

Contents

<i>CIMdata News</i>	2
Announcing PLM Road Map & PDT North America 2020	2
<i>Acquisitions</i>	3
Hexagon Acquires Mapping Business from COWI	3
<i>Company News</i>	4
Accenture is the First Partner to Achieve SAP-Certified Integration with SAP Model Company	4
CGS Completes 2019 with Global Expansion, Adding BlueCherry Customers, New Enhancements and Locations	5
iBaset named Market Leader in Software Customer Success	5
Lantek - Software is becoming the driver for machinery investment	6
Minerva Group celebrates 25-year anniversary – 1995-2020	8
Prodways Integrates 3DEXperience, Establishes XD Innovation Europe	8
<i>Events</i>	9
Altair to Exhibit at JEC World 2020	9
SCHOTT SYSTEME GmbH to Exhibit at METAV 2020	10
<i>Financial News</i>	10
Aspen Technology Announces Financial Results for the Second Quarter of Fiscal 2020	10
Capgemini announces Success of friendly tender offer for Altran	12
SAP Announces Preliminary Fourth Quarter and Full-Year 2019 Results	12
<i>Implementation Investments</i>	13
ABN AMRO and Infosys Partner to Accelerate its Cloud and DevOps Transformation Journey	13
ABN AMRO Strengthens Strategic Partnership with TCS	13
Burr OAK Tool Slashes Production Time with ESPRIT	14
French Connection Upgrades to YuniquePLM to Facilitate Growth and Data Integration	15
Hain Celestial Deploys Sopheon Accolade to Accelerate Transformation	16
Siemens Capital software helps Groupe PSA digitalize aftersales documentation	17
Simplicity Designs for the Future with Centric Fashion PLM	18
<i>Product News</i>	18
ANSYS 2020 R1 Digitally Threads Simulation Across Product Lifecycle Processes	18
ASCON Group Releases KOMPAS-3D V18	23
Atos facilitates public cloud protection with new CSPM service powered by Palo Alto Networks	24
EMWorks Launches MotorWizard, a Template Based SOLIDWORKS Add-In Product for Electric Motor Design	24
exocad DentalCAD 2.4 Plovdiv available now	25
GRANTA MI Pro – new fast-start option for materials data management	26
Oracle Helps Utilities Identify and Fix Asset Issues Faster	26

CIMdata News

Announcing PLM Road Map & PDT North America 2020

30 January 2020

CIMdata and Eurostep are pleased to announce the dates for PLM Road Map & PDT North America 2020. These events will come together once again in 2020 to address the critical topic of “Digital Thread—the PLM Professionals’ Path to Delivering Innovation, Efficiency, and Quality.” The event will be held at the Marriott Hotel in Tysons Corner, Virginia, USA on 12-13 May.

In the tradition of offering an event tailored to the interests of PLM Professionals, our agenda will present reports from teams of industry domain experts working to remediate pain points that inhibit the Digital Thread, and case studies from program managers responsible for Digital Thread strategies and implementations within their companies.

“CIMdata is committed to delivering a highly collaborative conference where PLM professionals can learn and interact with others across multiple industries,” stated Mr. Peter Bilello, President & CEO of CIMdata. “As in the most recent years, our theme in 2020 will focus on the elements that are vital to enabling a successful PLM strategy—equipping the PLM Professional with insight on how to get the most out of the processes, data, and the technologies that enable PLM,” added Mr. Bilello.

“PLM is touching more people and organizations than ever before and PLM is fundamental in any enterprise delivering innovation, efficiency, and quality,” said Mr. Håkan Kårdén, Founder and Marketing Director of Eurostep. “It requires a systems and holistic view, integration, and collaboration, to deliver on the promises of PLM. Digital thread and digital twin are a reality today and more than just a vision. Eurostep is pleased to continue its collaboration with CIMdata to deliver a must-attend conference with the integrated PLM Road Map and PDT again in 2020,” stated Mr Kårdén.

In addition to the event in North America, CIMdata and Eurostep will host a similar event in Sweden during the fall.

For more information about PLM Road Map & PDT North America please visit the CIMdata website at <https://www.cimdata.com/en/education/plm-conferences/plm-road-map-pdt-na-2020>

About CIMdata

CIMdata, a leading independent worldwide firm, provides strategic management consulting to maximize an enterprise’s ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM) solutions. Since its founding in 1983, CIMdata has delivered world-class knowledge, expertise, and best-practice methods on PLM solutions. These solutions incorporate both business processes and a wide-ranging set of PLM-enabling technologies. CIMdata works with both industrial organizations and providers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia Pacific. To learn more about CIMdata’s services, visit our website at www.CIMdata.com, follow us on Twitter: <http://twitter.com/CIMdataPLMNews>, or contact CIMdata at: 3909 Research Park Drive, Ann

Arbor, MI 48108, USA, Tel: +1 734.668.9922. Fax: +1 734.668.1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands, Tel: +31 (0) 495.533.666.

About Eurostep Group

Eurostep delivers software and services for product lifecycle management with a particular focus on the exchange and sharing of data within and between enterprises. Services range from pre-studies to the implementation and support of systems. Eurostep has subsidiaries in Sweden, the UK, France, Finland, Germany, and the US, and has blue-chip customers in a variety of industries including automotive, aerospace, defense, energy, high tech, and building & construction.

 [Click here to return to Contents](#)

Acquisitions

Hexagon Acquires Mapping Business from COWI

29 January 2020

Hexagon AB announced the signing of an agreement to acquire COWI's aerial mapping business. COWI is a leading international consulting group within engineering, economics and environmental sciences with a mapping business that serves as Europe's largest provider of airborne surveying and spatial data processing and key partner of the HxGN Content Program.

Bringing valuable expertise in capturing and selling Content as a Service (CaaS), COWI's mapping unit has been delivering HxGN Content Program services in Europe since 2015. With approximately 400 specialists worldwide, the business provides public administrators, government organisations, infrastructure project stakeholders, utility companies and global internet companies access to the most relevant geospatial data during their planning processes.

"The acquisition of COWI's mapping business is a logical next step to accelerate and strengthen the HxGN Content Program in Europe," says Hexagon President and CEO Ola Rollén. "Along with the previous acquisitions of North West Geomatics, SigmaSpace, Melown Technologies, and Thermopylae Sciences and Technologies, this acquisition accelerates Hexagon's mission to provide customers with access to the largest on-demand library of professional-grade and quality controlled geospatial data for applications such as asset management, public safety, utility mapping, insurance claims, and more."

COWI's mapping business will operate within the geospatial content solutions unit of Hexagon's Geosystems division. The acquisition is expected to be completed during the second quarter 2020, subject to regulatory approvals. 2019 sales, less intra-group sales, amounted to 14 MEUR.

 [Click here to return to Contents](#)

Company News

Accenture is the First Partner to Achieve SAP-Certified Integration with SAP Model Company

27 January 2020

Accenture announced that it is the first company to achieve SAP-certified integration with the SAP® Model Company service, which can accelerate custom deployment of SAP S/4HANA by as much as 30 percent. This certification distinguishes Accenture's intelligent enterprise solutions for oil and gas and life sciences companies, which the company delivers through its Accenture myConcerto® platform. These solutions include preconfigured, industry-specific processes of SAP Model Company services designed to help companies implement SAP solutions more quickly and effectively.

Protected by over 40 patents and applications across more than 10 countries, Accenture myConcerto is an insight-driven, digitally integrated platform that combines the power of SAP solutions and technologies with Accenture's industry and functional expertise. Accenture was also the first solution partner to become qualified for SAP Model Company.

The myConcerto intelligent enterprise solutions for the oil and gas and life sciences industries bring the best of Accenture and SAP together to help companies use core functionality from co-developed industry solutions based on SAP S/4HANA. The solutions can be rapidly deployed through a personalized, data-driven roadmap that includes the latest assets, methodologies, technologies and program management capabilities needed to drive a successful transformation. These are the first of many pre-configured industry and business solutions from Accenture that are in the certification process for SAP Model Company.

Accenture and SAP plan to apply an integrated delivery framework that allows for each company to deliver assets in unison, aligning services through a single engagement model and program team.

“Since introducing myConcerto in 2018, the platform has been used in close to 300 client engagements to help power intelligent enterprise transformation,” said Christophe Mouille, senior managing director and global lead for the Accenture SAP Business Group. “Working with SAP and securing certification for SAP Model Company — a first for any company – helps ensure that our intelligent enterprise solutions will stay future-proof, bringing immediate and long-term value for clients.”

The qualification program for SAP Model Company guides SAP partners in extending prepackaged, ready-to-use, end-to-end industry solutions based on SAP Model Company services. The program provides access to content and early insights into the road map for SAP Model Company, as well as access to business planning strategies guided by SAP. With this support, partners that are SAP-qualified for SAP Model Company can lead SAP customers through a simplified, transparent solution selection process that can help accelerate implementations of SAP S/4HANA and cloud solutions from SAP.

"SAP-certified integration for SAP Model Company recognizes partner-driven content and expertise," said Stephan Klein, senior vice president and head of SAP Model Company, SAP. “With the certification of Accenture's intelligent enterprise solutions for both oil and gas and life sciences industries, the aim is to provide customers faster time to value of implementation and the flexibility needed for digital transformation. This certified partner solution is a significant milestone and

underscores the value of SAP Model Company."

 [Click here to return to Contents](#)

CGS Completes 2019 with Global Expansion, Adding BlueCherry Customers, New Enhancements and Locations

30 January 2020

CGS, a global provider of business applications, enterprise learning and outsourcing services, announced that it saw significant growth in 2019 with companies selecting and implementing its BlueCherry® Enterprise Suite of cloud-based solutions, along with enhancements to its solutions offering and entering new markets.

The BlueCherry suite provides end-to-end supply chain management capabilities for apparel, footwear and consumer lifestyle brands. In just the last year, more than 20 leading brands, including Surf Line, Boohoo, Creative Home Fashions and Levy Group, chose BlueCherry for its proven solutions and industry expertise, adding more than 10,000 new users. Many of the existing customers also added complementary solutions within the BlueCherry portfolio. BlueCherry solutions include Enterprise Resource Planning (ERP), Product Lifecycle Management (PLM), Shop Floor Control, Merchandise Planning, B2B eCommerce and Warehouse Management.

In May, CGS acquired the Montreal-based fashion software company, Visual Next, bringing the best end-to-end workflow, from sourcing materials to sales, to the customers of both organizations. Also, in October, CGS announced expansion to the U.K. market with a focus on delivering comprehensive technology solutions to the company's growing list of global brands.

In 2019, the company released over 100 major enhancements and updates to the BlueCherry Enterprise Suite, and since the acquisition of Visual Next, has completed 65 major enhancements. Nearly 80 percent of the enhancements were a result of direct feedback from the user community.

"With our extensive experience, CGS understands the unique needs of fashion, apparel, footwear and consumer lifestyle products brands, and the market trends that affect their businesses," said Paul Magel, president, Business Applications and Technology Outsourcing division, CGS. "It's been an exciting year for CGS and our customers – from combining the best of fashion solutions with Visual Next, expanding into the U.K. market to welcoming so many prominent brands to the BlueCherry community."

The CGS BlueCherry® Enterprise Suite provides clients with comprehensive digital supply chain management solutions, available both in the cloud and on-premises, to drive their fundamental business processes. With a focus on the needs of high-growth organizations operating in consumer lifestyle products, retail and apparel, BlueCherry is a unified platform that provides supply chain visibility with the latest digital technologies. The BlueCherry Suite addresses the needs of the end-to-end supply chain, from planning and product development to manufacturing and sales.

 [Click here to return to Contents](#)

iBaset named Market Leader in Software Customer Success

31 January 2020

iBASEt announced it has been named a Market Leader in the Manufacturing Execution Software category for the Winter 2020 Customer Success Report published by FeaturedCustomers.

FeaturedCustomers, a leading customer success content marketing platform for B2B business software

& services, evaluated all the potential Manufacturing Execution Software companies on its platform for possible inclusion in the report. iBASEt was recognized as a Market Leader in the Manufacturing Execution Software category.

The Customer Success Report is based on the curation of authenticated case studies, testimonials, and videos from across the web, telling a complete story of vendors in the Manufacturing Execution Software space through real customer experiences. Rankings are determined by multiple factors including the total number of referenceable customers via success story content, social media and market presence, vendor momentum based on web traffic and search trends, and additional data aggregated from online sources and media properties.

“Our primary focus is for every iBASEt customer to be a satisfied and referenceable customer, something that is rare in the MES industry,” said Naveen Poonian, President at iBASEt. “We’re proud our customers are achieving substantial value from our manufacturing software solutions. And we thank FeaturedCustomers for validating the consistently high-quality customer references we receive that are published on multiple third-party sites.”

 [Click here to return to Contents](#)

Lantek - Software is becoming the driver for machinery investment

29 January 2020

In the sheet metal industry, there have been some step changes in technology with the arrival of fiber laser and tube cutting lasers which have delivered major improvements in productivity and technical capability. Many companies within the industry have already invested in these machines and are looking for new ways of getting a competitive advantage.

Now, companies are thinking about how investing in MES software, which brings together a whole raft of topics including CAD/CAM, CRM, Sales and quotations, machine productivity and KPI analysis can do far more for profitability and efficiency than upgrades to the machines themselves.

The result is that as part of any planning for future machinery investment, the first priority is the ability of the machine to integrate and communicate with the MES system, Therefore, it makes sense to pick open software which provides the maximum flexibility for machine choice and which can control and monitor other non CNC manufacturing operations.

The reality is that laser cutting is a commodity service now and cost, quality, service and delivery performance are the main differentiators between suppliers.

To get these factors right within a business is a complex task especially as companies expand with multiple machine tools, production sites and international operations, which is why investment in specialised manufacturing management software is a high priority.

For companies to achieve another leap in efficiency and productivity will require them to implement MES software. This will analyse, automate and control the administrative aspects of their businesses, help them make decisions based on evidence, make use of historic and real time data and give them the ability to work in a close partnership with customers and suppliers.

Sheet metal manufacturing is a niche industry, where knowledge of the processes involved is crucial in arriving at the best price, quality and delivery offering. Generic MES software simply does not have this capability, hence a specialist solution is essential.

Three examples illustrate what can be done now

This client processes over 100,000 tons of sheet and plate every year through a range of different laser cutting machines. The software we have supplied sorts the parts by thickness and material type. At any one time around 35 jobs can be running with 100 different parts in each job. The software resolves this problem, nesting parts and generating the CNC program automatically, which has enabled the company to increase turnover by 13% annually with the same resources.

Automating quotations allows this company to produce about 800 quotes each month directly from DXF files, drawings and sketches. The system knows the cut length and has different options for cutting methods and nesting as well as continually updated material prices. This ability to accurately arrive at price and delivery has made it possible for the company to average around four days from order to delivery while making more parts and increasing profits by over 10%.

With three plants in the UK, and plans for exponential growth, this manufacturer understands the importance of digitalization. It generates 3000 quotations each month and has a variety of machinery. The importance of monitoring and controlling the flow of parts through the workshop is self-evident for this company as is making use of the data for decision making. It sees the benefits of cloud computing to simplify its IT structure and allow remote working and it also anticipates integrated working with suppliers, customers and even delivery service providers. The flexibility provided by Lantek is at the core of its operation, giving it choice in machinery, the ability to integrate with other software and a path towards its ultimate digitalisation goal.

These are examples of what companies are achieving today with software that has made a fundamental difference to their businesses. Advances in the technology within the machines will of course continue to deliver productivity improvements but, organizing all the administrative tasks which go to make up a business, is an area that will deliver a step change in efficiency, customer service and profitability.

Using Lantek MES Manager, companies can introduce efficiency improvements to their businesses at their own pace. The concepts of a smart factory can be daunting however, there is no need to make the change in one step. With Lantek you can start by just implementing accurate quotations and automated nesting then gradually building up to shop floor reporting, KPI analysis, stock control, multi-site manufacturing management and ultimately a smart factory.

Furthermore, you can have the flexibility of running a mixture of different laser cutting machines according to your budget and the performance of the machines.

 [Click here to return to Contents](#)

Minerva Group celebrates 25-year anniversary – 1995-2020

31 January 2020

Five years have passed since we celebrated our last milestone in the history of Minerva, the 20-year anniversary in 2015. Having focused on building an elite workforce delivering superior products and services for decades, Minerva decided in 2015 to put our collective expertise and knowledge into industry modules for Medical Device industries and Electronic High-tech. From 2015 and onwards, Minerva Group has shown significant year on year growth exceeding 30% in revenue as well as staff.

We have experienced significant growth on the European market over the last five years. In North America, we have seen a very significant growth rate over the last two years, and we now have customers located everywhere on the planet, from California to Japan and Europe and as far away as South Africa and Australia. Naturally, we are looking forward to continuing this growth in the years to come.

Minerva Group has historically been offering consultancy services and systems for manufacturing companies. Since 2015, we have developed and offered industry modules for the Medical Device industry and Electronic High-tech to be used on top of the Aras Innovator PLM platform. Now, we are pleased to see that more and more companies around the world realize the great advantage of using business-ready software modules that eases processes, shorten the time to market, and allows the customer to focus on creating innovative products.

The industry-specific modules have been our flagship for the last five years and have already opened new markets. At the end of 2019 more than 40 new individual customers have implemented these modules to optimize their processes. Due to the great success of these modules, they have now been further enhanced to a degree that it deserves its own brand, Minerva PLM. Our new product will be launched in Q1 of 2020. Stay tuned and follow us on LinkedIn for more updates.

We are all looking forward to the coming 25 years – and will continue supporting our great customers – and are also looking forward to meeting lots of new ones!

There has been both highs and lows along the way, but Minerva Group has consistently shown positive financial result year on year throughout our 25 years of operation. And that is a fact that I am very proud of.

At last but not least – a HUGE thanks to our loyal employees that are the brains and hands behind our fantastic products and services. - I'm proud and honored to work with you!

 [Click here to return to Contents](#)

Prodways Integrates 3DExperience, Establishes XD Innovation Europe

27 January 2020

French industrial 3D printer provider Prodways Group has announced the integration of Dassault Systèmes' 3DEXPERIENCE platform as well as the acquisition of a minority stake in its North American partner, XD Innovation.

The 3DEXPERIENCE platform encompasses 3D CAD design software, SOLIDWORKS, CATIA, PLM solution SIMULIA, and additional product development applications. Through the partnership, Prodways will launch XD Innovation Europe, which will support the 3DEXPERIENCE Cloud platform in this region. Pierre-Marc Allain, CEO of XD Innovation Europe, stated:

“This new approach to design, favoring collaboration, mobility, and the extended enterprise, will eventually enable designers to use their tools differently. It is a strategic decision for us to build a very

agile new entity in Europe, based on XD Innovation’s technical experience and the Prodways Group customer base.”

Earlier this month, Prodways announced a series of 3D printer sales to major chemical companies for R&D and manufacturing applications. This included DSM, BASF, and Arkema. It was then announced that Arkema would be installing these 3D printers, such as its ProMaker P1000 and ProMaker P2000 ST, in its newly established Global Center of Excellence in Serquigny, France.

The California-headquartered XD Innovation, founded in 2014, is a Dassault Systèmes Value Solutions Partner that supports customers in the energy, defense, automotive, and aerospace sectors. In tandem with its European activities, Prodways will also provide its customers with 3DEXPERIENCE solutions to support its SLS 3D printing technologies through XD Innovation Europe.

“Prodways Group’s stake in the share capital of XD Innovation will allow us to accelerate our roll-out and offer our customers and our partner, Dassault Systèmes, long-term support, and a global vision,” added Soufiane Elaamili, Chairman and CEO of XD Innovation. “We will also be extending our offer by promoting Prodways Group’s industrial 3D printing machines to our customers in North America thanks to our six locations.”

 [Click here to return to Contents](#)

Events

Altair to Exhibit at JEC World 2020

27 January 2020

Altair announced it will present its methods and solutions aligned to the design, optimization, and simulation of composite structures and materials March 3-5 at JEC World 2020 in Paris, France, the largest international composites industry show.

During the event, Altair will present development and simulation-driven design processes and solutions, driving modern design and manufacturing of composites from capability to capacity. In addition to offering visitors insights into the Altair solutions via on-site demonstrations and use case examples, Altair will host a conference session featuring presentations from Altair experts and customers.

The Altair-hosted conference session, “A Complete Composites Simulation Workflow for all Industries,” will feature presentations from companies including Cikoni, ENGENUITY, GURIT, KTM Technologies GmbH, and others, demonstrating how Altair helped them create innovative products and improve their development processes for composites. The session will be held on March 3 between 1 p.m. and 3 p.m. in the Agora room.

The Altair booth will highlight a 3D-printed lattice top fairing of a MotoGP motorcycle by KTM Technologies as well as demonstrations of the new capabilities for composite design utilizing Altair HyperWorks™ and much more.

“We are delighted to be attending JEC World 2020 to showcase our solutions and methods that advance composites for mass production while improving time-to-market and maximizing investments,” said Dr. Uwe Schramm, CTO, Altair. “Altair’s world-class simulation technology streamlines physical

prototyping with a fully integrated solution for design synthesis and analysis, resulting in strong, production-ready lightweight parts.”

 [Click here to return to Contents](#)

SCHOTT SYSTEME GmbH to Exhibit at METAV 2020

28 January 2020

German software developer SCHOTT SYSTEME GmbH is starting the year by introducing their latest Pictures by PC CAD/CAM software update on the METAV 2020 exhibition in Düsseldorf.

The update is an addition to their existing Pictures by PC version 3.8, and includes new functionality for both 3D and 2.5D prismatic machining.

Adding to their existing HPC (High Performance Cutting) capabilities, new toolpath algorithms written by SCHOTT SYSTEME GmbH facilitate the generation of HPC toolpaths on even more complex 3D geometry (solids, surfaces and mesh models - STL). Machinists also have more control, such as the implementation of differing 3D offset values in the XY and Z directions. This control is also added to their existing range of 3D HSC (High Speed Cutting) finishing operations such as spiral and hybrid machining.

Enhancements to 2.5D prismatic machining include spiral contouring (a continuous fluid spiral toolpath without stepped Z increments) and 2D finishing with multiple side increments (within a single operation).

For those working with plate material, a new automatic tagging routine also ensures parts remain fixed in position after milling. Typical 2.5D prismatic parts also gain from improvements to the software's existing hole and pocket recognition tools, whereby features now result in the generation of corresponding CAM operations and tooling.

The end of 2019 also saw 35 years of product continuity for SCHOTT SYSTEME GmbH, with their original Pictures by PC software first being released back in 1983. During this time, users have benefited from continued free software support without maintenance costs. This is in stark contrast to the increase in software ownership costs generally associated with CAD/CAM software.

Visit SCHOTT SYSTEME GmbH on the METAV 2020 - 10th to 13th of March - Hall 1, Stand D86 (Partnering with IndustryArena) - <http://www.schott-systeme.com>

 [Click here to return to Contents](#)

Financial News

Aspen Technology Announces Financial Results for the Second Quarter of Fiscal 2020

30 January 2020

Aspen Technology, Inc. announced financial results for its second quarter of fiscal year 2020 ended December 31, 2019.

“AspenTech delivered solid second quarter results highlighted by continued double-digit annual spend growth. While the macro environment in capital intensive industries was uncertain, spending remained favorable as customers recognized that investments in digitalization can drive meaningful improvements in the operating efficiency and financial performance of their business,” said Antonio Pietri, President

and Chief Executive Officer of Aspen Technology.

Pietri continued, “We continue to see significant customer interest in our solutions and expect improving business performance in the second half of the year. Our optimism is driven by our expectations for continuing strength from refining customers, improving demand from chemicals customers as macro conditions in that vertical improve, and the ongoing recovery in our engineering and construction business. We are also encouraged by the progress in our Asset Performance Management business and the traction it is gaining in the Global Economy Industries (GEI).”

Second Quarter Fiscal 2020 Recent Business Highlights

Annual spend, which the company defines as the annualized value of all term license and maintenance contracts at the end of the quarter, was approximately \$564 million at the end of the second quarter of fiscal 2020, which increased 10.0% compared to the second quarter of fiscal 2019 and 3.0% sequentially.

AspenTech repurchased approximately 418,000 shares of its common stock for \$50 million in the second quarter of fiscal 2020.

Summary of Second Quarter Fiscal Year 2020 Financial Results

AspenTech’s total revenue of \$124.7 million included:

License revenue, which represents the portion of a term license agreement allocated to the initial license, was \$70.2 million in the second quarter of fiscal 2020, compared to \$93.4 million in the second quarter of fiscal 2019.

Maintenance revenue, which represents the portion of the term license agreement related to on-going support and the right to future product enhancements, was \$45.3 million in the second quarter of fiscal 2020, compared to \$41.0 million in the second quarter of fiscal 2019.

Services and other revenue was \$9.2 million in the second quarter of fiscal 2020, compared to \$6.0 million in the second quarter of fiscal 2019.

For the quarter ended December 31, 2019, AspenTech reported income from operations of \$41.7 million, compared to income from operations of \$63.8 million for the quarter ended December 31, 2018. Net income was \$38.3 million for the quarter ended December 31, 2019, leading to diluted net income per share of \$0.56, compared to diluted net income per share of \$0.83 in the same period last fiscal year. Non-GAAP income from operations was \$50.9 million for the second quarter of fiscal 2020, compared to non-GAAP income from operations of \$71.2 million in the same period last fiscal year. Non-GAAP net income was \$45.5 million, or \$0.66 per share, for the second quarter of fiscal 2020, compared to non-GAAP net income of \$65.1 million, or \$0.92 per share, in the same period last fiscal year. These non-GAAP results add back the impact of stock-based compensation expense, amortization of intangibles and acquisition related fees. A reconciliation of GAAP to non-GAAP results is presented in the financial tables included in this press release.



[Click here to return to Contents](#)

Capgemini announces Success of friendly tender offer for Altran

31 January 2020

The French financial market authority published the final results of the friendly tender offer of Capgemini for Altran Technologies . Upon settlement and delivery of the tender offer, which will occur on February 4, 2020, Capgemini will hold 137,674,545 Altran shares representing 53.57% of Altran's share capital and at least 53.41% of Altran's voting rights, thereby exceeding the acceptance threshold set at 50.1% of Altran's share capital and voting rights (on a fully diluted basis).

Paul Hermelin, Chairman and Chief Executive Officer of the Capgemini Group, and Aiman Ezzat, who will become Chief Executive Officer of the Capgemini Group as from the General Meeting of May 2020, welcome the outcome: "We are pleased to see that the market supported this transaction. Together, Capgemini and Altran will offer a unique combination of expertise and will become a global leader in "Intelligent Industry". We are confident on the final steps to completion and are now resolutely looking towards the future."

Dominique Cerutti, Chairman and Chief Executive Officer of the Altran Group, added: "We are delighted with the success of the offer and that a majority of Altran shareholders have chosen to tender their shares. This new stage in Altran's history demonstrates our Group's solid transformation. It also reflects the quality and uniqueness of our expertise and differentiated service models. I would like to express my deepest gratitude to our 50,000 employees who have contributed to positioning Altran at such a high level of excellence and have remained committed over the past months."

 [Click here to return to Contents](#)

SAP Announces Preliminary Fourth Quarter and Full-Year 2019 Results

28 January 2020

SAP SE announced its preliminary financial results for the fourth quarter ended December 31, 2019.

New Cloud Bookings Up 25%; Up 31% Excluding Infrastructure as-a-Service in FY 2019

IFRS Cloud Revenue Up 39%; Non-IFRS Cloud Revenue Up 40% in FY 2019

Cloud and Software as Well as Total Revenue Up 12% in FY 2019

Cloud Gross Margin Up 5pp in FY 2019

IFRS Operating Profit Down 21%; Non-IFRS Operating Profit Up 15% in FY 2019

IFRS Operating Margin Down 6.8pp; Non-IFRS Operating Margin Up 0.8pp in FY 2019

IFRS Earnings per Share Down 18%; Non-IFRS Earnings per Share Up 18% in FY 2019

2020 Total Revenue and Operating Profit Outlook Increased from Previous 2020 Ambition

Greenhouse Gas Emissions Reduced for the Fifth Year in a Row; On Track for Being Carbon Neutral by 2025

Women Representation in Workforce 34%; Women in Management 26%, Remains Committed to Goal of 30% by 2022

SAP Cloud Growth, Margin Focus and SAP S/4HANA Adoption Power 2019 Results

SAP's strategy to be the experience company powered by the intelligent enterprise is resonating. More and more customers are turning to SAP and Qualtrics to close their experience gap. At the same time, we continue to see strong adoption of S/4HANA as the core of the intelligent enterprise across all deployment models.

For the fifth year in a row, we delivered on our full year outlook. I am particularly proud of our strong increase in non-IFRS profits and margins while continuing our remarkable top line momentum. This success would not have been possible without the dedication, innovative spirit and discipline of our people.

 [Click here to return to Contents](#)

Implementation Investments

ABN AMRO and Infosys Partner to Accelerate its Cloud and DevOps Transformation Journey

30 January 2020

Infosys has signed a multi-year, multi-million contract with ABN AMRO Bank to accelerate its cloud and DevOps transformation journey. As part of this renewed contract, Infosys will enable ABN AMRO Bank to achieve its business and operational goals by aligning its IT transformation with its cloud platform strategy. Leveraging its expertise in cloud and data management services, Infosys will help ABN AMRO Bank to navigate to a single public cloud to deliver agility and cost efficiency in business operations.

Infosys will deliver this transformation through agile execution. To build a culture of collaboration, Infosys will train the workforce on Microsoft Azure, and other cloud native tools including the ABN AMRO Bank specific toolset, to facilitate CICD (continuous integration and continuous delivery), with a focus on security and code quality.

Mohit Joshi, President and Segment Head – Banking, Financial Services & Insurance, Healthcare & Life Sciences, Infosys, said, “Over the years, Infosys has significantly helped ABN AMRO bank streamline their digital transformation journey and enhance their overall business efficiency. ABN AMRO and Infosys’s strategic joint venture in end-to-end mortgage administration services, Stater, has allowed us to deepen the relationship further with the bank. We will continue to leverage our investments in cloud, digital and DevOps to help the bank achieve agility and optimal business efficiency. As one of ABN AMRO’s longest tenured partners, we are delighted to continue our strategic collaboration with them and will continue to set new digital benchmarks.”

Christian Bornfeld, Chief Innovation & Technology Officer (Group COO) and Executive Board Member at ABN AMRO Bank, said, “At ABN AMRO Bank, we’re excited to be working with Infosys and accomplish our strategic goals and deliver this very key IT transformation in the coming years. Infosys’ strategic investment in cloud, digital and DevOps has helped create best in class solutions and we are confident that this partnership will help us transform our IT environment in a timely and cost-effective way.”

 [Click here to return to Contents](#)

ABN AMRO Strengthens Strategic Partnership with TCS

30 January 2020

Tata Consultancy Services announced that it has strengthened and expanded its strategic partnership with ABN AMRO, one of the largest banks in the Netherlands, to help the latter build a new, scalable technology core that will increase its innovation velocity and support its digital ambitions.

TCS has been a trusted partner for ABN AMRO for the last 15 years and has worked closely with the Bank to drive its growth and transformation agenda across various lines of business, leveraging its full stakeholder portfolio of business and technology services, solutions and intellectual property.

The newly expanded partnership will further accelerate ABN AMRO's digital transformation journey by embracing DevOps to improve the bank's speed to market for its innovative new offerings and continuing to leverage TCS' Location Independent Agile model that enhances collaboration between business and IT, reduces risks and helps deliver superior customer experiences. Additionally, TCS will help the bank reduce its technology debt and build a scalable, future-proof IT core by rationalizing the technology stack, rearchitecting critical systems using microservices and APIs, adopting cloud-native architectures as the default for new system development and migrating workloads to a public cloud.

"Our aspiration is to build a future-proof bank powered by our people and partner ecosystem to create a long-term value for our customers. TCS as our growth and transformation partner is working closely with the bank in rejuvenating our IT landscape leveraging the synergy between IT business and operations. Our accelerated investment in workforce and innovation will help us achieve our ambition of being at the forefront of digitalization and technological developments so that we can deliver innovative products and solutions, enhance the customer experience and provide relevant and personal expertise," said Christian Bornfeld, Chief Innovation & Technology Officer (Group COO) and Executive Board Member, ABN AMRO.

"We look forward to strengthening our long-standing strategic partnership with ABN AMRO in their digital transformation journey. We will leverage our deep contextual knowledge of their business, large portfolio of intellectual property and digital expertise to transform their IT landscape and operations. The new future-proof digital core will enhance their agility and speed to market, and enable superior customer experiences," said Hemakiran Gupta, Business Unit Head, BFSI – Mainland Europe, TCS.

 [Click here to return to Contents](#)

Burr OAK Tool Slashes Production Time with ESPRIT

30 January 2020

Burr Oak Tool Inc. is the leading producer of dies used to produce two types of fins for window air conditioners. Evaporator fins on the side of the air conditioner inside the window transfer heat from the inside air to the cold refrigerant flowing through the evaporator coil. Compressor fins located on the side of the air conditioner outside the window move heat from the now hot refrigerant to the outside air. Burr Oak Tool dies progressively stretch and reform the fins through a series of metal forming operations that extrude and reduce the thickness of the fins. The very complex geometry of the dies must be controlled within +5/-0 ten thousandths of an inch in order to meet fin tolerances.

Until recently, the company finished and semi-finished fins on a Makino Form Grinder because its machining centers could not hold the required tolerances. It took 9.2 hours to produce fins with a waffle form and 11.3 hours for sine wave fins. Burr Oak Tool recently purchased a Mazak VTC-800 4-axis vertical machining center with the goal of reducing machining time for these dies. The new machine is much more difficult to program than any of the machines used previously by the company. Adding to the challenge is the fact that parts are designed in 2D because they have so many holes and other features that it would take prohibitively long to design them as solid models.

Burr Oak Tool previously used a CAM software package that did not accurately simulate machining operations. The company mounted many of the parts it machined on workholding devices called tombstones and it was not unusual for a spindle driven by a new program to crash into a tombstone,

which often required expensive repairs. “We switched to ESPRIT CAM software from DP Technology because it accurately simulates the machine, turrets, spindles, tools and workpiece in real-time operation,” said David Schwartz, CNC Programming Manager for Burr Oak Tool. After switching to the new CAM software, Burr Oak Tool programmers attended ESPRIT training for the Mazak VTC-8000 and the company purchased a Solid Mill Free-Form 3-Axis add-on for one of its ESPRIT licenses.

With ESPRIT, Burr Oak tool programmers detect crashes and gouges during the programming process before downloading the program to the machine. ESPRIT’s simulation capabilities have eliminated crashes while substantially improving the productivity of the company’s programming team. Over the time it has used ESPRIT, the company has reduced its programming team from 12 to 6 people through attrition while substantially increasing its programming volume and its revenues.

The first step in programming the fin dies is importing the 2D models that contain the part definition. Only a few clicks are needed to extrude the 2D models to create the 3D surface geometry. The next step is to define features such as holes and bosses which map into machining operations. Burr Oak Tool programmers currently perform this step manually although in the future they plan to investigate the automatic feature recognition capability of ESPRIT. Burr Oak Tool programmers use ESPRIT’s mill between curves feature to define the surface to be milled.

Most machining operations are performed with the spindle tilted at 30 degrees with respect to the workpiece because ball nose end mills perform better when cutting on their sides than on their points. The milling operation is typically run at a 250 inches per minute feed rate and produces an 8 ra finish, even better than the 16 ra finish produced by grinding. The roughing operations are performed on the same vertical machining centers as in the past and leave about 0.010 inch of stock. The semi-finishing operation is performed on the Mazak machine to remove all but the last 0.002 inch. A small ball nose end mill removes the last 0.002 inch. ESPRIT simulation automatically identifies any moves where the spindle or tool passes too close to the part or machine. Programmers closely compare the part after machining to make sure it matches the design spec. As a final step, programmers use the ESPRIT post-processor for the Mazak VTC-800 to produce code that runs perfectly every time.

“We have reduced machining time to 3 hours on the waffle dies and 4 hours on the sine wave dies, substantially reducing the cost of producing these critical tools,” Schwartz concluded. “Programming the form milling operations on the dies takes only about 2 hours, which is remarkably low considering the complexity of the part. We are confident that once we fully incorporate the capabilities of ESPRIT into our programming methodology we will be able to reduce fin die programming time to only 1 hour.”

 [Click here to return to Contents](#)

French Connection Upgrades to YuniquePLM to Facilitate Growth and Data Integration

28 January 2020

The trend around digital transformation in fashion has been at the forefront of the industry for a few years and companies who are transforming are seeing the payoff with data visibility. “Our team needed a cloud-based solution to simplify IT processes and YuniquePLM® will enable data integration with our current infrastructure,” said Stuart Hart, Head of IT, French Connection.

French Connection offers design-led clothing that's cut with sophistication and quality in mind. The

brand ranges from investment-worthy French Connection clothing to basic jeans and t-shirts, with a focus on a premium aesthetic.

Adding YuniquePLM to French Connection's product development process, that already employs the AccuMark® family of design room solutions, will further transform their processes and help reduce time to market for their clothing lines.

"Upgrading French Connection to YuniquePLM will allow them to scale their business quickly and effortlessly," said Michael Lock, Vice President of Gerber's Global Software Sales. "The solution will allow French Connection to reduce costs by simplifying integration across the company."

French Connection is a design led British brand, creating distinctive products across womenswear, menswear, accessories and home for the modern lifestyle. The brand distributes globally through retail stores, e-commerce, wholesale and licensing channels and is committed to offering a premium experience, ensuring the customer is at the heart of the business.

Since its creation in 1972, French Connection has enthused a passion for design and continues to deliver timeless affordable quality. Innovation remains at the core of the brand and all designs are created and developed from the head office in Camden, London.

 [Click here to return to Contents](#)

Hain Celestial Deploys Sopheon Accolade to Accelerate Transformation

31 January 2020

Sopheon is partnering with the Hain Celestial Group, Inc., a leading organic and natural products company with operations in North America, Europe, Asia and the Middle East providing consumers with A Healthier Way of Life™. Sopheon's SaaS-based Accolade solution is now deployed to enable Hain Celestial to speed its transformation with increased focus on growth through innovation and new product development.

According to Jeff George, Hain Celestial's Senior Vice President of Research and Development, "Innovation and new product development is the cornerstone of Hain Celestial's new business strategy, and this is why we sought out an experienced business partner like Sopheon, who brings advanced technology together with innovation best practices and CPG-specific domain expertise. Accolade will enable our innovation transformation, helping us accelerate growth."

In the past year, Hain Celestial has been undergoing a strategic shift to simplify its portfolio, strengthen innovation capabilities, restore top-line growth, and expand margins and cash flow. At the center of this is the implementation of new innovation operating models that ensure the focus of their critical resources on the brands and categories that will deliver the greatest growth. Sopheon's Accolade innovation management software enables these new agile processes, helping Hain Celestial's business leaders to determine which innovation investments will best deliver on this promise of revenue and profit growth.

An important criterion for Hain Celestial was to be able to move forward quickly with a streamlined best-practice-based approach that will accelerate their time to market. This led them to Sopheon's Accolade solution, which they deployed for use in executive decision-making in fewer than three weeks. "We are delighted to be working with a world leader in organic and natural better-for-you products in Hain Celestial," said Sopheon CEO Andy Michuda. "For nearly 20 years, Sopheon has helped CPG companies create a continuous pipeline of high-value innovations—new products, platforms, programs, processes—and get them to market faster, and we are excited to help drive the same results for Hain

Celestial.”

Accolade is Sopheon’s award-winning innovation management software that connects people, systems and information across departments and functions. This cross-functional collaboration and synchronization results in trusted, timely data for faster, better and more dynamic decision making for the world’s largest and most complex enterprises. Accolade has proven its value to thousands of global users by reducing costs, increasing portfolio value, reducing time-to-market and boosting initiative and product success.

 [Click here to return to Contents](#)

Siemens Capital software helps Groupe PSA digitalize aftersales documentation

29 January 2020

Siemens announced that Siemens’ Capital™ software electrical design product for its automotive aftersales documentation has been selected by Groupe PSA, the second largest car manufacturer in Europe. Groupe PSA is an early innovator of autonomous and connected cars, manufacturing five car brands: Peugeot, Citroën, DS, Opel and Vauxhall. The company has an established process of supplying its facilities with after-sales service documentation with several types of design deliverables aiding rapid diagnosis. Using Capital’s advanced technology, Groupe PSA has replaced a largely manual process and can now automatically render their electrical system diagrams using data that comes directly from the PSA electrical/electronic (E/E) engineering department and their harness suppliers to help provide “correct-by-construction” assurance. The result is accurate documentation created using “as-manufactured” data provided by Groupe PSA’s suppliers which helps ensure rapid and effective vehicle maintenance when required. Groupe PSA can now better enable their digital enterprise and continue to innovate the mobile solutions of the future.

In-house tools for electrical systems can be expensive to maintain, with challenges including IT obsolescence, out of date specifications, and increasing electrical/electronic system complexity, meaning manual processes can no longer cope and are error-prone. The Groupe PSA team needed a seamless, easy-to-use technology to help ensure electrical data continuity. After exploring the software tools available, it selected Siemens’ Capital which provides “correct-by-construction” automated electrical documentation through diagram synthesis.

“Using Capital for electrical design and aftersales documentation has produced tremendous time and cost savings,” stated Yves Bouvier, vice president of Diagnosis, Groupe PSA. “We have already achieved a significant schedule reduction using Capital to deliver our complete schematic after-sales documentation and are targeting above 30% schedule reduction.”

Siemens’ Capital E/E systems development toolchain spans the full electrical system development process from system definition, through design and manufacturing, and into automated service documentation production. Digital continuity of Groupe PSA’s electrical data using Capital enables aftersales documentation driven directly by the actual engineering design data. This provides data accuracy, efficiency and a reduced time to market, which is a competitive advantage in today’s fast-moving automotive industry. Capital is part of Xcelerator, an integrated portfolio of software, services and application development platform that can be personalized and adapted to fit customer and industry-specific needs to help companies of all sizes become digital enterprises.

“Groupe PSA has been on the cutting-edge of automotive developments, and they recognize the importance of adopting advanced technologies, such as our Capital solution,” stated Martin O’Brien,

senior vice president of Siemens' Integrated Electrical Systems business group. "Using Capital's in-built digital data continuity, Groupe PSA realizes a competitive advantage, and we anticipate providing them with more digitalization technologies for their next-generation endeavors."

 [Click here to return to Contents](#)

Simplicity Designs for the Future with Centric Fashion PLM

27 January 2020

Simplicity trade GmbH, the German womenswear company, has selected Centric Software®'s Product Lifecycle Management (PLM) solution. Centric Software provides the most innovative enterprise solutions to fashion, retail, footwear, outdoor, luxury, consumer goods and home décor companies to achieve strategic and operational digital transformation goals.

Simplicity trade GmbH unites two brands, Opus and Someday. Opus was founded as a specialist trouser brand in 2000 and now designs complete women's outfits. In 2015, the Someday brand was created to offer casual women's clothing. Twelve collections are distributed throughout Europe annually via more than 2,000 trading partners and Simplicity's online store.

Simplicity is focusing on the digitalization of its design department to optimize and simplify existing processes. Thanks to Centric Fashion PLM, the design team at Opus will be able to focus on innovating and creating successful products!

"We want to eliminate different Excel sheets and work from a single point of information," explains Susanne Vatter, Head of Design at Opus. "This will reduce errors at the source, enable us to work with greater speed and efficiency, and increase transparency."

Simplicity selected Centric Fashion PLM on the basis of its user-friendliness and Centric Software's fashion industry expertise.

"The Centric interface is attractive, web-based and comprehensible at first sight," says Susanne. "The system satisfies our requirements and makes it possible to implement our processes much more easily. For instance, with Centric Adobe® Connect, the Centric innovation that integrates Adobe® Illustrator, our designers will work in a familiar environment while streamlining their creative design activities. Centric has a large portfolio of fashion customers and the Centric team offers expert advice while working with us in an open-minded, participatory and solution-focused way."

"We look forward to achieving a state of permanent innovation," says Susanne. "Centric Fashion PLM will make our processes more dynamic so that we can focus on creating products that hit the zeitgeist every time."

"We are delighted to welcome Simplicity as our latest partner in Europe," says Chris Groves, President and CEO of Centric Software. "Simplicity's digital strategy begins with facilitating the creative power of its design department, and Centric Fashion PLM will provide an ideal foundation for their full digital transformation."

 [Click here to return to Contents](#)

Product News

ANSYS 2020 R1 Digitally Threads Simulation Across Product Lifecycle Processes

28 January 2020

Companies are accelerating digital transformation by integrating cutting-edge ANSYS (NASDAQ: ANSS) technology across product lifecycle processes through new functionalities released today in ANSYS 2020 R1. From improving product development with ANSYS Minerva to running complex simulations with substantially streamlined workflows with ANSYS® Fluent® to optimizing electromagnetic design processes with ANSYS® HFSS™, ANSYS 2020 R1 enables companies to pioneer trailblazing innovations and create highly cost-effective designs.

As simulation impacts virtually every product development decision, users must address considerable scale and complexity challenges of interoperability, data and process management, high-performance computing (HPC) integration and traceability. Additionally, sophisticated multiphysics simulation and optimization assets must be widely available throughout engineering teams and across product lifecycles. ANSYS 2020 R1 addresses this with portfolio-wide upgrades and improvements to ANSYS Minerva — enabling customers to connect simulation and optimization to their larger product lifecycle processes.

ANSYS Minerva helps companies transform simulation intellectual property into a valuable and controlled corporate asset, capture best practices and digitally thread simulation and optimization more broadly across the enterprise than ever before. Minerva now incorporates advanced technologies for significantly improving workflows and enhancing simulation process and data management (SPDM). This includes dashboards that drive improved decision support, dynamic 3D visualization tools for exploring model data, a state-of-the-art system for managing change and ensuring reliability of information.

OptiSlang — a technology now owned by ANSYS as a result of the recent acquisition of Dynardo — now teams with Minerva’s SPDM solutions to help users reduce development time and expedite the evaluation of affordable optimal design alternatives.

“Navigating digital transformation is about adapting to a constantly evolving environment and using existing tools and data in new ways. With use of simulation expected to expand in the coming years, Minerva is important to Eaton and plays a key part in our larger, enterprise-wide digital prototyping and additive manufacturing (AM) initiatives,” said Todd Earls, vice president of Information Technology at Eaton. “Additionally, traceability and management are essential for efficiency and there are many steps necessary to design and manufacture parts using AM or other processes. ANSYS Minerva will help make our user experience more streamlined than it is today.”

An interoperable knowledge management application engineered with an open and vendor-neutral architecture, Minerva integrates with engineering teams’ ecosystem of simulation tools and enterprise systems and streamlines collaboration and traceability across teams based around the world.

“Customers across virtually every industry seek to radically improve how they leverage simulation, optimize designs and share data to spur innovation and create products more efficiently,” said Eric Bantegnie, vice president and general manager at ANSYS. “Minerva’s improvements help fuse simulation and optimization processes across the enterprise, establishing simulation-based design optimization workflows as a dynamic standardized process for exploring and improving product performance. In addition to Minerva, ANSYS 2020 R1 delivers numerous state-of-the-art upgrades across our portfolio designed to inspire innovation, slash development costs and speed products to market.”

Pioneering Major Advancements in Simulation

ANSYS 2020 R1 delivers upgraded capabilities for flagship simulation platforms including ANSYS® Mechanical™ and ANSYS Fluent that help customers strengthen their digital thread to drive innovation

and overcome design complexity challenges. Additionally, this new release upgrades ANSYS HFSS and ANSYS® Maxwell® to help customers substantially enrich their electromagnetic design processes.

ANSYS Fluent's immersive graphical user interface enables users to directly interact with models and graphical elements.

ANSYS 2020 R1 empowers ANSYS Mechanical users to go further than ever before with added features and enhancements to better handle complex, highly nonlinear and massively large models. Additional functionality streamlines workflows, including post-processing of reinforcements and easy drag-and-drop of external models right into ANSYS Mechanical.

Leveraging ANSYS distributed compute services (DCS) helps engineers run Mechanical and Fluent design iterations with increased speed, delivering new products to market faster than ever.

“Radiate uses simulation from the very early stages of the development process. To fully explore the entire solution space for a given problem, we use ANSYS DCS to push our development to the limit of what is possible,” said Simon Grob, head of simulation engineering at Radiate Engineering & Design AG. “DCS empowers us to evaluate a variety of different solution options and optimize designs in the shortest possible time.”

In ANSYS' fluids suite, Fluent introduces new features that make it easy for nearly anyone — from novices to experts — to effectively run high-quality, complex multiphase computational fluid dynamics simulations using a simplified and streamlined workflow that sets up simulations 25% faster. Fluent users are additionally supported by an immersive and highly intuitive graphical user interface, enabling them to directly interact with models and graphical elements to help speed set up.

Fluent's new release also introduces a new algebraic interface area density model that accounts for differences in drag and interfacial area to accurately simulate complex multiphase transitions between liquid and gas flows. This delivers better simulation accuracy for designing nuclear reactors, oil and gas pipelines and many other applications.

The electromagnetic suite introduces advances in ANSYS HFSS for quickly and accurately modeling antenna arrays — key for enabling 5G. For high-speed electronics, HFSS delivers remarkable solving speed for very large simulations, recently slashing compute time from 50 hours to 5 hours for a specific benchmark.

New upgrades in the area of electronics design enable users to predict and resolve printed circuit board electromagnetic interference and run transient thermal analyses to ensure highly reliable designs.

Also in the electromagnetic suite, ANSYS Maxwell delivers a new multiphysics solver designed to predict noise and vibration in electric vehicle (EV) powertrains, boosting EV overall reliability and performance.

In addition to delivering quiet rides, next-generation EVs will also be safer. Through its acquisition of Livermore Software Technology Corporation (LSTC), ANSYS will enable OEMs to accurately predict a vehicle's reaction and passenger safety in the wake of a collision. Leveraging LSTC's leading-edge simulation will greatly reduce — and possibly eliminate — the requirement for expensive physical prototype testing.

AM customers can now use ANSYS Additive Prep to write build files for multiple AM machine types, including EOS and SLM. This significantly streamlines the development of AM manufactured parts by eliminating the use of third-party software.

ANSYS' materials suite updates ANSYS® GRANTA MI™, focusing on optimizing user experience for

enterprise-wide implementations. The suite also introduces ANSYS GRANTA MI Pro, a new fast-start data management solution for design and simulation — broadening access to the numerous benefits of material intelligence.

The new ANSYS GRANTA MI Pro fast-start data management solution enables access to managed materials data from within ANSYS Mechanical.

Users will explore designs faster than ever with ANSYS® Discovery™ Live's new steady-state fluids solver and an updated structural solver which also improves accuracy for thinner geometries. Users will also receive upfront design insights with the addition of manufacturing constraints and multi-analysis optimization for generative design.

In ANSYS 2020 R1, ANSYS® Cloud™ introduces new licensing options to enable greater business flexibility. Companies can cost optimize cloud software usage by mixing elastic (usage-based) and traditional (leased or paid-up) licensing while accessing on-demand compute resources.

“ANSYS Cloud has been a game changer from a productivity standpoint. We can simultaneously submit multiple ANSYS Mechanical jobs covering different load cases without encountering scheduling or memory capacity concerns,” said Tim Marvel, P.E., vice president, Business Development & Technology at Downing Wellhead Equipment. “For each design, we evaluate 5-10 options with multiple load cases. ANSYS Cloud has reduced the time of each job from 20-25 hours to only 2-4 hours.”

Improving Automotive Safety, Design and Acoustics with ANSYS VRXPERIENCE

From leading-edge optical simulations to new applications for embedded design, ANSYS 2020 R1 delivers new digital thread enhancements across the board to boost the safety, reliability and aesthetics of next-generation autonomous vehicles (AV).

ANSYS® VRXPERIENCE™ provides cutting-edge innovations for sensor, human-machine interface (HMI) and sound simulations. ANSYS VRXPERIENCE Sensor provides a reduced order model (ROM) radar simulation for industrial automation applications, enabling engineers to quickly test and improve the accuracy and robustness of AV radars in edge cases. ANSYS VRXPERIENCE HMI offers a streamlined process to test HMI prototypes faster than ever. ANSYS VRXPERIENCE Sound offers an increased user experience through an improved workflow and user interface that assists users in quickly detecting and analyzing engine noise, helping engineers pivot their design to create a quieter cabin.

“Acoustic comfort in helicopter cabins is critically important for pilots and passengers. Airbus Helicopters uses ANSYS VRXPERIENCE Sound to accurately listen to and analyze sound, troubleshoot unusual noise issues identified in flight and perform fast psychoacoustic indicator calculations to estimate acoustic comfort,” said Julien Caillet, head of department, acoustics at Airbus Helicopters. “By using VRXPERIENCE Sound, we definitely see an unparalleled time gain. ANSYS helps our team make earlier design choices, reduce physical testing and shorten problem-solving time.”

ANSYS 2020 R1 introduces ANSYS VRXPERIENCE Light Simulation to simplify automotive product design illumination, delivering engineering-grade light simulation to studio designers. VRXPERIENCE Light Simulation combines visual design and advanced engineering review by connecting Autodesk VRED design visualization software and ANSYS' physics-based lighting simulations. This delivers a photorealistic visualization of vehicle interior and exterior lighting, enabling users to spend substantially less time and money on physical prototype development.

Boosting Cybersecurity with ANSYS medini analyze

The latest release of ANSYS® medini analyze addresses the increasing market need for systematic

analysis and assessment of security threats to AV cyber-physical systems — beginning early in the system design. This helps automakers model the limitations and weaknesses of AV system components and environmental conditions to provide state-of-the-art cybersecurity.

Illuminating Simulations with ANSYS SPEOS

ANSYS® SPEOS™ incorporates a leading-edge model for camera simulation to increase the accuracy of advanced driver assistance systems (ADAS) and AV simulations, creating results that are closer to reality. SPEOS also stretches the limits of lighting simulation, empowering users to quickly and efficiently model numerous types of lighting variations that AVs will experience on the road and optimize AV lighting system performance.

"Mazda is always eager to introduce smarter technology into their vehicles, from ADAS systems to smart headlamps, tackling the challenges to achieve high-quality requirements and scheduled targets," said Tohru Yoshioka, deputy general manager at Mazda. "Providing physics-based design and testing of optical features, ANSYS SPEOS and VRXPERIENCE are extensively used at Mazda to perform early and iterative digital design and optimization of systems, from adaptive driving beams using complex matrices of LED units to camera systems used in AV-ADAS technology. This enables us to significantly reduce the physical prototyping and testing phase of these systems while improving safety and fast-tracking time to market."

Improving AV Safety-Critical Software Development with ANSYS SCADE

The latest version of ANSYS® SCADE further accelerates AV embedded control software design, incorporating several new capabilities designed to reduce the development time and cost for automatic code generation of safety-critical software throughout the development cycle by over 50%.

ANSYS 2020 R1 extends the scalability of ANSYS SCADE Vision to further accelerate testing activities and improve safety of large, AI-based perception software projects by creating direct connections to data lakes on customer cloud clusters.

Slashing Development Time and Boosting Productivity with ANSYS Twin Builder

ANSYS® Twin Builder™ now includes ANSYS Twin Builder Battery Wizard which will shorten development time of building, simulating and testing an entire battery-powered electrical system across industries.

"A123 uses ANSYS Twin Builder to perform thermal simulation of their 48V battery pack development. With the help of the simulations, A123 can determine thermal dependency on electric performance, design cooling supply, calculate temperature distributions and predict battery life," said Shawn Zhang, senior manager, Simulation Engineering at A123 Systems. "A123 also utilizes ANSYS Twin Builder's ROM technologies for simplifying complex 3D thermal simulation which significantly reduces the simulation time from days to few seconds while keeping the required simulation accuracy."

Additionally, ANSYS Twin Builder features innovative improvements to its industry-leading ROM capabilities including the capacity to capture higher non-linearity components and the integration of a tool-agnostic static ROM builder to enable field visualization for ROMs. Twin Builder also provides improved workflows for Modelica and runtime generation.

Power and Thermal Reliability Solutions for Automotive and 5G Semiconductor Electronics

New updates to ANSYS® Redhawk-SC™ help engineers gain better insights into more complex designs and substantially slash simulation runtime — delivering significant performance and accuracy improvements.

Also in 2020 R1, the ANSYS® Totem™ and ANSYS® RedHawk™ product family are certified to support a comprehensive list of advanced FinFET nodes and 2.5D/3D-IC packaging technologies. This empowers customers to address the growing multiphysics challenges of power, thermal and reliability in ultra-large and high-performance SoCs that are at the heart of AI, 5G and automotive applications.

 [Click here to return to Contents](#)

ASCON Group Releases KOMPAS-3D V18

28 January 2020

ASCON Group, a Russian developer of high-performance CAD/AEC/PLM systems, is pleased to announce the English language release of KOMPAS-3D V18 for mechanical engineers. This computer-aided design program for professionals is distinguished by speedier processes, multiple productivity improvements, and brand-new functions.

Highlights of the new KOMPAS-3D V18 include the following:

New User Interface

Toolbars have been combined into ribbon-like sets, with each set designed for specific tasks. As you switch between different types of documents, the sets change dynamically. Users can work in traditional light mode or the new dark theme.

The new Quick Access Toolbar offers easy access to commands that select modes, control images, and more.

We added more languages, so that users can run KOMPAS-3D in English, Turkish, and Korean.

Significantly Improved 3D Modeling

We rewrote KOMPAS-3D's internal algorithms to improve performances. The result is that many tasks are now accelerated, such as working with three-dimensional models (see figure 2), creating and updating associative views (see figures 3 and 4), displaying the user interface and work windows, more. The updated system is now the fastest version ever of KOMPAS-3D.

KOMPAS-3D is better at working with sheet metal with the new functions that we added, and we improved the way that fillets are constructed.

New Versioning Capability

Model documents can now contain multiple versions of the same model. Data about two or more model-build options take common design features and then generate the variations with user-defined differences.

Miscellaneous Updates

We improved how the BOM (bills of materials) and the Add-Ons Configurator work.

Pricing and Availability

KOMPAS-3D V18 is available today through ASCON's worldwide network of value-added resellers. For details and pricing, please contact your nearest reseller. To locate the one in your region, please visit ascon.net/en/main/partners/.

 [Click here to return to Contents](#)

Atos facilitates public cloud protection with new CSPM service powered by Palo Alto Networks

28 January 2020

Atos launches a new Cloud Security Posture Management (CSPM) service powered by Palo Alto Networks Prisma™ Cloud technology. With this new multi-cloud managed service, Atos helps customers address the challenges with public cloud adoption by enabling complete visibility, control and compliance from a single pane of glass.

Atos' CSPM service includes:

Prisma Cloud™ by Palo Alto Networks: Prisma Cloud is the most complete cloud security posture management (CSPM) and cloud workload protection platform (CWPP). It helps ensure consistent security across multi-cloud and hybrid cloud environments and simplifies security operations through cross-cloud security visibility. This assists organizations that leverage public cloud platforms and a rich set of microservices to build and deliver applications rapidly as well as provide visibility and threat detection for SecOps and DevOps teams across their cloud infrastructure.

Consulting, configuration and integration services: Helping clients with a global network of cybersecurity and cloud experts to develop policies in order to prevent common issues related to cloud adoption, the service ensures that a client's platform is optimally configured, as the majority of cloud vulnerabilities are due to misconfigurations.

Operations and response services: Through its global network of security operations centers, Atos supports customers with the day-to-day administration of their CSPM platform and, in the event of an incident, assists them with security incident response services.

“Our new Atos CSPM service, developed with our partner Palo Alto Networks, combines the expertise of the market-leading solution with the proficiency of the market-leading managed security services provider. Using the Atos CSPM service, our clients gain complete 360° visibility of all their resources in public cloud and are able to enforce a unified compliance strategy that integrates seamlessly into their enterprise security model,” says Chris Moret, senior vice president and head of cybersecurity services at Atos.

“We continue to be highly focused on delivering technology that enables customers on their cloud journey, by delivering an extensive set of security capabilities across multiple clouds and cloud configurations for on- and off-premises within a single suite.” says Christian Hentschel, President Palo Alto Networks Europe, Middle East and Africa. “Working closely with Atos, we are accelerating access to comprehensive CSPM solutions by combining our respective expertise.”

 [Click here to return to Contents](#)

EMWorks Launches MotorWizard, a Template Based SOLIDWORKS Add-In Product for Electric Motor Design

27 January 2020

Electric Motor design using computer aided simulations has rapidly expanded in the recent years and is the most requested workflow among EMWorks customers and prospects. After listening to their customers and prospects, EMWorks has launched its new product, MotorWizard, to help SOLIDWORKS users to design and simulate electric motors. MotorWizard is a template-based add-in product to SOLIDWORKS and complements other EMWorks products, namely EMS for SOLIDWORKS and EMWORKS 2D, which are Gold certified flagship products for SOLIDWORKS.

MotorWizard is a template-based software embedded inside SOLIDWORKS and provides electromagnetic analysis of electric motors based on both Analytical and Finite Element Analysis (FEA). In the current version of MotorWizard, different brushless Permanent Magnet DC motor templates are provided which makes the generation of the motor model automatic, easy and straightforward. The entire process of generating a SOLIDWORKS CAD model is carried out by just entering the desired characteristics, type and the geometrical dimension of the motor. Although the workflow is very intuitive and straightforward, EMWorks has provided detailed help in the form of videos and documents to highlight the workflow and the usage of its latest product.

MotorWizard has several features to automate the electric motor design process and remove the grunt work from the user. Automatic winding generation implemented in the software, proposes a variety of possible winding configurations based on number of slots and poles of the motor. This removes the guess work from the user and helps in creating realistic windings configurations for your motor. A manual winding option is also provided to expand the possibilities and study faults in the motor. MotorWizard provides users with a fully customizable material library which contains commonly used materials in the electric motor industry. The results section in MotorWizard contains both analytical and FEA results. MotorWizard automatically determines the best option for the various performance results for the motor. Common FEA operations like mesh refinement, boundary conditions setup, magnet direction definition, and post-processing are not required to be input by the user because MotorWizard handles them automatically. If you want to see a short demonstration video, click EMWorks Youtube Channel. EMWorks is also glad to offer prospects a free 60-day trial version of MotorWizard.

 [Click here to return to Contents](#)

exocad DentalCAD 2.4 Plovdiv available now

27 January 2020

At the end of 2019, exocad GmbH announced the worldwide availability of the new software version DentalCAD 2.4 Plovdiv - after Matera in March 2019, the second comprehensive release of the year.

One of the highlights is the significantly enhanced FullDenture module, which now also allows the design of removable single jaw dentures in a guided digital workflow. With the new and expanded functionality in the FullDenture module, practically all digital full denture production methods can be mapped. Whether printing or milling, readymade or individually designed teeth - with the new Plovdiv release, digital full dentures can be implemented more easily than ever before.

With this release, exocad provides users of the leading dental CAD software with an innovative tool with great future potential. Dental technicians can now gradually prepare their laboratory for the digital fabrication of complete dentures. "Plovdiv is the second major release of DentalCAD in the last year. This release contains 64 new features and 45 extended functions that make our software even more attractive for every dental technician. This time, the focus of our innovation is on removable dentures and advanced implant-supported bridges", said Tillmann Steinbrecher, CEO of exocad.

The straightforward user guidance characterizes the entire exocad software portfolio. The exocad wizard, tried and tested for years, also guides dental technicians step by step through the FullDenture module - a great advantage especially for new users. Plovdiv Experts benefit from the unique flexibility of the software, which gives them maximum design freedom via the software's expert mode.

The prosthetic tooth library has been expanded to include well-known manufacturers such as Vita, Dentsply Sirona and Ruthinium. With selected libraries it is even possible to scale and modify the existing shapes allowing users to manufacture their own denture teeth in a variety of production methods.

 [Click here to return to Contents](#)

GRANTA MI Pro – new fast-start option for materials data management

31 January 2020

This month's ANSYS 2020 R1 release includes ANSYS GRANTA MI Pro, a new fast-start materials data management solution from the ANSYS Granta team.

GRANTA MI Pro draws upon the industry-leading technology provided in the GRANTA MI Enterprise solution, which supports enterprise-wide management of materials information at hundreds of major engineering enterprises globally.

With GRANTA MI Pro, a subset of the GRANTA MI Enterprise tools are provided in a package focused on one particular application: providing input data for design and simulation. GRANTA MI Pro makes it easy to build a list of materials and their properties from in-house sources and suppliers, and to combine this data with simulation-relevant reference data from the ANSYS Granta data library. This combined resource can then be made available to the design and simulation community via direct integration with their NX CAD or ANSYS Workbench CAE environments.

GRANTA MI Pro is ideal as a starting-point on the materials information management journey for larger organizations where providing data to design and simulation is an urgent priority, or as a solution for smaller organizations with focused requirements.

 [Click here to return to Contents](#)

Oracle Helps Utilities Identify and Fix Asset Issues Faster

30 January 2020

Every year, millions of avoidable asset failures go unnoticed until the damage is done. While the proliferation of smart sensors and devices are enabling assets to “talk” about their health, utilities have struggled to decode this barrage of new data to hear and understand them. With advanced analytics and pre-built data visualizations in Oracle Work and Asset Cloud Service (WACS), utilities can quickly reveal the story their assets are telling to drive faster, more accurate decisions at a fraction of the cost.

“With a new natural gas-fired plant coming online in 2023, it was critical that we had a modern asset management system in place to track our diverse assets,” said Steve Saunders, director of information technology, Seminole Electric. “Oracle WACS will enable Seminole to quickly visualize all of our assets so that we can focus on delivering the most reliable service to our members.”

Breaking down data silos, WACS brings together best-in-class capabilities for asset and operational device management, GIS and mobile field service in one platform. Unlike other solutions that only offer the star schema for reporting, WACS today offers 118 pre-defined visualizations and 57 base calculations out-of-the-box, with additional visualization options planned. With data displayed on easy to consume dashboards, utilities gain the ability to bypass the need for costly data manipulation and can get key intelligence into the hands of business stakeholders quickly. And with all the data coming from the same reporting structure, utilities can compare metrics and benchmark their performance against set goals and KPIs.

“Asset failures are consistently linked to costly and devastating issues for utilities,” said Dan Byrnes, SVP of product development, Oracle Utilities. “It’s critical that utilities do less guessing and more listening when it comes to the health of their assets. Being able to not only manage the massive amounts of data coming in but also visualize it in a way that elicits action is the holy grail in keeping assets performing effectively and safely. WACS enables utility stakeholders to make sense of their data right out-of-the-box—no business analyst degree needed.”

The pre-built visualizations allow users to slice data such as failure count or cost by elements like the asset type or manufacturer. Users can also choose from an extensive library of pre-built calculations such as Mean Time Between Failure or Asset Availability to quickly build their own visualizations sliced any way they want. With data also flowing freely into the system from smart, connected assets and devices, utilities can identify and easily visualize infrastructure weaknesses throughout the lifecycle of the asset. This includes asset acquisition, set-up, and performance—such as predictive maintenance, repair, and inspection activities—through to the purchasing and inventory of parts.

WACS empowers electric, gas, and water utilities of all sizes to cost-effectively measure and continually improve performance by providing centralized support of fixed and linear assets and a growing portfolio of intelligent devices, to help:

Prevent failure: by providing ways to identify risks of asset failure faster and easier; eliminating the day-to-day tasks of collecting data and maintaining separate systems of record, and; having the full breadth of asset performance data at the ready to make business and investment decisions.

Enhance intelligence: 118 prebuilt visualizations, nine data subject areas, and 57 base calculations, with more planned to be added regularly, make it easy for utilities to visualize and “hear” what their assets are saying. Utilities can also integrate data coming from their other investments, such as SCADA systems, to give a truly holistic view of their operations and asset health.


Take action: effectively without losing time and resources to investigate faults; create work orders based on the criticality of the asset and schedule the field visits and crews accordingly, and; manage and monitor work progress via dashboards.

Optimize performance: of an asset maintenance program by benchmarking performance. This enables utilities to accurately plan their investments based on asset conditions and to implement ISO 55000 plans quickly to generate results faster.

In a recent study, sixty-four percent of utilities noted that cloud computing is critical to their company’s future success, in large part due to the need to better manage an ever-growing pool of data coming from smart meters, IoT sensors, etc. Utilities realize that it is becoming too great a task and risk to manage this influx without a significant investment in tools that can capture and analyze data quickly. To learn

CIMdata PLM Late-Breaking News

more about how Oracle WACS is helping utilities manage this deluge of data, visit [here](#).

 [Click here to return to Contents](#)