D drawings in various formats and to offer a high level of service in every respect.

CPC quick-release couplings, available in a wide range of thermoplastic materials, can carry fluids, liquid or gaseous, from 0 to up to 800 bar, offering the advantage of being disconnected without spillage. With more than 10,000 configurations, Promatec's strength is the production of customised pre-assembled kits on request.

With the publication of the CAD catalog of CPC products integrated into the e-commerce site, Promatec expects to achieve greater brand visibility, to receive new enquiries and custom designs from new potential customers. The aim is to make Promatec known as the point of reference for the creation and design of customised kits, offering a high level of service in every respect. The distribution of CAD models of their products will offer designers the possibility to immediately use CPC products in their projects, improving efficiency and design accuracy and offering a competitive advantage in the market.

As Martina Radaelli, Communication Manager at Promatec, puts it: "We chose CADENAS to integrate the ability to expand the CAD showcase of CPC products into our new e-commerce site. We were looking for a customised and integrated solution to our website, which would allow technicians and users to get to know this platform and use it to download 3D or 2D drawings in various formats and offer a consequently high level of service in every respect. We expect to increase the visibility of our brand, to receive new enquiries and customised projects from new potential customers. We would like to make Promatec known as the point of reference for the production and design of kits."

Renesas Chooses Altium to Unify Company-Wide PCB Development and Accelerate Solution Design for Partners and Customers

27 June 2023

Renesas Electronics Corporation, a premier supplier of advanced semiconductor solutions, announced that it has standardized development of all printed-circuit board (PCB) design on the Altium 365 cloud-based platform from Altium, LLC, a global software company based in San Diego, Calif.

Renesas currently employs multiple PCB design tools across the company, in part because different companies that Renesas has acquired over the past several years have brought their own legacy software into the company. As Renesas integrates components from these different groups into system solutions as Winning Combinations, a uniform PCB design tool will streamline board designs used for demonstrating and evaluating these Winning Combinations and all other product kits, resulting in reduced complexity, improved cost structure and faster time to market.

Renesas' Winning Combinations are engineering-vetted designs integrating embedded processing, analog, power, and connectivity. They allow customers to take advantage of an elevated platform for their design ideas, accelerating product development cycles and lowering overall risk in bringing designs to market. Renesas now offers more than 400 Winning Combinations for a wide range of customers and markets.

Altium 365 is the leading cloud-based PCB design platform. With Altium 365, users can collaborate with stakeholders and other participants while maintaining IP security and keeping designs under revision control. Users can organize designs, libraries, and participants in one place while sharing links to designs for real-time collaboration. With the use of CAD-specific intelligence, data can be stored and accessed online. Renesas will publish all its products' ECAD libraries to the Altium Public Vault. With features such as manufacturer part search on

Altium365, customers can choose Renesas parts directly from the **Altium library** for faster time to market.

“Renesas has made a commitment to digital transformation and making the customer design process easier,” said **Chris Alexandre, Senior Vice President, CSMO and Head of the Global Sales and Marketing Unit at Renesas**. “The ECAD tool migration is an important step in our journey, and we look forward to continuing collaboration and to strengthening our partnership with Altium.”

“This migration tightly aligns with Renesas’ solution and digitalization strategy, which includes **Quick-Connect Platforms** and other strategic initiatives,” said **DK Singh, VP Renesas System and Solution Team**. “This development workflow harmonization will enable internal global collaboration and make it easier for customers to integrate Renesas products and solutions into their systems.”

Renesas will continue to offer full support to customers leveraging ECAD design platforms other than Altium and provide ECAD libraries for other ECAD tools as needed by customers. We are strengthening our partnership with Altium, and this ECAD tool unification is the first chapter of our journey as we work on multiple initiatives to strengthen our “broader and deeper” market strategy.

“Renesas is truly a world leader in the semiconductor business, with one of the industry’s broadest product lineups and a design footprint that spans the globe,” said **Marc Boonen, Chief Commercial Officer at Altium**. “We are proud that Renesas has chosen Altium 365 as their platform of choice and are looking forward to working together to deliver high-quality integrated solutions faster and less expensively than ever before.”

Sansan Solidifies a Strong Digital Foundation with Centric PLM

6 July 2023

Centric Software® , the Product Lifecycle Management (PLM) market leader, proudly announces its partnership with PT. Sansan Saudaratex Jaya, Indonesia’s leading garment manufacturer and apparel exporter. Centric Software provides the most innovative enterprise solutions to plan, design, develop, source, price and sell products such as apparel, footwear, sporting goods, furniture, home décor, consumer electronics, cosmetics, food & beverage and luxury to achieve strategic and operational digital transformation goals.

Founded in 1987 in Indonesia, PT. Sansan Saudaratex Jaya provides a one-stop solution in garment manufacturing and export to some of the world’s most recognized fashion brands. The company employs more than 6000 people across 7 production units spread out across 2 provinces and 5 cities all over Java island in Indonesia.

With a 20% increase in its target revenue this year, Sansan needs to work more efficiently to meet its goals. One of the key challenges lies in the lack of quick and easy access to accurate information needed to carry out their functions effectively. Without a centralized source of truth, the teams spend an unnecessary amount of time searching for information, which in turn exposes the company to the risk of losing valuable business opportunities.

Commercial Manager at Sansan, Billy Danubrata says, “Each team has their own shared storage with different ways for naming and storing files. There is no implemented standard or one true source to access real-time data. That’s why it’s very challenging for us to track orders and find product information across various departments.”

Currently, the company aims to consolidate all data in a unified platform to improve visibility and reduce lead time for customer orders. As such, Sansan recognized the necessity of a Product Lifecycle Management (PLM) solution as their digital foundation, prioritizing alignment with their customers’ requirements from the outset, prior to business execution on other software such as ERP.

In the end, Sansan selected Centric PLM™ for the transformation. Danubrata explains why, “I believe Centric not only provides software but also offers industry best practices. After engaging with the Centric team, we appreciate their transparency and integrity; both are very meaningful to us. I am also impressed by the user-friendly interface. The solution is easy to navigate, making it accessible for anyone on the team,” says Danubrata.

“We are delighted to partner with Sansan, a reputable manufacturing company in the world of fashion,” states Fabrice Canonge, President of Centric Software. “Centric PLM will facilitate increased business efficiency and agility, improvements experienced by many other leading fashion manufacturers around the globe.”

Siemens partners with PRODEA Investments to create smart, sustainable buildings in Greece

6 July 2023

Siemens, a global leading technology company in infrastructure, mobility and industry, has partnered with PRODEA Investments, the leading real estate investment company in Greece and one of the largest in Southeast Europe, for the implementation of Building X, a Siemens digital building platform. The partnership seeks to accelerate PRODEA Investments’ digital transformation and reduce the carbon footprint of existing and under development building assets across its real estate portfolio in Greece, as well as to offer added value services to its tenants. Building X, from Siemens Smart Infrastructure, is a scalable platform to digitalize, manage, and optimize building operations, allowing for enhanced user experience, increased performance, and improved sustainability. It is part of Siemens Xcelerator, the company’s digital business platform, enabling customers to accelerate their digital transformation easier, faster and at scale.

The two companies signed a Strategic Cooperation Agreement, which starts with a pilot implementation of Building X that includes the connection of two PRODEA Investments’ properties in Athens; their headquarters and Ilida Building, where Siemens Greece headquarters are located. PRODEA Investments’ goal is to proceed to the gradual connection of the big office buildings of its portfolio, as well as buildings for different use, such as logistics centers and hotels. Building X can be implemented in buildings of various sizes and connectivity requirements.

Dr. Aris Karytinis, CEO of PRODEA Investments, stated: “PRODEA Investments is dynamically entering the era of the 4th Industrial Revolution by leveraging the high expertise of Siemens. It incorporates innovation while serving its strategy for more sustainable and user-centered buildings. This collaboration leverages technology as an accelerator of sustainability. It is a step that will contribute overall to the development of high-tech investments in the field of real estate.”

“We are delighted to embark on this partnership and co-creation with PRODEA Investments to accelerate their digital transformation with Building X. Siemens’ capabilities of connecting the real and digital worlds makes it a strong partner for companies looking to get the most out of their physical assets while addressing their decarbonization goals. We’re looking forward to close collaboration at the facility and engineering levels between PRODEA Investments and Siemens, with the goal to ensure reduced energy consumption, sustainability and lower total cost of ownership for buildings, while improving portfolio valuation for PRODEA Investments,” said Rahul Chillar, Head of Building X at Siemens Smart Infrastructure.

Building X is a modular, fully cloud-based open platform, with AI-enabled applications, strong connectivity, and built-in cybersecurity, offers a seamless experience across all applications such as energy management, security and building operations. Through Building X, PRODEA Investments will be able to make decisions about the energy management of its building portfolio based on real data analytics. Building X will help the company achieve its sustainability goals for its buildings as well as providing additional innovative services to its tenants, while maintaining high safety standards. The use of Artificial Intelligence as part of the Building X platform will enable PRODEA Investments to identify areas of energy overconsumption and accurately predict the energy performance of its buildings based on live usage data.

Product News

Cadence Delivers Certified, Innovative Backside Implementation Flow to Support Samsung Foundry SF2 Technology

28 June 2023

Cadence Design Systems, Inc. announced that it has delivered a complete, certified backside implementation flow to support Samsung Foundry’s SF2 process node. This latest collaboration between Cadence and Samsung Foundry enables customers to leverage the Cadence® digital full flow and corresponding process design kit (PDK) to speed next-generation mobile, automotive, AI and hyperscale chip design innovation. The flow has already been validated with the completion of a successful 2nm test chip tapeout.

The complete Cadence RTL-to-GDS flow that is optimized for the Samsung Foundry 2nm process technology includes the Genus™ Synthesis Solution, Innovus™ Implementation System, Integrity™ 3D-IC platform, Quantus™ Extraction Solution, Pegasus™ Verification System, Voltus™ IC Power Integrity Solution, Tempus™ Timing Signoff Solution and Tempus ECO Option. Backside routing improves PPA results and reduces congestion on the frontside layers and can be used

for power distribution networks, clock tree nets and signal routing. Accordingly, the four Innovus Implementation System engines have been optimized for the Samsung Foundry 2nm process:

- Innovus GigaPlace engine automatically places and legalizes a nano through silicon via (nTSV) structure, allowing a connection between frontside and backside layers
- Innovus GigaOpt engine uses backside layers for timing-critical long wires to improve chip performance
- Innovus NanoRoute engine inherently supports backside routing based on rules in the technology's Library Exchange Format (LEF)

In addition to the Innovus Implementation System engine capabilities that support SF2 technology, the Quantus Extraction Solution fully supports backside layers to enable the Tempus Timing Solution to sign off designs with a mix of frontside and backside layers, delivering reduced voltage drop on the power distribution mesh and improved routability on the frontside metal layers.

"Through our ongoing collaborations with Cadence, we're consistently looking for new ways to help our mutual customers accelerate next-generation design innovation," said Sangyun Kim, vice president of the Foundry Design Technology Team at Samsung Electronics. "The successful rollout of this backside design flow, fully supported by the Cadence digital flow, lets customers reap the benefits of our advanced SF2 technology."

"Designers can speed time to market by leveraging our collaboration with Samsung Foundry on the complete RTL-to-GDS flow and SF2 technology," said Vivek Mishra, corporate vice president in the Digital & Signoff Group at Cadence. "We've already seen a successful tapeout, and we're looking forward to seeing our customers achieve many more design successes using our latest technologies."

Cadence Digital and Custom/Analog Design Flows Certified for Samsung Foundry's SF2 and SF3 Process Technologies

28 June 2023

Cadence Design Systems, Inc. announced that its digital and custom/analog flows achieved certification for Samsung Foundry's SF2 and SF3 process technologies. The two companies also worked together to create new process design kits (PDKs) that simplify mobile, automotive, AI and hyperscale IC design at these latest nodes. Joint customers are actively developing SF2- and SF3-based designs using the Cadence® flows.

Cadence Digital Tools Optimized for SF2 and SF3 Technologies

Cadence's comprehensive Cadence RTL-to-GDS design flow that supports Samsung's SF2 and SF3 technologies provides optimal power, performance and area (PPA). The flow includes the Genus™ Synthesis Solution, Modus DFT Software Solution, Innovus™ Implementation System, Quantus™ Extraction Solution and Quantus Field Solver, Tempus™ Timing Signoff Solution and

Tempus ECO Option, Pegasus™ Verification System, Liberate™ Characterization Portfolio, Voltus™ IC Power Integrity Solution and the Cadence Cerebrus™ Intelligent Chip Explorer.

With the certified flow, customers have access to several features that ease IC design at advanced nodes, such as cell-swapping support, which helps designers align cell pins for direct connections to conserve routing resources; support for mixed-row solutions in various combinations to maximize area-based design rules; the ability to place and refine traces using mask-shifted cells and horizontal half-track shifted cells to reduce displacement; support for various rectilinear standard cells to achieve higher density; and reduced IR drop due to the insertion of enhanced, trim-aware via staples.

Cadence Custom/Analog Tools Optimized for SF2 and SF3 Technologies

Cadence custom and analog tools optimized for Samsung's SF3 and SF2 nodes include the AI-based Virtuoso® Studio design tools—Virtuoso Schematic Editor, Virtuoso ADE Suite and Cadence Virtuoso Layout Suite—the Spectre® Simulation Platform—Spectre X Simulator, Spectre FX and Spectre RF—as well as the Voltus™ -XFi Custom Power Integrity Solution.

The custom/analog design tools provide customers with several benefits, such as better corner simulation management, statistical analyses, design centering and circuit optimization; support for parallel operations on modern compute farms and private and public cloud configurations; better performance and scalability throughout the layout environment; mixed-signal OpenAccess design kits for seamless integration with the Innovus Implementation's place-and-route engines for improved quality of results; summarized EM-IR information, which highlights violations and details on resistance value, metal layer, width, and length information; and feedback regarding circuit performance and reliability.

"Through our latest collaboration with Cadence, we've seen early customers improve productivity with the Cadence-certified design flows and our advanced SF2 and SF3 process technologies," said Sangyun Kim, vice president of the Foundry Design Technology Team at Samsung Electronics. "With the new PDKs, we're making it easier for developers of next-generation mobile, automotive, AI and hyperscale designs to adopt our technologies and deliver innovations to market faster."

"The Cadence R&D team worked tirelessly with the Samsung Foundry team to fine-tune our digital and custom/analog flows for Samsung's SF2 and SF3 process technologies, delivering a wide range of benefits that help customers design much more efficiently," said Vivek Mishra, corporate vice president in the Digital & Signoff Group at Cadence. "Our digital flow provides PPA advantages, and our custom/analog flow, anchored by Virtuoso Studio, sets a new standard for custom IP creation, enabling our mutual customers to push the boundaries of innovation with Samsung's SF2 and SF3 process technologies."

Chaos Releases Vantage 2, a Standalone Real-Time Ray Tracer for Archviz and VFX

28 June 2023

Chaos announces the release of Chaos Vantage 2, a massive upgrade to the most realistic real-time visualization tool on the market. With nearly 20 major new features, Vantage has become as powerful for VFX as it is for architectural visualization, providing easy access to photorealistic animations, previs and scene explorations at lightning speeds.

“In 3D, you tend to wait for quality and people accept this, even when it disrupts their whole flow,” said Simeon Balabanov, Senior Product Manager at Chaos. “With Vantage 2, we are giving them quality, speed and flexibility in one place, so they can respond to any creative idea or client request.”

Representing years of proprietary R&D, Vantage was designed to help users instantly explore massive 3D scenes in a fully ray-traced, real-time environment. Unlike traditional real-time methods, the import process is simple — no geometry to optimize, UVs to unwrap, or lighting to bake. Users simply drag and drop a V-Ray scene, or Live-Link to Vantage while working within their favorite 3D creation tool, to bring it into real time with astounding quality.

Vantage 2 builds on this simplicity, adding new features that make it even more attuned to over-the-shoulder reviews and look development. With **Scene States**, artists can easily respond to both needs, using non-destructive variations to explore different styles, moods and camera angles. Each state can easily be saved and cycled through with a click, making it easier for teams to determine which lighting, materials or post-processing effects will appeal most to their intended viewers.

To enhance realism, Vantage 2 now features a host of new animation capabilities, including support for deforming meshes, XYZ's anima 4D people and eye-catching .vrscene effects that have only been available in V-Ray. **Deforming Meshes** will be particularly striking for artists, as they'll open up the type of natural movements you often see in human bodies, which bend and contort as different parts move. VFX artists will also be delighted to finally have access to **real-time Playblasts**, packed with all the detailed lighting and shader information that usually gets left out of their director/supervisor reviews.

"Vantage's speed is just unbelievable. 20K images are taking 20 minutes," said Dương Thanh Nguyễn, Founder at BOC Studio. "This is especially helpful because our clients are looking for fewer iterations and faster feedback. Vantage helps us interact with them more effectively, so they can explore their projects, see changes and make important decisions faster — even while collaborating online."

The addition of **Render Elements** (aka AOVs) has also prepared Vantage for the world of production rendering, which requires careful composites to achieve the best look. Rendered output can now be split into their back-to-beauty components for real-time editing in post, enabling more artistic effects and quick integration with live-action footage.

Other New Features Include:

- **Chaos Scatter** — Millions of 3D objects can now be distributed in just a few clicks, easily forming forests, fields and crowds without weighing down the scene.
- **NVIDIA AI Denoiser with Upscaling** — Quickly denoise high-quality images or take them from HD to 4K without adding more render time.
- **New Animation Effects** — All animated materials, textures and lights within .vrscenes work seamlessly in Vantage, from flickering and fading lights to moving tiling offsets.
- **Light Creation and Placement** — Different light types can now be efficiently created directly within Vantage, helping designers conduct lookdev without a 3D creation tool.
- **Scattering Fog** — Set the mood for your scenes with realistic environmental effects, including god rays, light shafts through windows, streetlights and volumetric fog that comes with realistic light scattering.
- **Quality Presets** — Users can now set the quality and interaction speed of their visualization with a single slider.
- **NVIDIA RTXDI** — Pack scenes with dynamic lights without worrying about performance or resource constraints.
- **HDR Monitor Support** — Pick up every color and detail of a project thanks to new HDR monitor support.
- **Nested Scenes** — .vrscenes referenced within other .vrscenes are now supported, enabling more scene assembly scenarios between 3D creation tools.
- **Orthographic Cameras** — Easily create plan, elevation or axonometric renderings with orthographic camera projection.
- **Mesh Lights** — Full and efficient support for Mesh Lights has been added to .vrscenes, enhancing the artistic lighting possibilities authored with V-Ray.
- **Camera Grouping with States Override** — For over-the-shoulder discussions with clients, Vantage 2 offers better and more structured grouping cameras and assigned states.
- **Multiple UV Channel Support** — Sophisticated materials, such as stacking labels and decals, are now supported via multiple UV channels.
- **Refined UI** — Vantage 2's UI now has a more modern look that makes it easier to access key tools and features.
- **AMD GPU Support** — Vantage can now run on DXR-compatible AMD graphics cards, providing more hardware flexibility.

DELTEK SUPPORTS GOVERNMENT CONTRACTORS WITH NEW GOVWIN IQ SMALL BUSINESS RESOURCE CENTER

28 June 2023

Deltek, the leading global provider of software and solutions for project-based businesses, announced today that it has developed the GovWin IQ Small Business Resource Center curated specifically to support the thousands of small businesses looking for ways to find and win more government contracting opportunities with limited resources.

Small businesses are a focus in government contracting, but pursuing and winning contracts can be challenging. The White House recently called for government agencies to create a more diverse federal marketplace, requiring them to focus more on “small business entrants, where the decline in the supplier base has been especially acute.”

However, Deltek’s Clarity Government Contracting industry study found that, despite the government’s prioritization of creating opportunities for small businesses, the elements involved in pursuing and winning those opportunities temper growth. Only 37% of self-identified small businesses (under \$20 million in revenue) reported growth in government contracts last year, as compared to 49% overall and 56% of the largest companies. They also report lower profit margins than their larger counterparts (8% vs. 24%).

Deltek’s GovWin IQ Small Business Resource Center provides smaller companies with a comprehensive toolkit of everything they need at each stage of the government contracting lifecycle. The Resource Center pulls together government contracting opportunities, learning guides on government agency buying behavior, assistance with identifying potential teaming partners, government contact lists, research and analysis into market conditions, educational resources, and more. The content, aimed at increasing small business representation among government contractors, is primarily for Deltek GovWin IQ subscribers, but there are also free resources available.

“We’re proud of our continued commitment to supporting small businesses with their goals of finding and winning more business with government agencies,” said Kevin Plexico, Senior Vice President of Information Solutions at Deltek. “We know that small businesses often don’t have the time, resources, or knowledge of the market to compete with their large business counterparts. We want to level the playing field and enable their success with educational content and tools for finding and winning more business.”

EPLAN Data Portal Update

29 June 2023

449 manufacturers and more than 1,450,000 data sets are available with the update June 29, 2023.

New manufacturer catalogs

- Zhejiang Chint Electric Cable Co., Ltd. – 35,052 new data sets with cables

Updates and new data

Page 32

[Click here to return to Contents](#)

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- Banner Engineering Corporation – 100 new data sets with amplifiers, controllers, relays, contactors, controllers, lights, sensors, switches and pushbuttons, signal devices and transmission paths
- Danfoss Drives A/S – 3 new data sets with converters
- Eaton Industries GmbH – 1 new and 1 updated data set with power switchgears
- Euchner GmbH + Co. KG – 41 new and 1 updated data sets with general, sensors, switches and pushbuttons
- Festo SE & Co. KG – 274 new and 2 updated data sets with accessories, actuators, generals, cables, connections, inductors, PLC, sub-plates, shut-off control valves and valves
- ifm electronic gmbh – 2 new data sets with connection splicers / line connectors
- Invertek Drives Ltd. – 11 new data sets with converters
- Lenze SE – 4 updated data sets with filters and terminators
- Murrelektronik GmbH – 1,734 new and 6 updated data sets with cables
- Panduit Corp. – 3 new data sets with housings
- Phoenix Contact GmbH & Co. KG – 10 updated data sets with protection devices
- Pilz GmbH & Co. KG – 5 new and 15 updated data sets with contactors and relays
- Rittal GmbH & Co. KG – 21 new and 597 updated data sets with enclosure, housings and lock systems
- Siemens AG – 2 new and 153 updated data sets with PLC, routing accessories, voltage sources and generators
- TE Connectivity – 48 new data sets with terminals
- WAGO GmbH & Co. KG – 3 new and 79 updated data sets with terminals and PLC
- Weidmueller Group – 4 new and 4 updated data sets with relays and contactors
- Xiamen Hongfa Electroacoustic Co., Ltd. – 170 new data sets with relays and contactors

Summary

- 1 new manufacturer
- 18 updated manufacturer
- 37,474 new data sets
- 859 updated data sets
- 35,052 deleted data set
- 2,162 new parts with EDS
- In total 851,111 parts with EDS

- In total 296 manufacturers with EDS parts
- In total 1,452,743 data sets live in EDP

Introducing the Agacad Helper in our software for Revit

5 July 2023

The new Agacad Helper is an interactive window that explains each setting in our software for Revit. So navigating configuration windows will now be even easier – for even faster work and top-quality results. Agacad Helper already functions in MEP Hangers and will soon be available in our other products too.

Say “hello” to a better user experience.

Always looking ahead to where the world is moving, at Agacad we’re constantly enhancing the functionality of our software. That brings our clients ever more options and productivity, enabling them to continually improve their own processes in areas like 3D modeling and 2D documentation in Revit.

Over the years, all the innovations and added options have increased not just users’ flexibility, but also the depth of configuration windows. We wanted to help you enjoy the full power of our tools and quickly find just the right settings for any need. Without having to stop and look things up.

That’s why we developed Agacad Helper. To tell you, right at your fingertips, what different commands do and what different settings are for.

Using Agacad Helper

Open Agacad Helper by clicking the [?] button at the top right of the configuration window.

What information the Agacad Helper window shows depends on where your cursor is.

So, **if you don’t know what a particular setting is for, just hover over it**, and the Helper will explain what it does.

Simple as that.

Working offline

There are two more useful things to note about Agacad Helper.

The first is that Agacad Helper always shows you the latest information since it’s connected to the Agacad Cloud and updates come through instantly.

The second is that **you can download all Agacad Helper data** and access it even when working offline.

Agacad products that have the Helper

As noted above, so far Agacad Helper has been implemented in our MEP Hangers software. That means everyone who has or obtains a license or free trial of MEP Hangers can already benefit.

Stay tuned – soon you'll be able to quickly and easily access the Helper in more Agacad products.

KeyCreator 2023 Service Pack 2 Released

5 July 2023

Kubotek Kosmos, a leading supply chain software provider, announced the 2023 Service Pack 2 release of the KeyCreator software products. This release provides updates to several CAD file translators, a few options and behavior updates, and a dozen fixes.

Improved Translators

The 2023 SP2 releases of all KeyCreator CAD apps include updates to several CAD file formats. Dassault Systemes CATIA V5 support for reading 3D CAD and drawing files across all programs has been updated to the 2023 (R33) versions. Siemens Digital Industries Software (DIS) NX 3D CAD and drawing files reading in all programs now supports the NX 2212 Series files.

To support exchange of models to older software programs, export of Siemens DIS Parasolid files in KeyCreator Prime has been updated to support selection of which version of the format the exported file will use. In both Prime and Drafting versions of KeyCreator, Parasolid read has also been advanced to Version 35.1.

Minor Enhancements

The behavior of several modeling functions has been adjusted for improved productivity in specific situations. The Split with Faces function no longer automatically merges off any overlapping faces on the resulting body. This saves time for cases in which a set of cutting faces include specific separate faces such as runoff surfaces which the designer wishes to preserve. The Extend Surface function has eliminated unnecessary special messages and user input in cases which include "islands" such as holes through the surface. Selection toggling (ie. tapping the Space bar) has been enhanced to support rotating selection highlighting to DynaHandle elements of secondary DynaHandles obscured behind other DynaHandles.

A new option switch has been added in the Section View dialog which will automatically copy changes made to annotation settings made there into the Detail Style Editor settings, which are saved in the active model or layout. This way subsequent section views in the same drawing will use the same settings customized for the first section view without the user needing to manage settings through the Detail Style Editor.

LTIMindtree Launches 'V-Protect', Powered By Rubrik, For Comprehensive Data Protection And Recovery

5 July 2023

Global technology consulting and digital solutions company LTIMindtree has launched a comprehensive cyber-recovery and data protection platform called 'LTIMindtree V-Protect', powered by Rubrik, the Zero Trust Data Security™ company.

LTIMindtree V-Protect is a first-of-its-kind offering from LTIMindtree which provides data protection and seamless recovery for M365 workloads such as Exchange, SharePoint, OneDrive, and Teams. The solution is designed to mitigate the effects of ransomware attacks, human errors, and data policy breaches to user and company data, as well as validate data compliance.

With this solution, LTIMindtree deepens its partnership with Rubrik to deliver enhanced customer experience. LTIMindtree V-Protect combines Rubrik's technology and training with LTIMindtree's implementation support, professional services, governance, analytics and product penetration to deliver seamless and secure collaboration anywhere, anytime using Microsoft 365 applications.

"The rate of technological advancements and enablement have led to copious amounts of data being generated. Organizations that recognize they are at risk want to move swiftly and remain prepared when odds are stacked," said Sivaramakrishnan Senthatty, Executive Vice President and Global Service Line Head of Cloud, IT Infrastructure & Cybersecurity Services at LTIMindtree. "Customers are looking for assured outcomes, expecting modernization to go beyond cyber resilience and deliver on the need for advanced automation and analytics, fast cloud adoption, regulatory compliance, and rapid recovery on demand. Powered by Rubrik, LTIMindtree V-protect will strengthen our data security and data protection offerings, enabling customers to rapidly adopt new technologies and derive the maximum benefits in the journey towards achieving their digital transformation goals."

"Ransomware and cyberattacks continue to be on the rise, underscoring the need for stringent data security and cyber resilience," said Arun Dharmalingam, Vice President, International Channels, Alliances & GSIs at Rubrik. "As we continue to propel Rubrik's mission to secure the world's data together with our partner ecosystem, we remain focused on addressing some of the most urgent cybersecurity risks organizations are facing. We are thrilled to partner with organizations like LTIMindtree and power their journey towards enabling customers to build resilience and swiftly recover from cyber incidents."

LTIMindtree's V-Protect in combination with LTIMindtree VAULT mitigates the challenges associated with backup and recovery, guaranteeing end users a sense of security with respect to their data.

Major Asta Powerproject update is now released with new modules and online services

5 July 2023

Elecosoft, the specialist international software provider, is further enhancing its award-winning Asta Powerproject planning and project management software, with its latest release (version 17) bringing greater collaboration and sharing capabilities.

Available to Asta Powerproject subscribers, key updates include:

Protecting your work: the new autosave feature automatically saves progress at regular intervals with the default autosave setting of 10 minutes. Users can customise timings to save their work more or less frequently.

New project timeline feature: including a new project timeline control panel, allowing customers to create key task overviews for each project. Programme managers can also add drop lines and call out priority tasks to ensure projects stay on track.

Activities within tasks: users can now break down a task into several activities that can be progressed individually and checked off when completed. Project managers can weight each activity's importance to track overall task progress as individual actions are completed. This simplifies the structure of the overall programme without losing the fine detail.

Real-time collaboration: compatibility with a brand-new module that allows project teams to work on a programme together in real time, benefitting from instant digital feedback on projects. This upgrade will help companies to enhance collaboration and prevent miscommunication within their projects.

Global governance library: compatibility with the Asta global library management module to simplify company standards, save time and improve data accuracy and reporting. Centralising project templates will help organisations that use Asta Powerproject to manage workflows and ensure project compliance, as any changes will be automatically applied the next time a project is checked out.

Introduction of meaningful associations: teams can assign and differentiate project tabs in various colours to make workflows easier to visualise.

David Simpson, Global Product Manager, Elecosoft, says: "Asta Powerproject version 17 continues our focus on creating positive experiences and outcomes for our customers, with the latest version strengthening project communication and collaboration. We're committed to identifying what's important to our customers; made possible by our active global network of customers and partners. Through their feedback, we're continually evolving the products and services based on their needs."

In addition to upgrading its market-leading planning and project management software, Elecosoft is enhancing how it rolls out future software updates to ensure Asta Powerproject customers benefit from the latest functionality.

Asta Powerproject subscribers will receive a notification alert when new features are available, which they can automatically deploy via an installation wizard if this has been enabled.

David Simpson adds: One critical advantage of version 17 is that we can quickly deploy updates to customers. The new installation process gives users automatic access to the latest usability improvements and access to further modules."

Automating installation will enable Elecosoft to shorten release cycles for Asta Powerproject subscribers, and customers can expect to see their ideas rolled out faster.

Mastercam 2024 Integrates Sandvik Coromant CoroPlus® Tool Library Add-In

26 June 2023

Mastercam, the world's leading CAD/CAM software, has collaborated with Sandvik Coromant, a global industry leader and provider of manufacturing tools, machining solutions, and

knowledge that drives industry standards and innovation, to announce the integration of Sandvik Coromant CoroPlus® Tool Library Add-in into the new release of Mastercam 2024.

The integration of the CoroPlus® Tool Library allows Mastercam customers to save significant time searching for desired tools and building 3D tool assemblies that can be brought directly into Mastercam. The CoroPlus® Tool Library makes tool recommendations based on material, operation, and tool type. The ability to import tool assemblies directly into Mastercam 2024 saves time and effort since users can quickly and easily find and use the right tools. By utilizing 3D tool models and recommended cutting data, users can optimize the machining process and achieve better results.

Mastercam developers worked closely with Sandvik Coromant product management to let users import 3D tool assemblies directly into Mastercam's toolpath operations. Users of Mastercam benefit from having the correct tooling for the material and for the type of machining operation, plus an accurate, 3D model that can be used for visualization and collision checking in addition to the time savings.

"In the past, customers had to search through thousands of catalog pages and cross-reference multiple sources to create the tool assemblies needed to machine their parts," says Dave Boucher, Chief Product Officer, Mastercam. "Now, they have access to cutting data and tooling recommendations directly from within Mastercam, making it easier for them to select the best cutting tools for their specific applications, optimize their machining operations, and improve productivity."

"The collaboration with the Mastercam team has been fantastic during this development and we are thrilled to be able to offer an efficient and seamless way of adding tool data into Mastercam's toolpath operations," says Tobias Unosson, Product Manager, CoroPlus® Tool Library.

OpenBOM - What's New June, 30th 2023

2 July 2023

In a blog post published to the OpenBOM blog, Oleg Shilovitsky announced the June update to OpenBOM. The update includes:

- OpenBOM New Dashboard User Experience
- Graph Navigation Tree Browser and Incremental Navigation
- Part Number Governance for company catalogs
- CAD Integration enhancements

Read the full blog post for details: <https://www.openbom.com/blog/whats-new-june-30th-2023>

PROSTEP'S PROVIDES SUPPORT FOR PROACTIVE PRODUCTION CONTROL IN THE SHIPBUILDING INDUSTRY

30 June 2023

Maritime systems such as cruise ships and frigates comprise several million components, far exceeding the magnitude of other industrial products. This poses particular challenges for shipyards in terms of production planning and control. As part of the ProProS project, PROSTEP has developed a new planning methodology based on a digital twin together with the Lürssen shipyard group and the Machine Tool Laboratory (WZL) at RWTH University in Aachen, with the aim of providing shipyards with better supports. The project, which was funded by the German Federal Ministry of Economics and Climate Action (BMWK), was brought to a successful close at the end of May.

In the project, the three partners developed an innovative methodology for planning and controlling the production of large individual products that enables the efficient use of available resources and makes it possible to assess the impact of disruptions as early as possible. The methodology is based on a digital twin that maps the ship and the production activities. In this twin, the activity plan is created without manual intervention based on the ship structure and is planned and optimized with due consideration given to the available resources.

The software demonstrator created as part of the research project can handle the very large structures and activity plans found in the shipbuilding industry.

The transfer of real-time data from production makes it possible for the production planners to rapidly detect disruptions and replan the production process based on the current status. This provides them with a tool that increases efficiency in the production process and shortens throughput times. The software can even be used to make predictions about future activities. The solution enables detailed and highly efficient production control when building complex individual products, without driving up the level of manual effort required for production planning.

The combination of project partners – the Lürssen shipyard group, WZL and PROSTEP – created a consortium of companies that complemented each other in terms of expertise. The Lürssen shipyard group is a world-renowned manufacturer of megayachts, naval ships and special purpose vessels. As the consortium head and experienced industry partner, it ensured that a realistic solution could be created. The researchers at the WZL worked on the design and layout of structures and processes in production and contributed their experience with fault management and real-time production planning to ProProS, which made a significant contribution to the successful completion of the project.

PROSTEP assumed the role of PLM and digital transformation expert in the project and contributed its expertise to both the conceptual design and the actual implementation of the software solution as project manager Carsten Zerbst says: "Several shipyards already rely on our integrations for establishing a link between design and pre-production. ProProS means that we can now contribute additional intelligence for improving control and evaluation of the

production process." PROSTEP will now continue to develop the project results in order to create a mature solution for proactive production planning and control in customer projects.

Release Announcement of CADfeature 18.0

5 July 2023

Elysium has released CADfeature 18.0.

Key Enhancement

Function Enhancements

- Improved security for distributed translation
- Improved drawing performance in Creo Parametric Capturer
- Added Standard Assembly Mapping support
- Enhanced distributed translation dashboard
- Supported Sketch Block from Inventor to SOLIDWORKS

Support New CAD Version

CAD	Versions added in 18.0	Supported Versions
CATIA V5	R33 (V5-6R2023)	R23, R25 (V5-6R2015) – R33 (V5-6R2023)
NX	NX 2306 Series	NX1847 Series – NX2306 Series
Creo Elements/Direct	20.6	18.1 – 20.6

serviceAssist Classic gets more functions: Maintenance Overview

4 July 2023

Effective immediately: The maintenance overview is available free of charge in serviceAssist Classic

Would you like to keep an eye on the maintenance status of your production and your machines?

The latest feature of serviceAssist provides you with an overview of upcoming maintenance on all machines, so that you can react in good time. Detailed information on machines, maintenance status and maintenance manuals can be displayed and downloaded.

Advantages: Experience shows that with regularly maintained machines, 80% less unplanned downtime occurs. With the new maintenance overview, you always have the maintenance status in view - on your phone or on your computer.

How to get serviceAssist Classic:

- Create your tapio account or log in if you already have an account with tapio.
- Add your machine or machines (if not already done).
- After a short time, you will automatically receive the license (serviceAssist Classic) for each HOMAG machine - you will also be informed of this by e-mail.
- Make sure that the machine is assigned to the license. To do this, log in to tapio, go to "Applications", then to "serviceAssist Classic" and then to "Assign machines".
- Then start serviceAssist by logging in and click on "Maintenance overview".

VOLTA and modeFRONTIER 2023R2 available now

5 July 2023

VOLTA rolls out the new Services feature, linking simulations to the business processes. modeFRONTIER adds a Python-based Design of Experiments (DOE) module to its design space exploration toolkit.

Business Process Management

VOLTA Service task: injecting and delivering data from simulation workflows to business processes

With the introduction of **Services in VOLTA**, we enable users to bridge the gap between simulation workflows and business processes. Experts in process automation can go a step further in CAE democratization by making simulation workflows re-usable by non-experts within a business process. To achieve this, **you can create a Service which is a simplified run configuration**. It exposes a partial set of design parameters for a specific simulation workflow extended with design space exploration strategies.

Then, this Service is **made available within a business process (BPMN 2.0 workflow)** and referenced in a VOLTA Service task that invokes the execution of the simulation workflow delivering design parameters data to the simulation.

With **Service in VOLTA**, you bring onboard non experts. They can now **interact with the business process through User Tasks to define a design configuration**. As a result, the simulation runs automatically and generates design space exploration studies. In turn, these results are then fed back into the business process, where the task assignee can use VOLTA's post-processing tools to analyze them further.

Design Optimization

New Python Design of Experiments (DOE) bridge in modeFRONTIER

The new **pyDOE module in modeFRONTIER** enables you to **write your own algorithms in Python and or use built-in Python algorithms** to create a set of DOE design configurations. With pyDOE, you can expect to estimate objective and constraint values based on available albeit partial data. By doing this, you can decide whether a design is worth keeping in advance.