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CIMdata News

CIMdata announces formation of a High Technology Electronics Consulting Practice

1 October 2014

Practice to provide consulting, research, and guidance on the top PLM issues affecting High Technology manufacturers, OEM's, and supply chain participants.

CIMdata, Inc., the leading global Product Lifecycle Management (PLM) strategic management consulting and research firm, announces the formation of its newest practice to support High Technology Electronics Manufacturers. The practice will concentrate on the unique PLM issues faced by the High Technology Electronics industry – including chip manufacturers, board manufacturers, original equipment manufacturers, consumer technology products, industry specific equipment manufacturers, contract manufacturers, original design manufacturers, and electronics industry suppliers.

Peter Bilello, President of CIMdata, announced that Ms. Laila Hirr will lead the practice. Ms. Hirr's title will be High Technology Electronics (HTE) Practice Manager. "With the increasing product, market, and supply chain complexities being faced by the high technology industries and the very rapid pace of development those industries must manage, it is crucial to provide HT&E with advocacy to drive their industry specific needs into viable PLM solutions. We're very excited to have Ms. Hirr take on the challenge," stated Mr. Bilello.

"The High Tech sector faces unique PLM challenges around the pace of their business, challenges that are defined by the mix of tools used, the complexity of the regulatory compliance issues, the high interactivity with the supply chain, and yes, the maturity of the PLM offerings to address their specific

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needs. In addition, the High Tech sector has a far broader, flatter constituency than some of the big iron industries, which makes representation of their needs with the PLM solution providers a real challenge” stated Ms. Hurr.

With this added consulting practice, CIMdata will offer a portfolio of strategic management consulting, research, and educational services for the industry specific needs of the High Technology Electronics market.

This consulting practice will leverage CIMdata’s more than thirty years of experience serving industry organizations and solution providers with strategic management consulting, market research and analysis, and best practices education. For more information contact CIMdata at info@CIMdata.com or at +1 734.668.9922.

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 for PLM solutions. These solutions incorporate both business processes and a wide-range set of PLM-enabling technologies.

CIMdata works with both industrial organizations and suppliers of technologies and services seeking a 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 internationally. CIMdata serves clients around the world from offices in North America, Europe, and the 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.

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PLM Investment Sustainability: Measuring Long-Term Resilience (CIMdata Commentary)

1 October 2014

Key takeaways:

- *A sustainable PLM solution is one that can meet current and future business requirements with an acceptable return on investment (ROI) via incremental enhancements and upgrades*
- *A sustainable PLM solution minimizes risky, complex, and expensive “Rip and Replace” projects*
- *CIMdata’s PLM Enterprise Value & Integration Knowledge Council has done research on the topic of PLM investment sustainability and developed a model that can be used to assess the sustainability of PLM solution implementations within industrial companies*

Introduction

CIMdata defines a sustainable PLM solution as one where the complete PLM solution (i.e., the software, processes enabled, and support service) is meeting the company’s business needs now and well into the future via continuous and cost effective improvements rather than a series of discontinuous, high-

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intensity, and costly PLM replacement events. CIMdata has developed a model and process to assess the sustainability of a PLM solution implemented at industrial companies.

As a part of its PLM Enterprise Value & Integration (PEVI) Knowledge Council, CIMdata has conducted research on PLM sustainability that has resulted in the PLM Investment Sustainability model presented in this paper. Based on interviews with industrial companies, PLM solution providers, and CIMdata's consulting experience, PLM Investment Sustainability has been distilled down to the seventeen elements shown in Figure 1.



Figure 1—PLM Investment Sustainability Elements

These elements are defined as follows (also see Figure 3):

- **Functionality**—Examines how well the solution's breadth, depth, robustness of capability, and security support end user and organizational requirements.
- **Usability**—Determines how well the solution can be operated by end users to produce their required deliverables.
- **Stability**—Considers the solution's ability to remain functional over time under stated or reasonably expected conditions of use.
- **Reliability**—Looks at how well the solution can consistently perform according to its specifications, as well as its reliability and dependability as related to the accuracy and validity of managed data, and/or achievement of required supporting capabilities and processes.
- **Availability**—Examines the solution's readiness for use in terms of the ratio between the time during which the solution is operational and elapsed time.
- **Compatibility**—Considers how well the solution can be connected to appropriate enterprise and desktop solutions within the organization without the use of special software (i.e., custom interfaces).
- **Scalability**—Examines how well the solution can adapt to increased demands, usually in the number of end users and the amount of data managed.

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- **Portability**—Determines the solution’s ability to be installed and operated in an operating environment other than the one in which it was initially deployed without requiring major rework.
- **Mobility**—Considers how well the solution can access data and functionality from multiple end user interface devices freely, easily, spontaneously, and independently.
- **Configurability**—Examines how well the organization can configure the solution’s data model, user interface, and workflows to fit the organization’s specific and changing requirements.
- **Localizability**—Tests how well the organization can make the solution relevant to the organization’s various units around the world (e.g., by the ability to configure and support local languages, processes, terminology, etc.).
- **Extensibility**—Examines how well the organization can expand or add to the solution’s capabilities.
- **Maintainability**—Determines how well the organization can keep the solution operating in an appropriate condition.
- **Upgradability**—Looks at the organization’s ability and ease related to implementing a new version of the solution.
- **Installability**—Considers the organization’s ability and ease related to loading and configuring the solution before its first use (including the first issue of an upgrade).
- **Testability**—Examines the organization’s ability and ease related to validating the solution’s capabilities against the solution’s defined requirements.
- **Openness**—Considers the solution’s openness; including what license terms control use of the source code, underlying frameworks, databases, data formats (XML, etc.), and protocols (SOAP, REST, etc.).

By measuring their support for these elements an organization can gain a broad perspective on where their PLM solution is operating well and what areas need attention.

Why Should I Care?

At CIMdata, we believe companies have always managed their product lifecycle, but ever increasing pressures and complexities are forcing companies to leverage technology to improve efficiency and stay competitive. Customer and regulatory requirements as well as competition drive companies to continue to develop products and services that perform better at a lower cost. A by-product of product development is an increase in product definition data and more complex relationships between data elements that lead to the need for more complex technology and processes to manage the information.

Figure 2, from the CIMdata whitepaper, *An Emerging PLM Value Gap in the Aerospace & Defense Industry—Initial Characterization of PLM Value Leaders*, September 2013, shows how PLM Solution capability and value vary over time. The blue Vision curve represents the vision of the PLM solution providers, that is what they believe they can deliver. The green Technology curve represents the actual capability available within PLM solutions. The dashed black line shows the average value obtained from implementing a PLM solution and the heavy black curve represents the value that leaders receive. The gap between this Implementation line and the Technology curve is the value gap that the best implementations minimize. Based on its research, CIMdata is seeing a bifurcation of companies where the leaders are getting, and will continue to get, better value and ROI from PLM technology than the followers.

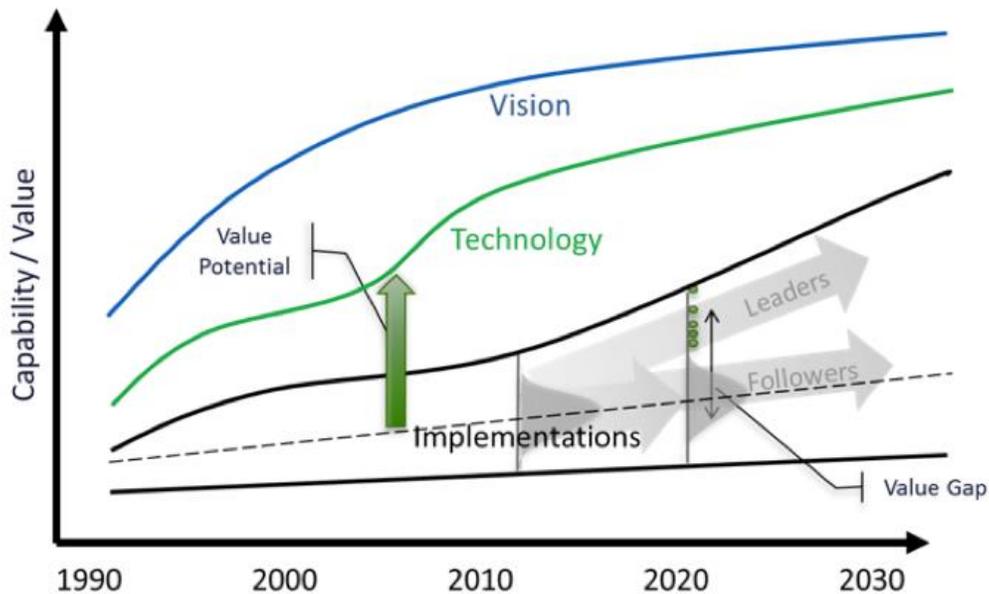


Figure 2—PLM Value Gap

The fundamental issue executives are concerned with is long-term return on investment. They want to ensure they are getting the maximum value from their PLM investment and that the magnitude of the value gap is minimized. A core issue with long-term ROI is whether the PLM environment can support current as well as future business requirements including upgrades, expansions, and mergers and acquisitions without significant disruption or expense. The PLM Investment Sustainability Model is designed to help industrial companies quantify the elements that create the gap so it can be minimized, and ROI maximized.

CIMdata's PLM Investment Sustainability Model

The PLM Investment Sustainability Model is built using CIMdata's proven maturity model methodology. The seventeen elements are clearly defined and key criteria characterize the elements. For this model, the levels of maturity are unsustainable, partially sustainable, and fully sustainable. Unsustainable solutions must be replaced to support current and future needs. Partially sustainable solutions can support current and future needs if some investment is made to improve the solutions. Fully sustainable solutions can meet current and future requirements via straightforward continuous improvement.

The data acquisition for the model is implemented using a web-based survey. A series of questions captures the current state of each element's criteria. This data is then processed to provide the level of sustainability for the organization. Figure 3 shows an example of sustainability measurement.

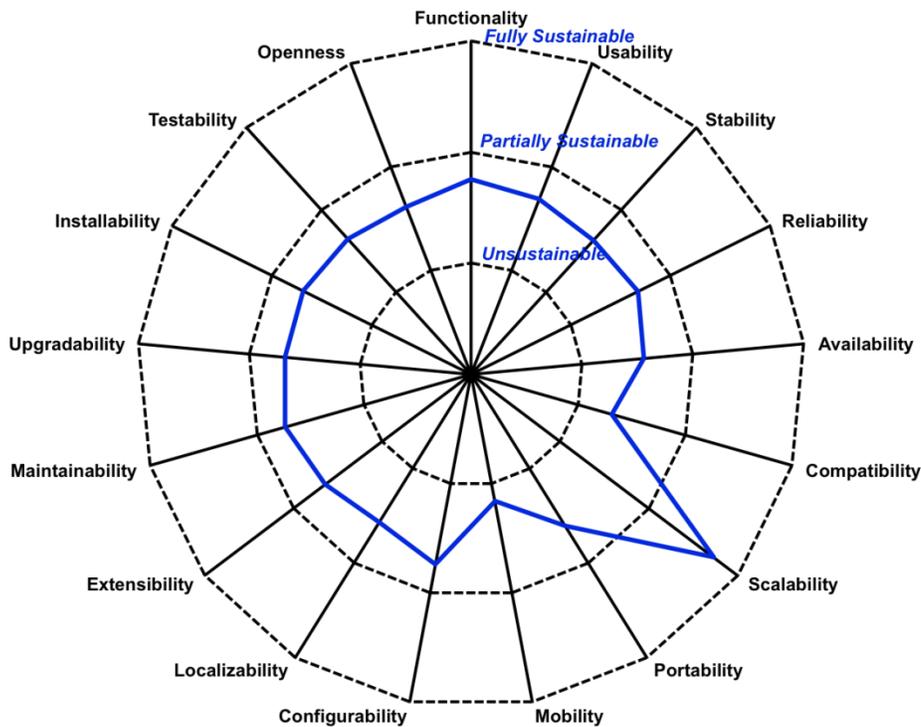


Figure 3—PLM Investment Sustainability Model Result

Using the PLM Investment Sustainability Model

The PLM Investment Sustainability Model provides a systematic method of assessing the sustainability of a PLM solution deployment. The results from the model are presented in simple, visual charts that can be used to identify areas for improvement. After PLM solution changes are made re-execution of the model can measure the effect of those changes on sustainability. The model can operate as a standalone solution or can be integrated with other business tools and processes.

Closing Comments

The PLM investment sustainability model provides a quantitative tool that can be used by industrial companies as well as solution providers to assess the sustainability of a PLM solution. Based on the results, industrial companies can choose improvement projects that will maximize their PLM solution performance and its sustainability into the future. Members of the PEVI knowledge council provided input to develop the model as well as validation support to ensure its accuracy. Council members have the right to use the model for internal assessments and solution provider PEVI knowledge council members can use it to assess their clients and prospects. Contact Tom Gill, t.gill@cimdata.com for more information.

About CIMdata

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at <http://www.CIMdata.com> 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.

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PLM Road Map 2014

2 October 2014

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces the successful start of its PLM Road Map™ 2014 conference in Plymouth, Michigan. The theme of the conference was *PLM-enabled Continuous Product Development and Delivery for the Automotive & Transportation Industry and Supply Chain*. 142 people, from a number of industries, attended the event. Sponsorships sold out.

Driven by comments from speakers at previous PLM Road Map events concerned with the large number of gray haired attendees, CIMdata started a program to encourage young engineers to attend. The “You give them the Time, we give them the Ticket™” program was very successful and popular with the industrial companies in attendance.

The format of this year’s PLM Road Map was presentations by industrial PLM users interleaved with short vignettes about topics of interest presented by the sponsors. Highlights of this year’s event are the keynote speakers who shared experiences from across industries. Speakers included:

- *The Volvo Journey*, Anders Carlsson, Senior Advisor - Virtual Manufacturing & PLM, Volvo Car Corporation
- *New Age Collaboration and Design*, John Mannisto, Engineering Director, Simulation-Based Design, Whirlpool Corporation
- *Global Product Development & the CAE Challenge*, Dan Mekker, Manager, Gas Turbine Design Integrity, Siemens Energy
- *Advanced Information Technology Solutions: An Engine of Innovation*, Greg Schroeder, Senior Research Engineer, Center for Automotive Research
- *A Flexible Approach to PLM*, Rolf Hüsemann, Manager, Engineering Systems & PLM, GETRAG FORD Transmissions
- *Model-Based Systems Engineering and PLM*, Dr. Nicholas (Nick) Bell, CIO, Global Product Development, Information Technology, General Motors
- *“Built for It”, The Caterpillar Service Information Solution*, Mike Perez, Strategic Projects & Services Manager, Caterpillar Inc.
- *Additive Manufacturing & Conformal Cooling*, Lou Young, Jr., Director of New Business Development, Tooling & Manufacturing, Linear Mold & Engineering
- *The “Platformization” of PLM*, Peter Bilello, President, CIMdata

The Collaboration Cafe™, provided a vibrant environment for open discussions among the attendees and the sponsors.

About CIMdata

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Product as a Service: A Competitive Imperative in Industrial Equipment: a CIMdata Commentary

30 September 2014

CIMdata Commentary

Key takeaways:

- The global industrial equipment (IE) market is crucial for economic development and growth
- In many IE products, software and embedded electronics are providing differentiating features, and providing the most user value
- Many IE products are delivered as a service, imposing new requirements on product development and lifecycle management
- Product data used downstream to support manufacturing and services requires broad, deep, and varied content and delivery
- Some claim that these trends are driving a fourth industrial revolution

Introduction

Manufacturing is the engine that drives the global economy. Finance and other services may generate large amounts of cash, but it is manufacturing that helps economies grow and mature. Industrial equipment (IE), which encompasses a broad range of products, is essential to manufacturing—something that has been true since the Industrial Revolution. The ability to produce machines to make other machines is commonly used to measure the strength of a country's manufacturing sector. For example, Germany, Japan, and the United States have historically been leaders in the machine tool market (a key segment of the IE market), which correlates to their success in manufacturing. While these countries are still among the leaders, China has sped past them in recent years, which reflects the rapid growth of China's manufacturing capabilities.

Just as in other industries, IE companies are always looking for new ways to compete and to differentiate their offerings. Machines can be made to stock for catalog ordering. More often they are configured to order from pre-defined modules, or engineered to order where more complex adaptation is

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necessary to meet customers' requirements. In recent work on the IE market, CIMdata has introduced the notion of "innovation to order," to connote situations where more than engineering is required.

Changing Dynamics of the IE Marketplace

The nature of IE products is also changing. Electronics and embedded software have long been important in this market. But just as in other manufactured products, more and more value delivered by industrial equipment is coming from their embedded software. This has required changes in the product development process and expansion of the skills required in IE companies. Because of this reliance on software, CIMdata has also witnessed a growing interest in systems engineering within this market.

Getting smarter through embedded processors and software helps IE products generate large volumes of data about their usage, status, ambient conditions, location, and other factors. Making machines Internet-capable provides ready access to this data, even in remote locations. Because these ubiquitous machines are increasingly joining this "Internet of Things," it makes the world and solutions of "Big Data" more relevant to both IE suppliers and their customers. Large volumes of data must be captured, processed, and analyzed to help assess machine status and effectiveness. Embedded self-test is giving way to remote diagnostics that rely on this data to determine when, and how, to maintain and enhance IE.

To borrow a phrase from mathematics, making good products is a necessary but insufficient condition for achieving market success. Industrial equipment often has an extremely long useful life, something factored into capital budget analysis in making the purchasing decision. IE product companies have to be ready, willing, and able to stand behind their delivered equipment for its useful life. In fact, some companies are seeing this lifetime support as their differentiation and primary money-making opportunity.

Product as a Service

Just as General Electric reimagined its jet engines as a service delivering "power by the hour," IE products are increasingly being seen as services. Customers want to buy uptime, not just a piece of equipment. Instead of a purchase order for a piece of equipment, buyers are executing a service-level agreement (SLA) that specifies that level of uptime. In this new world, first-time quality is important, but overall equipment effectiveness and efficiency (OEE) is a critical metric. Revenue from the product lifecycle comes not only from the initial sale, but from the provision of services and "authorized" spare parts. Historically companies have made big profits on spares, with some figures as high as 50-60% of revenue in service on spare parts, and 30% margins on the parts business. With more emphasis on parts and service, this needs to be optimized.

While IE companies have always worried about product development and quality, this new focus changes the way this work needs to be done.

Impacts on Product Development

Because many IE products are configure-to-order or engineer-to-order, product development systems need tools that support rapid configuration that can be used by sales and marketing, and by product design. Design tools to enable engineer-to-order or innovate-to-order must support cross-disciplinary design processes spanning mechanical, electrical, electronics, and software. These tools also create a greater need for analysis early in the product development process, so that failures are discovered virtually, and at a faster pace, speeding up development. All of this information needs to be managed as a virtual "single source of truth" to help drive downstream documentation for manufacturing and services. It also must be associative so the information can be readily adapted to support product variants.

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As discussed above, machines are becoming smarter, and must engage as part of the Internet of Things. Designs must include more sensors, network connections, and other components to support this evolving requirement. Planning for the lifecycle must also include capturing and analyzing downstream data. Even simple machines will generate large data volumes, forcing companies to deal with more data from more channels. This makes the ability to handle Big Data more relevant, particularly to support predictive analytics.

Other Enterprise Impacts

Beyond just product development, companies need to close the loop across the lifecycle to maximize learning. Some important considerations for IE include:

- Depending on the IE segment, companies' support for Big Data needs to include harvesting information from the social web, and combining it in meaningful ways with other data sources.
- The focus on service makes connecting with customer relationship management (CRM) even more important. Companies must better leverage customer feedback from these solutions to enhance future product development. Including social tools to identify, vet, and harvest ideas, extending the conversation to prospects and other stakeholders.
- IE customers often rely on enterprise asset management (EAM) to ensure their equipment is operating at optimal efficiency. IE product companies need to determine how best to integrate with these solutions to gather and leverage field data.

If IE companies are delivering products as a service, the knowledge base supporting that service needs to be broad, deep, and varied in content and delivery. Beyond just manuals, there needs to be more "how-to" support, possibly including more use of video and simulations in the field. Textual information must be provided in multiple languages, and designed to support varied user skill levels. (If done right, videos and simulations have the added benefit of being independent of language.)

Because most of the work will happen in the field, this knowledge must be accessible from anywhere, to support the "deskless" workers who will rely upon it. This suggests that SaaS and Cloud-based applications are appropriate, and can add more value to support the needs of global services. Content must be associative, with evolving product and process definitions, to ensure that services can be delivered accurately and efficiently. Ideally, this information can be associated with other enterprise systems, like EAM, to support scheduled maintenance, preventative maintenance, and analytics-driven actions to support the vision of delivering products as services.

IE companies that want to deliver this vision will require a broad range of enabling solutions. These can include nearly the full range of CIMdata's PLM definition, such as mechanical computer-aided design (MCAD), computer-aided manufacturing (CAM), simulation and analysis (S&A), requirements management, collaborative Product Definition management (cPDM), application lifecycle management (ALM), electronic design automation (EDA), and digital manufacturing. Their chosen solution and service providers will need to understand the specific needs of the IE industry, and how best to bring these varied solutions together to meet the broad range of product and process requirements found in IE. Other industries have already taken many steps toward this vision and can provide insights on how best to make this complex journey. For more information, contact Dassault Systèmes at <http://www.3ds.com/how-to-buy/contact-sales/>.

Conclusion

Industrial equipment is a broad market, one that powers global manufacturing. This market faces significant challenges and is evolving to address them. One significant change is that more IE products

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are being delivered as a service. This makes availability at the right price and lifecycle cost the central metric, one that creates significant issues but also offers great opportunities. It makes connection with other enterprise processes and solutions even more important, and it makes information gathering from more sources across the extended enterprise and from the field essential for success. In the face of this competitive imperative those that will succeed will have to adopt the right combination of processes and enabling technologies.

Some claim that these trends, and how the industrial equipment market is responding to them, are part of a fourth industrial revolution. At this point, there certainly has been a renaissance, an awakening of innovation, entrepreneurial spirit, and some market success. Will their broad adoption in traditional product development environments trigger that revolution, bringing down the dominant paradigms? The economic notions of creative destruction and discontinuous innovation suggest it is possible. These early successes are just the beginning.

About CIMdata

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Wipro 2014 Analyst Event: Leading the Change (CIMdata Commentary)

2 October 2014

Key takeaways:

- *Wipro held their 2014 Analyst and Advisor Day in Boston, MA, an event bringing together over 200 Wipro staff and key influencers from across a range of industries*
- *TK Kurien, Wipro's CEO, updated the crowd on the big changes afoot in IT that lead to changes in his company*
- *Leading customers like Corning and Johnson & Johnson are facing those same trends; using Wipro for some IT services allows them to focus on delivering applications that provide differentiating value*

Wipro Ltd. held their 2014 Analyst and Advisor Day in Boston, MA on September 24, 2014. The event drew analysts from a range of firms covering the wide variety of industry segments that Wipro supports. Wipro is a global information technology, consulting, and outsourcing company with over 147,000 employees serving clients in 175+ cities across 6 continents. The company posted revenues of \$7.3 billion for the financial year ended Mar 31, 2014. Their PLM business fits within their Media and Telecom & Product Engineering Services group, one of seven groups in the company. CIMdata estimated their 2013 PLM-related revenues at \$131 million. The agenda included a mix of executive presentations, customer presentation, and panels, and allowed generous time during the day for

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networking and meetings with Wipro executives. The day concluded with a reception.

TK Kurien, Wipro's CEO focused on the future of Wipro. While his comments were forward looking, he emphasized that Wipro must continue to execute at a high level on their current business. It is the present that funds the future. In the present, consumers have more technology than most enterprises. Consumerization, driven by the megatrends of social, mobile, big data/analytics, and cloud, will have a huge impact on IT and Wipro's business. First, everything will be digital. It will also be increasingly open. According to Mr. Kurien, about 70% of their customers are experimenting with open source in their IT stack. The Internet of Things (IoT), and specifically the Industrial Internet, is a place where Wipro believes they have a strong play, and Mr. Kurien thinks big things will happen in the next few years. CIMdata agrees that areas like IoT, the cloud, and open source will be important growth areas in the coming years. Like some other system integrators, Wipro adds artificial intelligence to big data/analytics. They have been working over the last two years to integrate AI into their services framework, with about 200 people developing processes and patentable technology. Mr. Kurien believes that this technology could cause a fundamental disintermediation in the services business. In the part, the management structure was a pyramid, where people can come in, mature, and advance. Using AI, the pyramid will change to an hourglass, where it will be harder to move to the top. CIMdata believes this is a challenge for which Wipro has yet to craft a solution.

To meet this challenging future head on, Wipro is supplementing their considerable internal resources with a venture capital fund, an expanding patent portfolio, and new partnerships. They will continue to revamp their organization design to best support this new future. Their venture fund gets \$100 million each year, and has made two investments, one in IoT and one in big data. In years past, Wipro would file 70 to 80 patent applications per year. Last year it filed 250, and this year will pass 400. Next years target is 900, and Mr. Kurien believes there is enough IP across the four target areas (digitization, open source, IoT, and AI) to make a substantial difference in their business in the next 3 to 5 years.

Three large Wipro customers, Catholic Health Initiative (CHI), Corning, Inc., and Johnson & Johnson, spoke about their on-going IT transformations. The healthcare industry is undergoing fundamental changes itself, above and beyond the tectonic shifts in IT. Consumerization of IT is having a big impact, and is one of many areas CHI must address. Founded in 1851, Corning is one of America's oldest companies, but they are quite nimble in business, research, and manufacturing. But, like many companies, a large portion of their IT budget was going to support what Mr. Andy Nixon, a Divisional CIO at Corning called "non-differentiating conversations," often around utility services like telephony that are part of their IT budget. Wipro is helping by taking over and improving the provisioning of those services, as well as working to advance Corning IT to provide more strategic applications and support. Just as at Wipro, a big part of the change at Corning is organizational. This is a challenge at a place like Corning, where Mr. Nixon, a 16 year Corning veteran, is usually the junior person at most meetings. Johnson & Johnson is a huge company, with more than 250 companies in over 60 countries. Steven Wrenn, Global VP for Application Services, spoke about the complexity of their IT environment. For example, J&J has over 100 SAP instances. They face the same issue as the other companies: IT must dedicate more of its resources to delivering strategic applications that provide competitive advantage, and less to "keeping the lights on."

The business environment for many large systems integration firms has been difficult over the last few years. The dynamic changes in the business and IT landscapes are forcing these firms to change their business models, develop more differentiating technology, and to innovate and collaborate in new ways. Wipro is early in this journey, and is making solid moves to build IP and new age services. Success is not assured, but Wipro has little choice if it wants to survive and thrive in this challenging future.

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CIMdata looks forward to the next Wipro Analyst event to hear the next chapter.

About CIMdata

CIMdata, an 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). CIMdata provides world-class knowledge, expertise, and best-practice methods on PLM. CIMdata also offers research, subscription services, publications, and education through international conferences. To learn more about CIMdata's services, visit our website at <http://www.CIMdata.com> 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.

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Company News

Accenture Launches New Innovation Center for Oracle Engineered Systems to Help Clients Accelerate and Simplify Deployment of Oracle Technologies

30 September 2014

Accenture is launching the Accenture Innovation Center for Oracle Engineered Systems, enabling faster and more cost-effective deployment of Oracle solutions for clients. The Innovation Center will include prebuilt environments that allow clients to test, train and complete proof of concepts with Oracle Engineered Systems in order to prepare for a smoother implementation within their own infrastructures.

The Accenture Innovation Center for Oracle Engineered Systems, located in the Accenture Enkitec offices in Dallas, combines Accenture's functional and industry experience with Oracle's leading technologies. The Innovation Center will build on the existing capabilities of the [Accenture Oracle Engineered Systems Center of Excellence](#) with new components including Oracle SuperCluster, Oracle Big Data Appliance, Oracle Database Appliance, Oracle ZFS Storage Appliance and Virtual Compute Appliance. Before making a significant investment, clients will be able to test their workloads on one or more of Oracle's pre-integrated systems to see how a similar setup can accelerate enterprise application deployment, strengthen analytics capabilities and improve overall performance.

"Our goal is to help clients transform their data centers and accelerate time to value from their Oracle technology investments," said Terri Strauss, managing director and global Oracle business lead for Accenture. "This new Innovation Center for Oracle Engineered Systems takes advantage of offerings such as our Oracle Exadata data migration toolkit, the [Accenture Foundation Platform for Oracle](#), and Accenture solutions and experience in specific industries including health and life sciences, to help clients simplify their infrastructure, reduce operational costs and encourage innovation."

Oracle Engineered Systems combine Oracle's software and hardware technology, pre-integrated onto a single platform to enable innovations at every layer of the stack. This can help clients accelerate the development, delivery and commercialization of business solutions based on Oracle's Engineered Systems, including Oracle Exadata Database Machine, Oracle Exalogic Elastic Cloud and Oracle Exalytics In-Memory Machine.

Accenture [completed](#) its acquisition of Enkitec in June, bringing Enkitec's substantial experience and

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skills to Accenture's Oracle business to help simplify solution implementation, increase productivity and accelerate time to value with Oracle Engineered Systems and database technologies for clients.

Accenture has a fast-growing Oracle enterprise solutions practice, with more than 52,000 Oracle-skilled consultants around the world qualified to provide implementation, upgrade and application outsourcing solutions for the Oracle product suite. Accenture is a Diamond level partner in Oracle PartnerNetwork (OPN).

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AKKA and Dassault Systèmes Announce Innovation Partnership; 3DEXPERIENCE Platform Used on Link&Go Autonomous Connected Vehicle

3 October 2014

AKKA Technologies and Dassault Systèmes, two international companies that are pioneers and trailblazers in their respective markets, today announced a long-term partnership aimed at promoting innovation in the self-driving connected vehicle market. Aware that two leading organizations together, such as AKKA and Dassault Systèmes, can be a powerful driver for industry innovation and growth, Maurice Ricci, CEO of the AKKA Technologies Group and Bernard Charlès, President and CEO of Dassault Systèmes, have decided to join together to address the challenges of the quickly advancing connected mobility market.

With this partnership, AKKA and Dassault Systèmes will offer high-end engineering services and solutions to help the global automotive industry. The topic of driverless and connected vehicles is critical and one of the 34 projects of the "New Face of the Industry" promoted by the French government.

Both companies share the same drive to answer the market's demand for ever more connectivity, the challenge of cloud-enabled vehicle services, and the move towards "consumer experience" a primary business goal. Smart, driverless vehicles, a result of collaboration between the automotive sector and the digital economy, are a perfect example of the cloud-enabled consumer experience. For AKKA, this means developing the self-driving connected concept car known as the Link&Go, considered one of the best showcases of smart driverless technology. For Dassault Systèmes, it means delivering its 3DEXPERIENCE platform, a cloud-based collaborative business platform, to AKKA and the overall transportation and mobility industry.

AKKA's engineers will draw upon the 3DEXPERIENCE platform to develop the next generation of its autonomously driving Link&Go concept car, using Dassault Systèmes applications to ideate, design, simulate and validate on a single collaborative platform hosted on the Cloud. The new partnership will help speed up the development of the next Link&Go concept, whose technological advancements will focus on how mobility consumers can benefit from customised and customisable services. Bringing the new vehicle development platform and the 3DEXPERIENCE platform together will facilitate project management throughout the design phase, providing engineers with a unified social collaboration space that encourages the adoption of new technologies and new processes, the pooling of institutional know-how, and the unleashing of a multicultural, global experience approach.

"This partnership is a real technological development that will help create new services to suit the connected world and promote our engineers' excellence and creativity," explains Maurice Ricci.

“The challenges of creating mobility experiences of the future are fundamentally transforming the entire industry,” added Bernard Charlès. “What does a car experience look like when you tie it to the cloud, infotainment, mapping and GPS, and so many more services? This partnership will answer those questions, support driverless vehicle development, and address infrastructure integration, such as connectivity to the smart city of the future.”

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Alphacam Extends Vectorline Role

30 September 2014

Alphacam has expanded Canadian reseller [Vectorline's](#) role to cover the whole of the country, and to work with metal manufacturers.

Based in Sarnia, Ontario, Vectorline has focused on Alphacam's woodworking customers for six years, and Managing Director Paul Demchuk carried out Alphacam training and support programming for machinery retailers since 2000. Before that, he used Alphacam in industry as a manufacturer.

Alphacam Sales Manager Perry Boyett says: “Vectorline's background, and in particular Paul Demchuk's extensive experience with Alphacam, makes the company ideal for taking on the extended role we were looking for. Alphacam is getting increasingly popular throughout Canada, and Vectorline is now its primary reseller there.

“We are excited to be expanding our relationship with Paul Demchuk and Vectorline. Their focus is on quality training, and their plans to extend Alphacam's solutions beyond the case goods market will add to our growth across Canada.”

Vectorline is currently recruiting additional staff to strengthen its program of site visits, open houses, strategic seminars and partnering with machinery manufacturers.

Paul Demchuk says: “Our main emphasis is educating manufacturers on implementing and using Alphacam to ensure they get the very best out of their software investment. There are some exciting new and enhanced features in the forthcoming 2015 R1 release, and we're looking forward to unveiling those across all markets – metal, wood, stone and plastic.”

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ANSYS, Stanford and Honeywell Collaborate to Create More Fuel-Efficient Aircraft Engines

30 September 2014

Engineers from [Stanford University](#), [Honeywell International](#) and [ANSYS](#) are working together with simulation software to create more energy-efficient aircraft engines at lower costs.

As demand grows for increased gas turbine efficiency, engine manufacturers are challenged with creating designs that operate at higher temperatures. But that becomes a significant challenge as temperatures approach the melting point of some engine component material. A well-established method

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for maintaining turbine blade temperatures at acceptable levels is to employ "film-cooling," a technique in which cooler, compressor-discharge air is detoured around the combustor then ejected from precisely-machined holes placed over the surface of the turbine airfoil. Excessive use of compressor air for turbine film cooling can, however, reduce engine efficiency.

Historically, film-cooling-hole-placement on turbine airfoils has been optimized by elaborate experiments, sometimes necessitating engine testing. For decades, research engineers have been developing computer simulations of film cooling geometries with the ambition of reducing – if not eliminating – the need for expensive, time-consuming rig testing.

Stanford, with support from Honeywell and ANSYS[®], is performing a new type of testing with 3-D magnetic resonance velocimetry to measure the velocity and concentration field in a test section. These methods measure the turbulent interaction of crossflow jets with the main flow, for a variety of jet configurations and orientations. These data sets provide an important benchmark against which the large available range of ANSYS turbulence models and computational methods can be compared. The objective is to develop validated models, methods and best practices for prediction of film cooling.

"This is the first time that an engineering software company has supported an extensive test series like this, and it illustrates the commitment of ANSYS to the continued upgrade of the turbulence models in ANSYS computational fluid dynamics solutions," said John K. Eaton, the Charles Lee Powell Foundation professor in Stanford's School of Engineering. "Our combined efforts are aimed at validating the turbulent mixing models in these tools over entire complex flow fields, something that has never been done before. Conducting this testing over a wide range of film cooling conditions provides a comprehensive test of the predictive capability."

"At 30,000 feet in the air, there's little margin for error," said Brad Hutchinson, global industry director for industrial equipment and rotating machinery at ANSYS. "By always focusing on solving the most complex problems – like the thin film cooling challenge Honeywell and Stanford are addressing – ANSYS ensures that our customers are armed with the tools that will help them to create the most innovative products on the market."

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Autodesk Names Scott Herren Chief Financial Officer

1 October 2014

[Autodesk, Inc.](#) announced R. Scott Herren will join the company as senior vice president and chief financial officer, effective November 1, 2014. Herren, who is currently serving as senior vice president of finance at Citrix, will bring 30 years of financial, strategic and operational experience to Autodesk. He will be based in San Francisco and report to Autodesk President and Chief Executive Officer Carl Bass.

"I am excited Scott has agreed to join Autodesk and look forward to having him on the team," said Bass. "Scott's broad mix of financial, sales and product management experience will be a fantastic addition to Autodesk. His leadership at Citrix, which like us, is tapping into cloud and mobile computing to help customers work better, will benefit Autodesk in our transition to a more recurring, subscription-based business model over the coming years."

Herren has spent the past 14 years at Citrix, a leader in mobile workspaces, virtualization, networking

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and cloud services. He currently leads the company's finance, accounting, tax, treasury, investor relations, real estate and facilities teams. Prior to his current role, Herren held a variety of leadership roles at Citrix including vice president and managing director for EMEA and vice president and general manager of the company's virtualization systems group. Before joining Citrix in 2000, he spent 16 years in senior strategy and financial positions at FedEx and IBM.

“At Citrix, I spent time studying Autodesk and its move to a cloud and subscription model, and so had insight into the company and was impressed with what I saw,” said Herren. “I’m thrilled to join Autodesk and this fantastic senior leadership team during this exciting time.”

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Ciber, a Global IT Consulting Company, Earns Infor's Alliance Partner of the Year Award

30 September 2014

Ciber[®], one of Infor's leading implementation partners, was named an Infor Alliance Partner of the Year for fiscal year 2014 at the recently held Inforum conference. Infor chooses regional Alliance Partners based on thought leadership, industry knowledge, regional expertise and understanding of how Infor's industry-specific applications can strengthen a client's competitive position in the marketplace. Ciber has been an Alliance Partner since the program's inception.

“Infor has more than 50 Alliance Partners across the globe, and we are proud to honor Ciber with this award,” said Lynn Sauder, Infor vice president of Alliances. “This past year, Ciber helped drive more revenue to Infor than any other Alliance partner worldwide. Ciber's experienced staff and deep domain expertise strengthened client relationships within key markets Infor serves, including Healthcare, Public Sector and Manufacturing.”

Along with winning an Alliance Partner of the Year Award, Ciber has been working with Infor on the latest version of [Infor Financials Xi](#). Ciber was selected to provide input on the strategy and feature sets of the product due to Ciber's strong product knowledge, customer feedback and leadership in Infor Lawson upgrades.

“Partner input is very important to Infor, and Ciber has been a trusted source to us for many years,” said Darci Snyder, vice president of Product Management at Infor. “The direct feedback Ciber receives from customers is critical to the testing and validation stages of development, as we strive to provide the best product to help clients solve industry-specific problems out of the box.”

Ciber's relationship with Infor dates back to 1995, and the consulting company's Infor experts have helped enhance client Infor systems through more than 3 million consulting hours.

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CONTACT Founds Fast Concept Modelling & Simulation GmbH

29 September 2014

CONTACT Software is now providing its offering for the early phase of product development and the rapid development and functional validation of model variants through an independent company. To do

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this, the company founded Fast Concept Modelling & Simulation GmbH, which is headquartered in Munich.

The subsidiary is responsible for business activities in the field of product validation. The offering is centered around Fast Concept Modelling (FCM), an innovative, CATIA CAA-based software that allows a greater degree of automation when using numeric calculation methods.

CONTACT's managing director Karl Heinz Zachries outlines the objectives of the new subsidiary: "This realignment will allow us to establish FCM in the market long-term by systematically driving forward the development and marketing of the product together with new partners." According to Zachries, the new, autonomous limited company will be able to concentrate on the extremely specialized domain of simulation and computation, operate with greater agility and provide an optimum response to the needs of CAE with FCM.

FCM is a unique solution: As CATIA Workbench, the concept tool permits rapid creation of parametric geometry models. It goes beyond the options of native CATIA parametrics and provides direct modeling techniques. Furthermore, FCM provides CATIA users with automatic definition of boundary and load conditions, assignment of attributes, networking, calculation and optimization in the loop. This means that companies can dispense with the laborious manual conditioning of CAD models for computer simulation and speed up the entire development process significantly.

Simplifications which are used for simulation do not change the original geometry. Changes to the model as a result of optimization are made to the geometry rather than to the computational mesh. This enables designers to continue with their work on their models immediately after functional validation.

FCM is an open system that uses readily available CAE software for the optimization loop and can be incorporated in an existing CAx environment with no special requirements. The result is that companies can move more rapidly from the initial idea for a product to a functionally validated concept that in turn allows seamless transition to series development.

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Distribution Agreement Signed between GRAITEC Romania and KANISCO Bulgaria

1 October 2014

GRAITEC Romania expands its distribution network in Bulgaria by signing a strategic partnership with [KANISCO Ltd](#), one of the most acknowledged Autodesk resellers in the region.

KANISCO will promote, distribute and provide technical support for all software products distributed by GRAITEC, such as [GRAITEC Advance Design](#), [Autodesk Advance Steel](#) or [Autodesk Advance Concrete](#).

Established in 1991, KANISCO is one of the most acknowledged partners and distributors of Autodesk software, providing software solutions and services for the CAD / AEC / GIS / CAM / FEM field. For further details, visit their [official website](#).

By signing this partnership, they aim to expand their market share in the region by creating a network of distributors, through which they will be able to sell software directly and, at the same time, to be closer to customers and provide full support in localizing their products.

The common objective of GRAITEC and KANISCO is to provide their customers with integrated

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advanced solutions, designed to increase productivity and to enhance efficiency.

To this purpose, GRAITEC and KANISCO established a series of joint actions: webinars and online training sessions, workshops and meetings with users and prospects to launch and promote this unique partnership and the benefits offered to customers.

The first seminar, in a series of events organized by GRAITEC and KANISCO under the "[Be part of the BIM revolution](#)" logo, is scheduled for October 14th, 13:00 h, at Hotel Ramada Sofia.

The participants will have the opportunity to discover the latest features of Graitec Advance Design, Autodesk Advance Concrete and Autodesk Advance Steel 2015, including the facilities and benefits offered by GRAITEC through special packages, such as Advance PowerPack.

Jiri BENDL, Operations Director GRAITEC Eastern Europe, said: "This partnership comes at the right time as GRAITEC becomes a strategic partner and distributor of Autodesk products. We are confident in this collaboration. To recognize its professional skills, last year, during the annual Autodesk partners meeting held in Bucharest, Kanisco Ltd. was declared the best partner in Bulgaria in the areas of architecture, infrastructure and building design."

Krassin Pavlov, General Manager KANISCO, said: "This partnership allows us to offer our customers new advanced solutions and also to benefit from the experience of GRAITEC, one of the largest international software developers for the construction sector."

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IMAGINiT Technologies Earns Autodesk PLM 360 Advisor Certification

30 September 2014

[Rand Worldwide](#) today announced that its [IMAGINiT Technologies](#) division is now a certified Autodesk PLM 360 Advisor. This allows IMAGINiT to implement, integrate and support PLM 360, a simple to deploy, cloud-based product lifecycle management (PLM) solution.

"Being Autodesk PLM 360 Specialized in the U.S., a PLM 360 Referral Partner in Canada and now a PLM 360 Advisor, we've accumulated years of PLM experience," says Tim Johnson, senior vice president, IMAGINiT Technologies. "With the introduction of the Autodesk PLM 360 offering, PLM is now accessible to organizations of all sizes. Our legacy of PLM experience translates into our unique ability to help clients understand and recognize the benefits that a PLM solution brings to bear. Together we can help our clients eliminate bottlenecks, manage change and effectively share data throughout their entire product development process."

"The IMAGINiT PLM team brings deep-expertise to this space and Autodesk is confident that any company would greatly benefit from their strategic approach," says Brian Roepke, director of PLM at Autodesk. "Autodesk PLM 360 combined with IMAGINiT's expertise offers manufacturers a complete solution that harnesses the true power of PLM."

To achieve Autodesk's PLM 360 Advisor certification, IMAGINiT completed intensive training, demonstrated successful PLM 360 client implementations, and proved they had a dedicated team from sales to technical support along with a roster of several satisfied PLM 360 customers.

PLM Educational Resources

Webcast – IMAGINiT will hold a complimentary webcast entitled [Go Full Circle with PLM 360](#). This

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60 minute online session will cover how Autodesk PLM 360 can impact business goals and initiatives and help deliver more profitable products in today's global competitive landscape. With new cloud-based PLM options, businesses can quickly implement processes with easily customizable configurations and without expensive overheads.

IMAGINiT manufacturing solutions manager, Carl Smith, will moderate this live online session which will host guest speakers Stan Przybylinski, vice president of research at CIMdata who will share current industry trends on PLM, followed by IMAGINiT client, Behlen Manufacturing who will share their PLM implementation story.

This session kicks off at 2:00 PM (US/CAN Eastern Time) on October 22, 2014. Registration is free, but advanced sign-up is required. To secure your spot, [register now](#) for this informative session.

Whitepaper – To further explain the benefits of Autodesk PLM 360 and address the realities of data security for this cloud-based solution, IMAGINiT expert Pete Markovic, in association with the editors of Cadalyst magazine, has authored a new whitepaper: [Product Lifecycle Management – What Is PLM and How Can It Help My Company?](#)

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Infosys Strengthens Relationship with Oracle to Deliver Next Wave of Services Innovation

30 September 2014

[Infosys](#), a global leader in technology, consulting and services, announced that it is extending its relationship with Oracle to enhance support for a range of innovative solutions and services on new technology platforms. These platforms will enable enterprises to use Oracle products to reshape their business and create new innovation ecosystems.

Chief Executive Officer of Infosys, Dr. Vishal Sikka, made these significant announcements in his keynote address at the Oracle OpenWorld. Infosys will use its Oracle PartnerNetwork Diamond Level Partner status, its global network of Innovation Centers, and its extensive experience of implementing Oracle solutions in more than 30 countries to help their joint clients gain lasting competitive advantage driven by the latest technology advancements.

Infosys and Oracle will expand their relationship across digital marketing, big data and Oracle Cloud Applications, underpinned by investments from Infosys in Oracle technology.

Digital Marketing

- Infosys has established a Center of Excellence (CoE) for digital marketing exclusively around Oracle Marketing Cloud. The rich and robust product functionality of the Oracle suite combined with Infosys business consulting, systems integration and innovation services can help implement enterprise digital marketing strategies efficiently. These include supporting the marketing process – from campaign conceptualization to measuring return on marketing investments
- Infosys announced it has accelerated campaign launch cycle by 30 percent and increased campaign response rates by five percent for a leading industrial manufacturer using a

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combination of Infosys consulting and systems integration capabilities and Oracle Marketing Cloud

- Infosys has also implemented Oracle Marketing Cloud to drive automation and increase efficiency across its marketing operations

Big Data

- Infosys has worked with Oracle to enable the Infosys Big Data platform to unlock the value from clients' investments in existing Oracle systems such as Oracle Exadata Database Machine, Oracle Big Data Appliance, Oracle Exalytics and other data technologies. This now allows customers to extract business insights from very large amounts of both structured and unstructured data in near real-time, providing complete, real-time and end-to-end visibility of data across the entire IT landscape
- The Infosys Big data platform comes with over 50 data source connectors that allow immediate access to structured and unstructured data residing across the enterprise in existing Oracle and other vendor systems
- Infosys has also developed industry-specific solutions for big data in retail, communications, oil and gas, and automotive industries delivering capabilities such as fraud detection and prevention, predictive analytics and monitoring, and customer micro-segmentation that deliver faster returns on investment

Oracle Cloud Applications

- Infosys is increasing its activities around Oracle Cloud Applications. This includes training 1000 consultants every year in each Oracle Cloud Applications pillar, augmenting one of the largest pools of Oracle Cloud Applications' consultants worldwide
- Infosys is building solutions for Oracle Cloud Marketplace and has more than 30 solutions in the pipeline. The two companies are also co-developing Oracle Fusion applications

Oracle-engineered Systems

- Infosys has utilized multiple Oracle Exadata Database Machines to build CoEs on Oracle-engineered systems
- Infosys and Oracle are building solutions including proof-of-concept solutions for clients. These are demonstrated in the Infosys Innovation Center located at the Oracle headquarters in San Francisco

Java related competencies

- Infosys has deeply invested in Java and built an experienced pool of strong Java/JEE skilled employees spanning across the globe and working on providing solutions to Infosys clients across multiple domain and verticals
- Infosys is a key member of the Oracle PartnerNetwork specializing in Oracle Java Platform. The company is expanding its open ecosystem capabilities around Java and domain-specific languages such as Scala, Groovy, Jython, JRuby and Clojure that are based on Java and Java Virtual Machine

Quotes:

Ravi Kumar, Executive Vice President and Global Head, Oracle Practice, Infosys:

“Infosys has worked with Oracle to create a wide range of service offerings to help our joint clients take

CIMdata PLM Industry Summary

advantage of the transformational power of software. Oracle continues to develop their products to help businesses compete and grow. Combining the innovation power of Oracle and the global consulting and systems integration expertise of Infosys will enable organizations to redesign and transform their operations and derive increasing value from existing and emerging technologies.”

Derek Williams, Executive Vice President, Oracle:

“I am pleased to see the continued commitment and investment from Infosys across the Oracle portfolio. Infosys teams with our sales organization to provide differentiated value in our joint sales cycles and implementation services to enable successful customer go lives. In addition, they have worked with us on co-development projects. Their Diamond level sponsorship at Oracle OpenWorld is another example of their level of continued commitment.”

Troy Richardson, Senior Vice President, Strategic Alliances, Oracle:

“Oracle and Infosys have worked together for over a decade and this has resulted in joint go-to-market synergies across Oracle’s entire portfolio. Infosys’ deep domain expertise and global delivery model can help solve our joint customers’ most complex business problems via its transformation-led consulting approach.”

Trademarks

Oracle and Java are registered trademarks of Oracle and/or its affiliates.

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Polarion Software joins Siemens PLM Software Solution Partner Program as a Software and Technology Partner

30 September 2014

Polarion Software today announced its partnership with Siemens PLM Software focused on integrating Product Lifecycle Management (PLM) technology from Siemens with Polarion’s Application Lifecycle Management (ALM) solution. The integration will unlock synergies between software engineers and their mechanical and electrical counterparts through unprecedented data federation, interoperability and bi-directional traceability.

Siemens PLM Software is a leading global provider of PLM software and services, and its Teamcenter® portfolio is the world’s most widely used digital lifecycle management software. Polarion Software is the creator of the world’s fastest enterprise scale browser-based ALM solution. Using the latest technology and unified by design, Polarion ALM provides traceability and transparency across all software development activities. With embedded software having become one of the most important components in engineered product advancement, the orchestration of both lifecycle management disciplines will enable organizations to accelerate collaboration, integrity and innovation.

“Polarion Software is excited to join Siemens PLM Software’s partner community. The strength of our two organizations working together will deliver significant value to our customers,” says Stefano Rizzo, Polarion’s SVP Strategy and Business Development. “With embedded software having become the most important component in engineered product innovation, the long-anticipated convergence of software and product development tools will help organizations to finally gain a 360 degree view of their projects’ history, status and outlook, taking development efforts to the next level.”

CIMdata PLM Industry Summary

“Siemens PLM Software is committed to creating partnerships to help enhance the end-user experience of our customers,” said Eric Sterling, Senior Vice President, Lifecycle Collaboration Software, Siemens PLM Software. “We are pleased to work with Polarion Software to provide open, integrated solutions that improve the productivity of our mutual customers. The partnership addresses the pressing need for integration across enterprises in industries including automotive, medical devices, electronic engineering, manufacturing and aerospace, and we look forward to working with Polarion Software to bring value to large, distributed teams and enterprises worldwide.”

Edoardo Sivera, System Integration Team Leader, CNH Industrial confirms that “this is great news that we’ve been hoping for ever since we started using both Teamcenter and Polarion. The integration of software and product development processes will allow us to achieve a much better use of our tools and resources and help our teams bring innovative products to market at a much faster pace.”

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Simpleware appoint Theo Verbruggen as Global Sales Director

1 October 2014

Simpleware are pleased to announce the appointment of Theo Verbruggen as Director of Global Sales, where he will be responsible for providing leadership for the overall strategy of the company's commercial activities. He will be reporting directly to Simpleware Managing Director and CEO Dr. Philippe Young.

Verbruggen comes to Simpleware from twelve years at Dassault Systèmes, where he most recently acted as Director of Technical Sales for Simulia Benelux and GEO Leader for Dassault Systèmes Benelux.

At Dassault Systèmes, Verbruggen was responsible for leading the company's Benelux operations, including the SIMULIA Benelux Centre of Simulation Excellence. He managed sales of Simulia software products, the sale of engineering consulting and training services, and customer advocacy. He has over twenty years of B2B sales and marketing experience, and is an expert in developing business solutions for software.

Dr. Philippe Young commented on the appointment: "I am very pleased that Theo has joined our team. This represents a new stage in the growth of Simpleware."

Theo Verbruggen commented: "Being part of this excellent and fast growing company, with its skilled and enthusiastic team, is an exciting opportunity for me. Simpleware's cutting edge and robust technology offers a solid basis to attract new customers in existing and new industries as the company expands its global presence."

The appointment comes at a time of major growth for Simpleware, with the company having expanded its market presence in 2014 in South America, Asia, Europe and the U.S. Simpleware are now expecting to significantly develop its international reach in 2015 and 2016.

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Events News

3D Systems to Feature Latest in Metal and MultiJet 3D Printing at TCT Show + Personalize

30 September 2014

- Full Suite of Advanced 3D Printing and Design-To-Manufacturing Solutions on Display, including Metals, Full Color and MultiJet Applications
- Keynote Address by 3DS Healthcare Leader Highlights Personalized Surgery and Medical Device Applications
- Company Sponsoring Bright Minds UK Educational Experience with Cube[®] 3D Printing and Sense[™] Scanning

[3D Systems](#) announced that it will showcase a full suite of advanced 3D printing and design-to-manufacturing solutions at this year's TCT Show + Personalize in Birmingham, UK, September 30 – October 2, 2014. 3D Systems (Booth D32) will feature a host of professional and consumer 3D printers along with its reimaged engineer's desktop for scanning, designing and prototyping.

On display at the 3D Systems booth will be one of the industry's premiere metal 3D printers, the [ProX[™] 200](#), along with the new full-color [ProJet[®] 4500](#) and the multi-material [ProJet 5500X](#). In Booth H22, visitors can see a wide range of 3D metals printing applications from [LayerWise](#), a leading provider of advanced direct metal 3D printing and manufacturing services recently acquired by 3D Systems.

Attendees are also invited to peruse 3DS' new lineup of consumer 3D printers, including [Cube[®]](#) and the prosumer 3D printer, [CubePro[™]](#), which bring high-resolution, plug-and-play print capabilities to hobbyists, makers, professionals and students. In addition, visitors can experience 3DS' reimaged engineer's desktop featuring desktop scanning, CAD, digital sculpting, prototyping, printing and inspection, all from one location.

As part of its presence at TCT, 3D Systems is partnering with Black County Atelier (BCA) and TCT Magazine for a second consecutive year to bring the TCT Bright Minds UK to the show. TCT Bright Minds UK gives hundreds of schoolchildren hands-on experience with 3D printing and design in an effort to spark innovation and creativity in the next generation of technology leaders. Inside a large classroom at the exhibition hall, BCA will lead educational workshops using 3DS' [Sense[™] scanners](#) and Cube 3D printers.

“We consider it our responsibility to help tomorrow's engineers, designers, manufacturers and innovators to start learning this exponential technology today,” said Cathy Lewis, CMO for 3DS. “For that reason, we're proud to once again sponsor TCT Bright Minds UK and to provide this valuable workshop experience.”

In addition to 3D Systems' exhibition and education spaces, the company's Vice President of Personalized Surgery and Medical Devices, Andy Christensen, will give a keynote address on the power of 3D printing in the healthcare sector. One of the pioneers in this sector, Christensen will discuss how

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additive manufacturing is enabling surgeons and healthcare practitioners to achieve new heights in personalized medicine. See Christensen's keynote talk at 10:10 a.m. on October 2 in the main arena.

Attendees can also see a complete scan-design-print-inspect workflow using 3DS' products and Geomagic® software solutions led by 3DS' Gareth Glezzard in the seminar zone on October 1 at 1:55 p.m.

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Accenture to Audiocast Investor & Analyst Conference on Tuesday, Oct. 7

3 October 2014

Accenture will host a live audiocast of its Investor & Analyst Conference on Tuesday, Oct. 7 in New York City. The audiocast will feature remarks by Chairman and CEO Pierre Nanterme, Chief Financial Officer David Rowland and other members of the executive leadership team, and will include a review of Accenture's fiscal 2014 performance and fiscal 2015 business outlook, which were discussed on the company's recent fourth-quarter fiscal year 2014 earnings conference call.

The conference will begin at approximately 8:30 a.m. EDT and will run until approximately 12 noon EDT. Accenture invites investors to listen to the live audiocast and to view slides from the event via the Investor Relations section of the Accenture website at www.accenture.com. A replay of the audiocast and slides will be available on the company's website later in the day.

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Anark and Strategic Enterprise Customers to Speak at AIAG Product Development & Technology Forum

29 September 2014

Anark Corporation today announced they will be presenting at the Automotive Industry Action Group (AIAG) Annual Product Development and Technology Forum along with two of their strategic customers GE and NAVAir.

Craig Humanchuk, GE's Engineering CIO at GE Aviation, John Schmelzle, NAVAir's Model Based Definition Lead at the Naval Air Warfare Center, and Chris Garcia, EVP of MBE Business Development at Anark Corporation will share the stage to present the latest Production successes of their 3D Model Based Enterprise deployment initiatives.

During their presentations the audience will learn about the powerful value propositions and use cases that the 3D MBE enables, unique cultural issues which must be addressed, and why open, template based 3D PDF and 3D HTML Platforms were chosen over proprietary CAD formats and lightweight viewing platforms offered by their respective PLM software vendors.

Registration for this important October 1st, AIAG automotive technology sharing event is limited but may still be available by following this link: [AIAG Product Development and Technology Forum Registration](#)

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AVEVA Announces Customer Speakers and Sponsors for the AVEVA World Summit 2014

2 October 2014

AVEVA announced additional speaker, sponsor and agenda details for this year's AVEVA World Summit. The global event is being held in Berlin, Germany, from 14-16 October. AVEVA customers from across the world's process, plant, power and marine industries are invited to the Summit to share their experiences and business challenges.

Industry giants AMEC and RasGas will open the customer presentations, describing how AVEVA technologies are enabling them to lead the way in the creation and management of complex digital assets. These will be followed by 16 additional case study presentations from leading EPCs, OOs and shipbuilders, including Jacobs, Worley Parsons, Foster Wheeler, Toyo, AREVA, ADMA OPCO, Atkins, Daewoo Shipbuilding & Marine Engineering and Namura. Customer speakers will share real-life scenarios that cover a wide variety of projects and asset operations from around the world.

A key theme of the event is advances in visualisation technology and how these are changing the way we do business. Dr James Bellini, a leading Futurologist and author, will make a keynote speech on this subject and moderate the two-day event. Dr Bellini is a respected broadcaster and commentator on global social, economic and technology trends.

The Summit will also feature presentations from AVEVA's strategic partners, Capgemini, EMC and ETAP, while other event sponsors include Daewoo Shipbuilding & Marine Engineering, DotProduct and Trimble.

'The programme for the 2014 AVEVA World Summit is our strongest yet,' commented Mat Truche-Gordon, Executive Vice-President, Business Strategy and Marketing, AVEVA. 'We have an impressive list of customer speakers eager to share their knowledge and success. The Summit has established itself as a place for decision makers to meet and discuss how technology can support them in meeting the challenges of the industries we serve. At AVEVA we strive to always be the leading innovator and our customers' most trusted partner; the Summit plays a key role in realising this vision.'

For agenda information visit <http://avevaworld.aveva.com/agenda> or click <http://avevaworld.aveva.com/register> to register.

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Delcam's aerospace software and services on show at Airtec

30 September 2014

Delcam will promote its wide range of software and services for the aerospace manufacturing and MRO industries at AIRTEC exhibition to be held in Frankfurt from 28th to 30th October. These services can help aerospace companies whenever they need to increase productivity, to reduce lead times or to improve quality and consistency.

The range of support from Delcam Professional Services is mainly intended to help any company whose own engineering resource is needed to maintain its existing operations. The services provided can vary

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from supplying extra design and programming resources when existing staff are overloaded, through to developing dedicated software to automate existing manufacturing methods or to establishing completely new turn-key processes for the manufacture of novel designs.

Recent developments using Delcam software include the programming, with Delcam's unique adaptive machining technology, of a new hybrid machine from Hamuel Maschinenbau for the remanufacturing of high-value metal components, such as turbine blades, and a novel five-axis machining method, programmed with the company's PowerMILL CAM system, for the creation of "fir-tree" profiles in components for turbo machinery.

The Hamuel hybrid machine combines five technologies in one unit – five-axis CNC milling, laser cladding, robot polishing, inspection and laser marking. Any of these processes can be combined, as required by the particular project. The equipment costs only a fraction of the price of a multi-machine repair cell, as well as saving on floor space.

Using a hybrid machine, it is possible to remove the damaged area of a turbine blade by milling off the worn material and then build the material back up using the cladding technology. A second machining operation, using high-speed five-axis milling, then produces the final shape, with a smooth transition between the original part and the new material. Polishing and laser marking can be undertaken to complete the component, if required. In-cycle part inspection, using Delcam's adaptive machining software, provides feedback to orientate the parts, assess defects, and ensure accuracy throughout the various stages.

The novel method for the creation of "fir-tree" profiles was developed in partnership with Iruba, a German provider of engineered solutions, and machine-tool manufacturer Hermle. It allows these complex shapes to be produced on milling machines, such as the Hermle C60 five-axis machining centre, rather than having to use specialist broaching equipment.

The use of PowerMILL's trochoidal strategies to program the operation gives a number of benefits, in particular high material removal rates with lower, and more consistent, cutting forces.

These latest projects continue a trend that has seen Delcam systems used, at some stage, on virtually every major aircraft programme in recent years. The company's customers have undertaken projects in all the various areas that go towards producing a successful aircraft, from developing more fuel-efficient engines, to manufacturing airframe components more effectively, and even in designing more comfortable and more attractive interiors. They have worked on all scales of project, from the manufacture of components for UAVs and helicopters up to the production of engines and airframes for the largest passenger and transport aircraft.

Delcam also supports a large number of MRO operations. These companies use Delcam systems to enable the fast, efficient repair or replacement of damaged components. By minimising design and manufacturing times, while maintaining the highest levels of quality, repairs can be completed as quickly as possible, so minimising the time-on-ground of the aircraft.

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Nemetschek Vectorworks Brings Experts Together to Discuss The Business of Creativity

1 October 2014

Nemetschek Vectorworks, Inc., invites professionals and students from any design discipline to attend

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The Business of Creativity, an online, interactive panel discussion that will connect the dots between vision and reality. The event will take place on October 9, 2014 at 2:00 p.m. EDT through a Google+ Hangout on Air.

“Great design begins with ideas that run against the grain, shake the status quo and lead to unexpected and inspiring solutions,” said Steve Alden, AIA, architect at Nemetschek Vectorworks. “But it takes a keen awareness of emerging market trends and an ability to steer one’s creative workflows and perspectives in just the right way to improve and transform the world. The Business of Creativity will address these topics and more, sharing what some of today’s award-winning designers and industry professionals think about the future of technology and design, as well as how they stay ahead of the competition.”

Panelists include Todd McCurdy, FASLA vice president, director of landscape architecture + planning at Morris Architects, Inc.; Aurora Meneghello, marketing and social media manager at Novedge; Michael Klaers, lighting designer at The Small Group; Ron Kwaske, principal and architect at Office Ron Kwaske, Architect and Rob Glisson, AIA, principal and architect at Rojo Architecture.

“The hangout will be a forum to stimulate ideas that should, in turn, lead to best practices that we can then implement, so I am excited to have the opportunity to be an active participant in such a dialogue,” said Kwaske. “By contributing as a panelist, I can open up that dialogue with my colleagues during the event, and hopefully with members of the audience during the Q&A session, so we can all learn and advance our understanding and use of technology in our firms.”

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Omnify Software to Hold Global User Community Conference October 21-23, 2014

30 September 2014

[Omnify Software](#) today announces that it is holding its [2014 Global Customer Conference](#) October 21-23, 2014 at the Wiley Conference Center in Beverly, MA.

The Omnify Software Empower '14 Conference brings together manufacturing customers, technical staff, and technology and business partners throughout North America and Europe. The conference has been described by attendees as one of the best conferences they attend and a great event bringing together global customers and VARs with inspiring presentations and enlightening guest speakers describing how Omnify Empower PLM is enhancing their business.

Focused on customer application presentations, professional development and networking, the 2014 Conference will include an array of inspiring speakers from companies such as: [AgaMatrix](#), [Avidyne](#), [Compliance Dynamics](#) / [Nemko](#), [DRS Technologies](#), [Gooch & Housego](#), [MRV Communications](#), [Penny Goss Technical Solutions](#), [REMEC Broadband Wireless](#), [Research Electro-Optics, Inc.](#), and [Seahorse Bioscience](#). Presenters cover a wide range of industries including Avionics, Defense, Medical Device, Optical Technologies, and Telecommunications.

"In addition to standard product training sessions and networking events to support our customers, a primary benefit of this conference is the direct customer interaction we gain which helps to drive our product development and innovation," stated Chuck Cimalore, CTO for Omnify Software. "We have a great user community and when they come together at this event it is always amazing to see the deep level of collaboration and enthusiasm to share their ideas and experiences."

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The Software That's Helping Take the Weight off NASA's Orion Crew Vehicle

2 October 2014

At the 2014 Composites and Advanced Materials Expo (CAMX) (previously SAMPE), October 13-16 at the Orange County Convention Center in Orlando, Fla., Collier Research Corporation will demonstrate a key software program used to lightweight the heat shield of NASA's Orion Multi-purpose Crew Vehicle—HyperSizer®.

NASA's Orion team utilized information gathered from HyperSizer analyses to inform discussions that led to a 23 percent reduction of the final weight of the baseline design, which means hundreds of pounds of unnecessary weight were eliminated. The un-crewed test flight of the vehicle, Exploration Flight Test-1, is currently slated for December 2014. The final HyperSizer-designed heat shield will be used on later, manned flights.

For those interested in learning more about this project at CAMX, James Ainsworth, aerospace stress engineer at Collier Research, will present a paper during the Thursday morning session that will give an in-depth look at the design and analysis process, as well as the analytical methods used to perform trade studies of the Orion heat shield carrier structure.

HyperSizer, the first-ever software commercialized out of NASA, provides stress analysis and sizing optimization for reducing the weight of aircraft, wind turbine blades and other structures in addition to space vehicles—whether designed with composite or metallic materials. A typical HyperSizer analysis produces weight savings of between 25 and 40 percent.

“We've developed a software program for flight certification in the zero-tolerance environment of NASA,” says Craig Collier, president and founder of Collier Research Corporation. “We've continued to increase HyperSizer's speed and robustness, while reducing necessary user input and creating a more flexible and open platform. This makes it ideal for small teams of engineers that need to guarantee the repeatability of results before production, and ensures they can do so in a short amount of time.”

Collier Research has added a U.S. distributor to their multinational network—Jim Jeans, president of Structural Design & Analysis, Inc. In addition to Collier technical experts, Jeans will be available at Collier Research's HyperSizer booth (Booth 3072) to answer questions and provide information.

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Financial News

Autodesk Reiterates Third Quarter and Full Year Fiscal 2015 Business Outlook

1 October 2014

[Autodesk, Inc.](#) reiterated its business outlook for its third quarter and full year fiscal 2015. The design and engineering software leader will also share plans for expanding its market opportunity and transitioning to a more recurring business model at its annual Investor Day, held in the [Autodesk Gallery](#) in San Francisco.

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“We continue to be optimistic about our near-term opportunities and long term growth prospects,” said [Carl Bass](#), Autodesk president and CEO. “More and more designers, engineers and creative artists are recognizing the value of Autodesk and subscribing to our maintenance, desktop, and cloud offerings. At our Investor Day event today we will discuss the reasons for our confidence in our transition to a subscription-based business model and how it supports the re-affirmation of our long-term strategy.”

At today’s Investor Day event, Bass will be joined by other members of the [Autodesk leadership team](#) to discuss the demands and opportunities of the current market, business model transition, financial metrics, and the company’s corporate strategy.

Today Autodesk also announced the appointment of R. Scott Herren as senior vice president and chief financial officer, effective November 1, 2014 (see today’s related announcement).

Business Outlook

Autodesk reiterates its third quarter and full year fiscal 2015 business outlook. Autodesk's business outlook for the third quarter and full year fiscal 2015 assumes, among other things, the current economic environment and foreign exchange currency rate environment. A reconciliation between the GAAP and non-GAAP estimates for fiscal 2015 is provided below.

Q3 FY15 Guidance Metrics Q3 FY15 (ending October 31, 2014)

Revenue (in millions)	\$590 - \$605
EPS GAAP	(\$0.05) - \$0.01
EPS Non-GAAP (1)	\$0.17 - \$0.23

(1) Non-GAAP earnings per diluted share exclude \$0.15 related to stock-based compensation expense and \$0.07 for the amortization of acquisition related intangibles, net of tax.

FY15 Guidance Metrics FY15 (ending January 31, 2015)

Billings growth	10 - 12%
Revenue growth	7 - 9%
GAAP operating margin	4 - 5%
Non-GAAP operating margin	15 - 16%
Net subscription additions	200,000 - 250,000

The third quarter and full year fiscal 2015 outlook assume a projected annual effective tax rate of 29 percent and 26 percent for GAAP and non-GAAP results, respectively. These rates do not include one-time GAAP discrete items or the federal R&D tax credit that expired on December 31, 2013.

Reconciliation for Guidance:

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The following is a reconciliation of anticipated fiscal 2015 GAAP and non-GAAP operating margins:

	Fiscal 2015			
GAAP operating margin	4	%	5	%
Stock-based compensation expense	7	%	7	%
Amortization of purchased intangibles	4	%	4	%
Restructuring charges	—	%	—	%
Non-GAAP operating margin	15	%	16	%

Investor Meeting Webcast

Please visit www.autodesk.com/investors to view a live webcast of the meeting with Autodesk management beginning today at 8:30 a.m. PT. The live audio broadcast with slides can be accessed at <http://www.autodesk.com/investors>. A webcast replay and podcast replay of the event will be available beginning later today on our website at <http://www.autodesk.com/investors>. This replay will be maintained on the Autodesk website for at least 12 months.

For more information and the full press release please visit Autodesk.com.

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Cadence Announces Third Quarter 2014 Financial Results Webcast

3 October 2014

WHO: Cadence Design Systems, Inc. to announce third quarter 2014 financial results via webcast.

WHAT: You are invited to attend the third quarter 2014 financial results audio webcast. Participating on the webcast will be Lip-Bu Tan, president and chief executive officer, and Geoff Ribar, senior vice president and chief financial officer.

WHEN: The webcast will begin Monday, Oct. 20, 2014 at 2:00 p.m. PT/5:00 p.m. ET. An archive of the webcast will be available from 5:00 p.m. PT, on Oct. 20 until 5:00 p.m. PT, on Dec. 19.

WHERE: The webcast will be available online at: www.cadence.com/cadence/investor_relations

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Infosys to Announce Second Quarter Results on October 10, 2014

30 September 2014

Infosys Limited will announce results for its second quarter ending September 30, 2014 on Friday, October 10, 2014, Indian Standard Time (IST) (on the night of Thursday, October 9, 2014, US Eastern Time (ET)). The results will also be available on <http://www.infosys.com>.

Following the release, Infosys CEO and Managing Director, Dr. Vishal Sikka; COO, Mr. Pravin Rao; CFO, Mr. Rajiv Bansal and Executive Vice President and Head - Human Resources, Mr. Srikantan

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Moorthy, will be part of a common television interaction at 10:00 a.m. IST. The participating executives will address questions from the media during this interaction which will be streamed live on the Investor Relations section of the Infosys website

This will be followed by a detailed discussion on CNBC from Bangalore at 10:30 a.m. IST on October 10, 2014 (this will not be telecast in the US). An archive of this event will be uploaded on <http://www.infosys.com> after 2:00 p.m. IST on October 10, 2014 (after 4:30 a.m. US ET on October 10, 2014).

To view an unabridged version of this press release, visit: <http://www.infosys.com/newsroom/press-releases/Documents/2014/Q2-october10-2014.pdf>

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PTC to Host FY'15 Investor Day in New York City on Thursday, November 13th, 2014

1 October 2014

PTC announced that management will host its FY'15 Investor Day on Thursday, November 13th, 2014 from 8:00am to 3:00pm (ET). This event will be held at the NASDAQ MarketSite at 4 Times Square (Corner of 43rd & Broadway). To register, please contact Kristen Whoriskey at 781-370-5689 or kwhoriskey@ptc.com.

What: PTC FY'15 Investor Day

When: Thursday, November 13th, 2014 from 8:00am to 3:00pm (ET)

Webcast: www.ptc.com/for/investors.htm

Replay: The audio replay of this event will be archived for public replay at www.ptc.com/for/investors.htm

The presentations will include management's discussion of PTC's business and outlook, which may include material projections and other forward looking statements regarding PTC's anticipated financial results and growth, as well as the development of PTC's products and markets and other future events. Please note that statements made in the presentation are as of the date of the presentation and PTC does not assume any obligation to update any statements made or the archived presentation. In addition, any forward-looking statements about PTC's anticipated financial results and growth, as well as about the development of products and markets, are based on current plans and assumptions. Actual results in future periods may differ materially from current expectations due to a number of risks and uncertainties, including those described from time to time in reports filed by PTC with the U.S. Securities and Exchange Commission, including PTC's most recent reports on Form 10-Q and Form 10-K.

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Rand Worldwide Reports Fiscal Year 2014 Results

29 September 2014

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Rand Worldwide, Inc., a global provider of technology solutions to organizations with engineering design and information technology requirements, announces its financial results for its year ended June 30, 2014.

For its fiscal year ended June 30, 2014, Rand Worldwide, Inc. reported total revenues of \$91.6 million, as compared with \$82.5 million for its prior fiscal year. The Company's overall gross margin was 49.4%, a slight decrease from the 50.5% reported for fiscal 2013, resulting in income from continuing operations of \$9.1 million, or \$0.16 per fully diluted share. For the year ended June 30, 2013, Rand Worldwide reported income from continuing operations of \$2.5 million, or \$0.04 per fully diluted share. Included in the full year results is a \$4.5 million non-recurring reduction of income tax expense resulting from the recognition of a portion of the value of the Company's Canadian net operating loss carryforwards that are available to offset future income taxes. In accordance with generally accepted accounting principles, the Company reduced a valuation allowance on its books in its fourth quarter to reflect the future value of certain loss carryforwards due to the continued profitability of its Canadian operations.

Lawrence Rychlak, president and chief financial officer, commented, "This past fiscal year was a very successful one for us in many respects. We saw growth in all revenue categories and particularly our product sales which increased over 14% from the prior year. These strong revenues coupled with continued management of the operations resulted in a healthy bottom line which positions us well for the future."

"I am very pleased with the operating results for this fiscal year and with the overall health of all of our business lines," said Marc Dulude, chief executive officer. "Rand Worldwide is well equipped and prepared to take on the next set of challenges and opportunities that come before us."

For more information and the full press release please visit Rand.com.

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Implementation Investments

AIG Selects Life & Annuity Software from Accenture to Reduce Costs and Prepare for Future Business Growth

30 September 2014

Accenture has been selected by American International Group, Inc. (AIG), a leading international insurance organization serving customers in more than 130 countries, to transform its software platform. AIG will implement the Accenture Life Insurance Platform (ALIP) across its U.S. life insurance business to create and modify products faster in order to attract and retain customers. ALIP will also help AIG achieve operational efficiencies by simplifying and automating processes.

"We wanted technology that will support our business growth now and in the future," said Scott Reed, Senior Vice President and Chief Information Officer, Life Insurance, AIG. "We will leverage ALIP to increase our agility and introduce new products to the market more quickly. The platform's ease of configurability will help support product innovation and facilitate the ability to extend into new markets. With better data access and integration, we will also be able to improve our customer service."

AIG's life insurance division will use ALIP for new product development and selected closed blocks -

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policies that AIG no longer underwrites or markets. Accenture's continued investment in ALIP includes policy administration functionality that provides access to consolidated policy, product and customer information, helping to improve operational efficiencies and customer service. Faster product deployment will also be supported by ALIP's configurable approach, which enables customers to build and modify products and business processes through an easy-to-use interface for the creation of new business rules using pre-defined conditions and actions.

"AIG is a leader in the insurance industry," said Shay Alon, global managing director, Life & Annuity software at Accenture. "We are excited that they have chosen ALIP as their new software platform. By working together, we will help AIG achieve operational excellence through a modern and flexible platform that supports long-term growth. AIG will also benefit from our continuous investments in the software to include new innovative solutions, which are designed to support insurers' digital agenda."

AIG will also use the ALIP underwriting component, a rules-based, highly configurable system that can streamline the underwriting process to help drive growth and profitability, expand into new market segments and reduce costs. In addition, AIG will be able to accelerate new feature and product introduction by leveraging the Accenture Actuarial Calculation Engine. This engine will help enable AIG to quickly and easily construct standard mathematical, financial and actuarial calculations that are required to support life and annuity products, improving flexibility in product development and testing.

"This agreement with AIG demonstrates that ALIP serves the needs of companies of all sizes, from the largest global insurers with millions of policy holders to smaller carriers that serve niche markets," said John M. Cusano, global managing director for Accenture's Insurance practice. "We look forward to helping AIG support its growth by further enhancing its capacity to quickly adapt product offerings to changing customer and regulatory needs."

ALIP, used by leading insurers worldwide, is a robust, configurable and scalable solution that offers life insurance and annuity carriers of all sizes solutions for product development, new business, underwriting, policy administration and payout. It is available as an integrated suite of software with modules that can be implemented individually or as part of a broader migration strategy.

About AIG

American International Group, Inc. (AIG) is a leading international insurance organization serving customers in more than 130 countries. AIG companies serve commercial, institutional, and individual customers through one of the most extensive worldwide property-casualty networks of any insurer. In addition, AIG companies are leading providers of life insurance and retirement services in the United States. AIG common stock is listed on the New York Stock Exchange and the Tokyo Stock Exchange.

Additional information about AIG can be found at www.aig.com | YouTube: www.youtube.com/aig | Twitter: @aiginsurance | LinkedIn: <http://www.linkedin.com/company/aig> |

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CDS Catalog Faceted Search, SEO and CAD Solutions Selected by Buckeye Fasteners

25 September 2014

[CDS \(Catalog Data Solutions\)](#) announced that its Catalog as a Service™ and CAD as a Service™ solutions has been selected by Buckeye Fasteners.

Buckeye Fasteners takes pride in stocking an impressive inventory of fasteners from at least eight leading fastener manufacturers. In addition to weld fasteners, they also distribute adjusting screws, nuts,

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press nuts, stand-offs, cap, acorn, thumb nuts, rivet nuts, grease fittings, clevis pins, appliance levelers and furniture glides. Buckeye has complete custom manufacturing capabilities and supports their products from development to implementation. Their on staff engineering department can assist you with product development and provide total technical support. “Today, the industrial buying process has changed. Most of us search online for what we need and industrial designers do the same – often before talking to a potential supplier. The first impression potential customers get of our company is often our website, so it needs to give them an excellent and intuitive experience,” Larry Kelly, Business Development Manager, Buckeye Fasteners. “We’ve successfully used CDS’s CAD as a Service solution for many years to give our customers downloadable 3D CAD models of our products. By adding the integrated CDS Catalog as a Service solution our products and CAD models will more easily get found online via SEO. We look forward to the new solution going live later this year.”

“We’re absolutely delighted that Buckeye have chosen our Catalog as a Service solution too” said John Major, CEO CDS. “As industrial product selection and buying continues to change and evolve, sales and marketing organizations need to continually come up with ways to get in front of the selection and buying cycle. Buckeye Fasteners has done just that!”

CDS helps grow sales and strengthen customer loyalty for its clients through interactive online product catalogs, ecommerce, 3D CAD & BIM model delivery and product configurator solutions.

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City of Auckland, New Zealand Selects HP to Drive Groundbreaking Future Cities Initiative

30 September 2014

HP today announced that the city of Auckland, New Zealand has selected HP Software to deliver a visionary [Big Data](#) project designed to provide a safer community and more efficient roadways for its citizens.

Auckland Transport, Auckland’s government agency responsible for all of its transportation infrastructure and services, will deploy video analytics powered by [HP IDOL](#) on servers and storage from HP Enterprise Group, and with support from HP Software Professional Services.

“The safety and well-being of our citizens is always our top priority and the Future Cities initiative is a big step in the right direction,” said Roger Jones, CIO Auckland Transport. “Only HP could comprehensively deliver the custom solution, expertise and ecosystem at this scale to transform our vision into reality.”

Auckland Transport ([@AklTransport](#)) will use HP’s integrated big data platform, [HAVEn](#), to analyze, understand and act on vast quantities of data of virtually any type including text, images, audio and real-time video. The system will leverage data from a variety of sources, including thousands of security and traffic management cameras, a vast network of road and environmental sensors as well as real-time social media and news feeds.

In the first phase of the project, Auckland Transport will focus on improving public safety. Law enforcement will use [HP Intelligent Scene Analysis System](#) and license plate recognition for accurate identification and scene analysis for dangerous activities and analyzing safety threats from over 2,000 cameras deployed within Auckland. Going forward this information will be linked with rich insight from

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social media news sources to provide a comprehensive solution that can proactively identify breaking trends and respond to critical safety incidents for cyclists and transport users.

HP Enterprise Group will supply the hardware infrastructure for Auckland Transport, a combination of powerful servers and storage systems. HP Proliant Gen8 BladeSystem, [HP 3PAR StoreServ Storage](#), [HP StoreAll Archive](#) and [HP FlexFabric](#) will give Auckland Transport the most advanced hardware, providing superior capabilities for the safe city initiative.

HP Software Professional Services will also be instrumental in the process, lending support and expertise to ensure a swift and smooth implementation.

HP partner VidSys ([@VidSys](#)), a global leader in physical security information management systems, will provide a platform that unifies the control and monitoring functions of physical security, building and traffic management, and computer aided dispatch systems.

Auckland Transport's investment in big data technologies from HP is part of a larger trend around the emergence of "Smart Cities." Enlightened city planners are looking at how to leverage big data, sensor data, and data from people and their devices to create improved products and services for citizens. According to market research firm IHS, investment in Smart City projects and technologies will rise from [\\$1 Billion in 2013 to \\$12 Billion](#) in 2025.

"We are proud to work with such an innovative and forward-thinking government agency like Auckland Transport," said Colin Mahony, SVP & General Manager, Big Data Group, HP Software. "This comprehensive HP HAVEn big data solution will enhance the life of their citizens and will become a model of transport systems for cities around the globe."

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FourthWing Cuts Time to Market by 50% with PTC Creo

30 September 2014

[PTC](#) today announced that FourthWing selected PTC Creo® software to dramatically condense development time. Using PTC Creo, FourthWing was able to quickly and easily incorporate new designs along with thousands of legacy parts into new aircraft designs in time for the 2014 growing season.

FourthWing designs and manufactures sensor payloads and fully integrated small unmanned aircraft systems for agriculture, infrastructure monitoring, and public use markets. Their systems are distinguished by the quality of the data they produce, their ease of operation, and their affordability. With electrical engineering, software, mechanical CAD and design divisions, the company needed a CAD solution that would allow for easy communication, sharing and modification.

"We have always turned to PTC for our CAD solutions," said Todd Colten, Lead Aerospace Engineer, FourthWing. "Now with the improved productivity elements incorporated into PTC Creo, I can do tasks such as cross-sectioning in 1/4 the time – including the critical component of sharing it for review."

"As a result, ultimately we were able to deliver our new precision agriculture aircraft system in four months, half the time usually needed, which was critical to meeting demand for the 2014 growing season," continued Colten.

FourthWing embodies the rapidly growing model-centric manufacturing trend. Companies need to be able to easily convert CAD files into a 3D printed part. PTC Creo models are easily leveraged in both

Computer Numerical Control and 3D printing technologies.

“With PTC Creo, we made a commitment to giving our customers the flexibility and control they need to develop higher quality, better designed products,” said Brian Thompson, VP of Product Management, CAD Segment, PTC. “We are thrilled that FourthWing is capitalizing on that flexibility to not only communicate with internal divisions, but to fully engage with the new path that manufacturing is taking.”

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Prodrive Deploys Altair's Computational Fluid Dynamics Solution to Streamline Powertrain Development

30 September 2014

[Altair](#) announced today that British motorsport and engineering group [Prodrive](#) has deployed AcuSolve® for its Computational Fluid Dynamics (CFD) simulation. AcuSolve is a leading general-purpose CFD flow solver with superior robustness, speed and accuracy. Users can quickly obtain quality solutions without iterating on solution procedures. AcuSolve is seamlessly coupled with the structural solvers of HyperWorks®, a comprehensive suite of computer-aided engineering (CAE) tools which enable businesses to create superior, market-leading products efficiently and cost effectively.

Prodrive wanted to analyze and improve the fluid flow within the water jacket of Aston Martin Racing engines and were aiming to achieve reliable results in a short period of time. The challenge was to solve several iterations of a model with complex geometry within a compressed timeframe by relatively inexperienced users. The team selected AcuSolve to generate a process and methodology that allowed for ease of use and repeatability.

The process ensured that every step ran smoothly and both pre-processing and post-processing were accomplished in a short period of time. Automation made the analysis of new geometry user-friendly and easily accomplished. AcuSolve's proven accuracy meant that Prodrive could save considerable time and the cost of expensive laboratory testing, while gaining an understanding of its designs not previously possible without CFD tools.

"Having used Altair's HyperWorks for several years, I was aware of how powerful it is as well as easy to use," Prodrive's senior CAE engineer Jonathan Culwick commented. "However, when we decided to bring CFD capability in-house, I was concerned about the challenge of switching from outsourcing. AcuSolve's robustness and Altair's customer support made the process quick and painless, enabling us to make the leap and achieve a level of analysis that really enhanced our problem solving and decision-making abilities."

Altair's unique unit-based licensing system plays an important role in maximizing all of Prodrive's processing power, as it empowers CAE engineers to fully utilize the entire HyperWorks software suite as necessary, without having to deal with increased licensing costs. This flexibility was very important to Prodrive, as it enables the engineers to better manage their computational resources and workload. It is the company's goal to fully leverage additional capabilities within Altair's HyperWorks in the future.

"We are pleased to see Prodrive choose AcuSolve to carry out this innovative project," said Hakan Ekman, Altair Managing Director, Northern Europe. "It is encouraging to see engineers deploy Altair's CFD solution within their design process, proving that AcuSolve can be used by analysts with all levels

of expertise to quickly obtain quality solutions in shorter timescales."

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Tupras Deploys AVEVA Integrated Engineering and Design Solutions across National Refineries

29 September 2014

Today AVEVA announced that Tupras, Turkey's largest Owner Operator in the oil & gas industry, is investing extensively in AVEVA software technology following an intensive evaluation process. AVEVA Everything3D (AVEVA E3D), together with AVEVA Diagrams, AVEVA Electrical and AVEVA's laser scanning solutions will play a key role in a major brownfield revamp programme.

Tupras' ambitious project aims to maximise production, increase safety and extend the life of its four refineries. The AVEVA laser data software will be used to capture the existing assets and new, as-built design documents will be created with AVEVA E3D and a range of schematic products. The Integrated Engineering & Design approach will help Tupras to meet revamp/modification project schedules while dramatically improving quality.

'We chose AVEVA for a number of reasons,' explained M. Murat Kalkanli, Projects and Investments Director, Tupras. 'The proof of concept demonstrations gave us confidence that the technology lived up to its reputation as the industry standard. It was also important to find a tightly integrated engineering and design solution that was open enough to work with our existing software and that of our engineering contractors. Additionally, AVEVA's engineering and design software is widely used across the oil and gas sector, making collaboration between in-house teams and partners seamless, even across global teams. Finally, their local sales, scanning partners and technical team provided great service, working closely with us on-site, to ensure that our requirements can be fully met.'

'Tupras are being very forward thinking with this project and we are proud to be a part of it,' Dave Wheeldon, CTO and Head of Engineering and Design Systems, AVEVA. 'They are creating an accurate digital asset that directly reflects their physical asset. This will be invaluable for their revamp activities, but also for years to come as part of operations and maintenance. This Digital Asset vision is hugely compelling for our customers and is helping EPCs and Owner Operators around the world better manage their projects and improve operational reliability.'

All AVEVA's solutions are developed on the principle that for every physical asset there must be a corresponding digital asset. By focusing on digital asset integrity AVEVA ensures its customers' have the right information, at the right time so they can master change in an ever shifting information environment.

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Product News

Arena Unveils Unique PLM Collaboration Platform and New Data Extraction Tool

30 September 2014

CIMdata PLM Industry Summary

Arena Solutions today announced its Fall 2014 release, which includes two new modules – [Arena Scribe](#) and [Arena DataExtract](#) – and significant enhancements to [Arena Quality](#). The newly available products are focused specifically on speeding time to market. They enable real-time communication and the aggregation of a complete history of tribal knowledge throughout the supply chain tied to the product record. They also provide a fast, efficient tool for extracting process data from Arena PLM to analytic tools.

In today's fast paced, hyper-competitive marketplace, product companies and their ever growing network of suppliers depend on effortless, transparent communication to resolve issues and ensure they are completely in sync with one another. Confusion creates unacceptable delays, scrap and rework which can result in surrendering "first mover" advantage for innovative OEMs.

[Arena Scribe](#) gives customers an easy-to-use collaboration platform that provides a real-time commenting page available on any Arena Item, Change, Request, Supplier, Supplier Item, File, Project or Quality process. Unlike many standalone solutions, Arena Scribe enables comment and collaboration in the context of each individual process or record in Arena PLM. The design and manufacturing team can collaborate with any number of suppliers to solve problems quickly and directly within the product record, where all conversations are captured, eliminating the need to search through an endless string of disparate email threads to unearth information from a previous exchange.

Users can choose to follow comment streams that interest them and receive dashboard and email alerts to stay up-to-date on incoming information. Suppliers with access to the underlying object can participate and add comments, but may view only the comments made public by employees. Every individual in the enterprise and their design/supply chain can use Arena Scribe to improve the product, with a single, interactive forum within the product record to offer innovative ideas and solutions. Users can make conversations 'public' or 'private' and, not unlike social media, provide the ability to 'follow' or 'unfollow' all the while maintaining entire control of the process.

[Arena DataExtract](#) enables customers to extract all process data to a standard, flat file format, which can be analyzed using a variety of analytic tools, from relatively simple spreadsheet applications to highly sophisticated business intelligence and analytics platforms. With this data, customers can identify trends, solve problems and find efficiencies that had previously remained hidden. The possibilities include:

- Product health
- Product development
- Root cause analyses
- Trends in cycle time
- Project task status
- Trends in engineering change orders

Finally, the Arena Fall 2014 release includes significant enhancements to [Arena Quality](#), a module released earlier this year that brings visibility, cross-functional team collaboration, and long-term tracking of quality resolutions to the enterprise's core. Arena Quality is now even easier to use. Quality processes can be chained together as issues are discovered which lead to escalation to give all stakeholders the complete picture. New capabilities include the automated setting of status based on step completion, the ability to connect items to quality processes straight from the item header, and process status which is kept up to date automatically as steps are completed.

With these additional capabilities, Arena's customers can continue to improve their time-to-market by proactively including quality processes in the development cycle, build a higher quality product through

CIMdata PLM Industry Summary

the creation of a culture of continuous improvement, and reduce costs while boosting margins.

"In today's highly interconnected world, product and manufacturing companies heavily depend on their supply chain, which makes easy, transparent communication with suppliers an absolute must-have to compete in a fast-paced, hyper-competitive marketplace," said Steve Chalgren, vice president of product management and strategy at Arena. "The cloud provides the potential for this kind of global collaboration. At Arena, we've brought this potential to life with Arena Scribe, Arena DataExtract and the robust enhancements to Arena Quality."

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BETA CAE Systems S.A. Announces the Release of ANSA & μETA v15.1.2

29 September 2014

BETA CAE System S.A. announces the release of v15.1.2 of our ANSA & μETA pre- and post-processing suite. With new enhancements and fixes to identified problems, this version further enhances and improves the performance of our latest v15.1x branch.

Amongst the new enhancements and fixes of v15.1.2 the most noticeable are listed below:

Understanding the Software Release Schedule

BETA CAE System is committed in delivering improved and enhanced software releases, the soonest possible, in order to meet the requirement of their customers for the continuous improvement of their experience and work. Therefore, they are working in releasing new software versions with code corrections, new software features and enhancements, in regular, frequent intervals.

- A major software version is released every year.
- First point releases, such as v14.1.0, v14.2.0 and so on, with code corrections but also with additional software features and enhancements are released every three months.
- Second point releases, such as v14.2.1, v14.2.2, v14.2.3 mainly with code corrections only upon their parent first point release, are scheduled on a monthly basis.

Each software release is accompanied by a detailed description of the introduced corrections and/or additions so that our customers can decide whether it is critical to implement this release in their environment.

This release

This release of v15.1.2 implements code corrections, to the v15.1.1 release and the latest pre-existing releases of the 15x and 14x branches.

Known issues resolved in ANSA

GUI

Element pick selection with Shadow flag deactivated might not perform properly.

CAD Data translation

Translating files that contained annotations might result in unexpected termination.

Volume Mesh

Layer creation in triple bounds areas might be problematic.

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DECKs

Saving the list of nodes when having more than 10000 nodes might result in unexpected termination.

Middle nodes might be removed from Sets and Includes when converting, from 2nd to 1st order, shell elements attached to volume mesh.

Numbering Rules of Laminate Properties could not be outputted.

Abaqus: Parts connected to Fasteners might be deleted when applying Cut Model.

Enhancements and known issues resolved in μ ETA

Enhancements in μ ETA

Supported Interfaces

Fluent: ANSA Parts are now listed in the Part Manager.

PERMAS: NPSTS data elements are now supported.

StarCCM: The GlobalArray keyword is now supported.

Toolbars

CFDPost: CFX files are now supported for post-processing.

CompositePost: It is now possible to define the S13, S23, f12, f13, f23 material limits through the Setup Materials card.

Occupant Injury Criteria: Q10 and Q6 child dummies are now supported.

Occupant Injury Criteria: Radioss files are now supported for post-processing.

Known issues resolved in μ ETA

General

The feature lines of 2nd order solid elements were not drawn correctly.

Supported Interfaces

Abaqus: Certain .inp files could not be loaded.

Abaqus: Results on axisymmetric elements were not correct.

ANSYS: In certain cases deformation results might not be correct.

ANSYS: Force vectors might not be drawn in the correct direction.

Ensign: Ensign models were not clipped smoothly by cut planes.

JT: Unexpected termination could occur while reading .jt files.

LS-DYNA: Parts hierarchy could not be read from erroneous d3plot.xml files.

Nastran: Unexpected termination when scanning Nastran .pch files that included more than 200 element Type33 entries.

PERMAS: the structure of PERMAS includes was not read correctly.

Advanced Filter

The filtering on node groups would not be correct.

The filtering of volumes of elements would wrongfully return shell elements also.

NVH Calculators

Unexpected termination could occur when loading a file with only model stress results (no nodal

deformations) in the Model Response tool.

Report

Unexpected termination in case of creating a new Report Composer window with an existing name.

Adding date textboxes on slides could result in saving a corrupted pptx file.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document. http://www.beta-cae.gr/news/20140926_announcement_ansa_meta_v15.1.2.htm

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CST Introduces New Filter Synthesis Tool

25 September 2014

Computer Simulation Technology (CST) announces the addition of Filter Designer 2D to CST STUDIO SUITE®, allowing the synthesis, electromagnetic simulation, optimization and multiphysics analysis of filters in one single environment.

Planar filters are widely used by engineers developing low-cost or compact printed electronics for applications such as networking, communication and signal processing. For these filters, the design process typically has two stages. The first step is selecting an appropriate filter topology from a synthesis tool or textbook and calculating the filter coefficients that match the specification. The second step is analyzing and fine-tuning the filter through simulation or prototyping to ensure that it operates correctly when installed.

Built on Nuhertz Technologies' well-reputed and mature technology, Filter Designer 2D's integration into CST STUDIO SUITE means the full workflow can now be carried out with a single tool.

Filter Designer 2D includes a database with a wide variety of filter types, including both lumped element and distributed element implementations. Users input the specifications of the filter – including both the frequency response and any physical limitations, such as the maximum size of the filter and the properties of the substrate – and Filter Designer 2D will automatically suggest a design. With a single button click, fully parametric models of this design can be created for either circuit simulation or full-wave 3D simulation.

“Nuhertz has long been a market leader for filter synthesis tools, and we're proud that our technology has been incorporated into CST STUDIO SUITE,” said Jeff Kahler, President, Nuhertz Technologies. “Through this partnership, we intend to make our technology available to an even wider market of filter designers and engineers.”

With System Assembly and Modeling (SAM), CST's design automation framework, these models can be simulated and optimized to tune their performance and take into account the unforeseen coupling between elements. SAM can also be used to integrate these filter models into larger systems, and also allows the integration of electromagnetic, thermal and structural simulation for a multiphysics analysis of filter detuning.

“Filter Designer 2D is a major advance in our planar filter design offering,” commented Dr Bernhard Wagner, Managing Director, CST. “By automating the filter design process wherever possible, we want to free engineers to focus on the bigger picture.”

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Delcam launches new Delcam for SolidWorks integrated CAM

2 October 2014

Delcam has launched the 2015 version of its Delcam for SolidWorks integrated CAM system. The new release includes a range of enhancements in three-axis milling, drilling, turning and wire EDM to make the software even more valuable to SolidWorks users that need to manufacture their designs.

Programming of three-axis toolpaths for complex parts has been made easier and more reliable in Delcam for SolidWorks 2015 with the addition of automatic collision checking of the tool shank and holder, as well as the cutter, for both roughing and finishing operations. If a gouge is detected the toolpath can be recalculated with any segments that will cause a gouge clipped away.

Removing these segments of the toolpath leaves an area of unmachined stock that will need to be removed with a longer tool. This extra toolpath is able to be calculated using a stock model of material remaining after the shorter tool has been used to ensure there is no re-machining of stock that has already been removed.

As part of this development, an additional function, called ‘maximum machine stock’, has been added that removes direct moves where clipping has occurred. These direct moves can leave witness marks on the part so their removal should improve surface finish.

Another improvement in three-axis machining with Delcam for SolidWorks 2015 allows stock models to be used in conjunction with other geometry, such as the part surface dimensions, solid models, the stock dimensions and boundary curves. This addition gives better control over the area to be machined by each toolpath and so gives more efficient machining by allowing the user to confine toolpaths to specific regions and to eliminate air-cutting by referencing the stock model.

Three-axis flowline and isoline machining is now more flexible, with users able to choose to move the tool in an in-to-out direction or an out-to-in direction.

Drilling with Delcam for SolidWorks has been made easier in the new release with the introduction of a new hole type, ‘Thread Mill Hole’, which eliminates the need to create holes, pockets or sides, and thread features as separate items. It can be used either with holes created with the ‘Hole’ feature or those that have been identified with ‘Feature Recognition’.

Another improvement to drilling is the new ‘Find Feature’ command that gives the ability to combine similar holes into groups on indexed parts. With previous releases, users had to have a separate feature for each hole but, in Delcam for SolidWorks 2015, holes that are similar can be recognised and then grouped together. This makes them much easier to manage and edit.

A series of improvements have been introduced to make turning with Delcam for SolidWorks more efficient. The software is now able to produce toolpaths that rapid up and over previously machined diameters, rather than feeding along them. This reduces the overall cycle time and avoids dragging of the tool.

For users of wire EDM, Delcam for SolidWorks 2015 provides an expanded wire-cut database to support multiple machines having varying formats and methods of operation, with the ability to specify

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nozzle type and fluid type as well as material type and thickness, wire type and diameter, and EDM machine. This gives more flexibility by providing the option to store and apply a greater variety of different parameters.

Wire EDM assemblies with multiple setups are now able to be output in a single program separated by Program Stops, with NC code required for a safe Program Stop formatted in a special section of the post processor. This increases programming flexibility greatly for Wire EDM users, allowing them to manage their parts on the machine more safely.

A key benefit of Delcam for SolidWorks has always been the availability of a wide range of post-processors, together with the ability for users to customise their posts. In the 2015 version, post variables are able to be assigned user-defined names. This allows users to see quickly exactly which post variables are configured for use with a particular post-processor and to understand their intended use. This change is particularly valuable when programmers need to understand customisations in posts that have been made by other users.

Delcam for SolidWorks combines the benefits associated with Delcam's PowerMILL and FeatureCAM CAM systems. It is based on Delcam's proven machining algorithms that are already used by more than 45,000 customers around the world. The software offers PowerMILL's exceptional speed of toolpath calculation, plus the advanced strategies for high-speed and five-axis machining, to ensure increased productivity, maximum tool life and immaculate surface finish, even when cutting the hardest, most challenging materials. At the same time, Delcam for SolidWorks has the same strong focus on ease of use as FeatureCAM, including all of the knowledge-based automation that makes that system so consistent and reliable.

Delcam for SolidWorks is fully integrated into the SolidWorks environment so that the program looks and behaves like SolidWorks. It offers full associativity so that any changes in the CAD model are reflected automatically in the toolpaths. However, this associativity is more intelligent than that offered in many other integrated CAM systems. Delcam for SolidWorks doesn't simply modify the existing toolpaths but also reviews the choice of cutting tools and machining strategies, and changes them if necessary.

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GoEngineer's PLM Bridge Simplifies Agile PLM Integrations

1 October 2014

GoEngineer announced the availability of PLM Bridge, an enterprise integration platform that makes connecting Agile PLM to multiple, disparate systems easy and intuitive. GoEngineer is a leading reseller of Agile PLM, SOLIDWORKS 3D CAD software, Stratasys 3D Printers, and other design and manufacturing tools.

“With PLM Bridge, customers can leverage simple drag and drop configuration without having to rely on programming skills,” says Scott Reedy, Director of Agile PLM Sales at GoEngineer. “Our platform allows integration to one or more target systems including ERP, CRM, data warehouses and other downstream systems.”

PLM Bridge goes beyond point-to-point integration; it's an entire framework to support and manage communication. Potential problems are more quickly solved, since customers manage PLM Bridge from within their Agile dashboard, a user interface they already know and understand. The platform also

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allows bidirectional passing of data from all Agile PLM modules.

“We wanted to build a solution that would be easy for customers to learn and administer—our goal was to put the control back into our customers’ hands,” says Director of Technical Services at GoEngineer, Keith Rust. “When issues do occur, they are simple to diagnose and resolve. No more hunting and pecking for information. It’s all right there at the administrator’s fingertips.”

Roka Bioscience leveraged GoEngineer’s PLM Bridge platform for its bidirectional integration between Agile PLM and JD Edwards EnterpriseOne. “Based on their proven performance and expertise, GoEngineer was the logical choice to design and complete Roka Bioscience’s Agile/JD Edwards EnterpriseOne integration,” says Mike LeDee, Director of Quality Systems for Roka Biosciences.

In addition to architecting the integration and managing the implementation and testing process, GoEngineer worked closely with the Roka Bioscience team to ensure the knowledge transfer enabled ownership of future administration after they went into production.

About GoEngineer

GoEngineer delivers software, technology and expertise that enable companies to unlock innovation and deliver better products faster. With more than 25 years experience and thousands of customers in high-tech, medical, machine design, energy and other industries, GoEngineer provides best-in-class design solutions from SOLIDWORKS, Stratasys, Objet, CAMWorks, Altium and Agile PLM.

www.goengineer.com

Roka Bioscience Roka Bioscience is a molecular diagnostics company focused on developing and commercializing advanced testing solutions for the food safety testing market. Atlas Detection Assays incorporate advanced molecular technologies and are performed on the “sample-in, result-out” Atlas System that automates all aspects of molecular diagnostic testing on a single, integrated platform. The Atlas System and Detection Assays are designed to provide customers with accurate and rapid test results with reduced labor costs and improved laboratory efficiencies. www.rokabio.com

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IMAGINiT Technologies Enhances Scan to BIM™ Software

1 October 2014

[Rand Worldwide](#) announced that its [IMAGINiT Technologies](#) division released an updated version of its Scan to BIM software, [Scan to BIM 2015.1](#). This latest release features automated piping tools specifically designed to save mechanical, electrical and plumbing (MEP) engineers and scanning professionals time when identifying, placing and connecting pipes from a point cloud to a model created with Autodesk Revit software.

“The new Auto-Pipe Finder functionality in this point release dramatically reduces the amount of time it takes MEP engineers and scanning professionals to identify and connect pipes,” says Tim Johnson, senior vice president, IMAGINiT Technologies. “Traditionally this process saw Revit users having to identify and connect pipes individually, often repeating these tasks hundreds or thousands of times during a project. Scan to BIM 2015.1 has automated this entire process, dramatically shortening the

amount of time it takes to create a model from point cloud data.”

Auto-Pipe Finder Productivity Enhancements

Auto-Pipe Finder offers wizard-like functionality that leads the user through a step-by-step process that scans a point cloud, creates pipe runs, identifies potential errors, and, through pipe adjustment tools, offers the ability to quickly correct them – all without leaving the Revit environment.

Key Features:

- Color codes pipes based on how close they are to ideal
- Turns scanned pipes into Revit pipe elements
- Ability to edit pipes for variables like insulation and connect individual pipes

To view Scan to BIM’s Auto-Pipe Finder tool in action, watch this [series of short instructional videos](#).

See Scan to BIM 2015.1 in Action

Anyone wishing to see Scan to BIM 2015.1 in action is welcome to join the upcoming webcast *Overview of Scan to BIM 2015.1* on October 29 at 10:00 AM or 2:00 PM Eastern. Registration is online at www.imaginit.com/events.

Availability & Pricing

Scan to BIM 2015.1 is available either as a perpetual license or rental. Perpetual licenses include software maintenance, basic support and all software release upgrades. Rental licenses are available in 90-day or one-year increments and cover the current software release as well as basic support. Upon expiration of a rental license, users can renew the rental or convert to a perpetual license. For more information contact IMAGINiT Technologies at 1-800-356-9050 or visit imaginit.com/scantobim.

Reseller Opportunities

Scan to BIM is available in North America through [IMAGINiT Technologies](#), in Australia and New Zealand through [Redstack](#), [NCS](#) in Qatar and in Norway through [NTI](#). As global demand continues to grow for this popular Revit application IMAGINiT is actively expanding its global distribution network. Interested resellers should contact partners@rand.com to learn more about the reselling opportunities of the Scan to BIM software.

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IMSI/Design Releases DesignCAD 3D Max v24

2 October 2014

IMSI/Design announced New DesignCAD® 3D Max v24.

DesignCAD 3D Max, named for the second year in a row by TopTenReviews.com as one of the top 2 consumer-based CAD products, offers budget-minded professionals and hobbyist a versatile 2D/3D precision design solution.

"DesignCAD continues to be a price/performance leader in CAD," stated Bob Mayer, COO of IMSI/Design. "We've put in additional GPU-accelerated functionality for version 24, this time with a focus on 3D viewing, shading and rendering."

New DesignCAD 3D Max v24 now includes:

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- **New GPU-Accelerated Drawing Performance** - New RedSDK mode allows users to zoom, pan, and rotate designs in wireframe, shaded, and hidden-line up to 30 times faster!
- **New Match Properties Tool** - Lets you select some entities, then pick another object whose properties you want to apply to the selected ones.
- **New "Solid Surface" Entity Type** - More versatile than grids and memory-efficient than a bunch of planes, the Solid Surface also tends to triangulate complex planar faces.
- **New DWG/DXF Export Option** - There is now an option to export Solid Surface entities as 3DFace objects to DWG and DXF files.
- **New Solid to Surface and Surface to Solid Commands** - Convert selected solids to surfaces or vice versa with one simple click. These commands can also be run via the Command Line.
- **BasicCAD Enhancements** - New system functions and drawing commands.

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Infinite Skills' "Mastering Autodesk Inventor - Administration and Data Exchange" Teaches Tools and Features for Collaboration in a Company Environment

3 October 2014

Software training firm Infinite Skills Inc. this week released its "Mastering Autodesk Inventor - Administration and Data Exchange," an advanced course designed for experienced Inventor users, particularly those working in a company environment, teaching the program's features for producing model libraries and templates in order to track data and allow for importing and exporting of models and drawings.

Autodesk Inventor is a 3D CAD software used to create, visualize, and simulate mechanical products.

Infinite Skills "Mastering Autodesk Inventor - Administration and Data Exchange Tutorial" focuses on the program's tools for data management that allows users to create libraries and templates for standardized models and drawings that can be imported and exported for modification and use within individual projects.

An Inventor user since 1999, course author Adam Cooper is a career mechanical engineer designing primarily plastic installations in the automotive industry. He is also an accomplished trainer and a regular speaker at Autodesk University. He is an Autodesk Certified Instructor in Inventor along with several other Autodesk programs.

Cooper begins by explaining how to work with document settings and project files, and integrate that data with the content center.

He then covers how to create templates and add company features such as styles and standards, custom borders, title blocks, and more.

The course then covers the importing process, explaining file translation, editing, how to repair imports, and how to export to other formats. The course closes with a look at how to protect intellectual property when working in a collaborative environment.

"This course is an in-depth look at working with Inventor's features for collaboration within a company environment," explains Cooper.

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"By the end of the course, you should have a very good understanding of how to create standardized models and drawings that can be imported and used in multiple projects."

Free demo videos and a full list of course contents can be found on the "Mastering Autodesk Inventor - Administration and Data Exchange" training page of the Infinite Skills website:

<http://www.infiniteskills.com/training/mastering-autodesk-inventor-administration-and-data-exchange.html>

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Infosys Launches Solution to Automate and Simplify Bank Transaction Reconciliation Process

2 October 2014

[Infosys](#), a global leader in consulting, technology and outsourcing solutions, announced the launch of the Infosys Transaction Reconciliation Solution (ITRS). ITRS is a unified solution that helps banks automate and centralize their reconciliation across multiple channels, reduces costs by offering simple, easy-to-use tool for bank employees to perform reconciliation tasks and functions. With automation and optimization, the solution helps reduce the need for manual interaction and increases performance through auto-matching & straight through processing.

In a dynamically changing regulatory environment, with acts such as Dodd Frank, EMIR and Basel III, the need for a simple solution to meet changing reconciliation and reporting needs is accelerating. With global spend on reconciliation expected to reach \$1.27 billion by 2017¹, banks are increasingly looking for automated solutions. A unified reconciliation solution such as ITRS helps banks efficiently while meeting the regulatory needs.

Solution highlights:

- Easy to operate and supports 14 different types of data-feed formats including Payment & SWIFT messages, FIX – Trade confirmation, Databases, Check Images, Flat files, Mainframe files and XMLs
- Seamlessly reconciles and processes data from multiple channels including ATM, derivative, payment, clearing-settling and other reporting functions
- Capable of processing up to 50 million transactions per hour and reduces 15 to 50 percent of time taken to on-board reconciliation tasks
- Can drive 20 to 80 percent of rules-optimization process, resulting in improved performance. Also helps increase the percentage of matches in transaction data by five to 10 percent, thereby reducing the need for manual intervention

Quote

Mohit Joshi, Executive Vice President and Head of Financial Services, Infosys

“A well-planned reconciliation helps banks reduce risks emanating from disparate systems and processes or manual interventions. Lack of a centralized, automated system could lead to expensive rework of reports and delays in account settlement. ITRS draws on our extensive experience of serving the evolving technology needs of global banks”.

¹ REFERENCE - [Aite Group ‘Reconciliation Technology Solutions in 2014: Recs Get Ready to Rumble’ report](#)

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Knovel Quick Search for Autodesk Revit® Brings the Power of the Knovel Platform Closer to Engineers' Workflow

29 September 2014

[Elsevier](#) today introduced Knovel Quick Search for Autodesk Revit®. The Knovel application provides users of Autodesk's building information management (BIM) system, with seamless access to [Knovel](#) from within the Revit platform. Knovel is a cloud-based application that integrates technical information with analytical and search tools.

The new Knovel offering integrates with Revit, providing quick access to Knovel for building construction management engineers, architects, civil and electrical engineers, operations teams and other Revit users. It allows users to complete a basic search from within Revit, review the search results and also access the Knovel platform when a result is selected.

Knovel Quick Search for Autodesk Revit helps engineers and other users find reference information on construction design, materials selection, design guidelines and best practices and apply them to structural design, manufacturing and operations processes. This information can be used to design, build, and maintain higher-quality, more energy-efficient buildings. For example, engineers involved in sustainable building design using Knovel Quick Search for Autodesk Revit would have access to relevant LEED certification, building codes, smart building references, specifications and materials information. Knovel Quick Search for Autodesk Revit allows professionals to find answers to technical questions, easily document sources for traceability and collaboration with contractors, clients and operators who may be involved with the project over the lifespan of the structure.

"Our work with Autodesk brings Knovel content closer to our users' industry standard workflow tools for innovation and decision support," said Achuth Rao, Vice President, Product Strategy and New Product Development at Knovel. "Knovel Quick Search for Autodesk Revit puts relevant reference information, material properties, design guidelines and best practices right at the fingertips of engineers when & where they need it."

Knovel Quick Search for Autodesk Revit further demonstrates the Knovel platform's ability to integrate into existing enterprise systems, building on Knovel's software development kit integration with Microsoft SharePoint, announced in May 2014.

Knovel Quick Search for Autodesk Revit is designed for Knovel subscribers that use Revit. The application is available online via Autodesk Exchange at: <http://ow.ly/BMRRW>

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Lattice Technology Announces New Version of Lattice3D Studio for Creating Advanced Technical Communications from 3D CAD Models

1 October 2014

Lattice Technology, Inc., announced Lattice3D Studio version 13. This latest release of the company's authoring tool contains features that improve productivity and increase functionality for companies that create 2D and interactive 3D technical documentation for internal use, external stakeholders and

customers.

Lattice Technology delivers technical communication solutions that may be used across the product lifecycle. These solutions build on top of an organization's 3D design data, allowing companies to leverage 3D CAD model data (including PMI/GD&T) and business data (such as price, material, and supplier information from ERP, MES or other systems). Ideal for assembly process planning, work instructions, technical illustrations, electronic spare part catalogs and service portals, the innovative technology is used by manufacturing and engineering companies as the backbone for sharing and using 3D model data across the extended enterprise.

Lattice3D models are ultra-lightweight (usually one half of one percent of the native CAD model) and accurate. Because of their small size, these 3D models can be consumed on virtually any Windows® computer as well as many Windows and Apple® tablets for free, using applications from Lattice Technology.

“We continue to add features and functionality that provide our customers with better tools and more efficient ways to leverage their 3D design data,” explained Bill Barnes, General Manager, Lattice Technology, Inc. “Lattice3D Studio version 13 provides even more time-saving and robust capabilities such as direct publishing to Microsoft Excel and 3D PDF. Additionally, we continue to grow our mobile computing capabilities by adding support for Windows 8.1 and SurfacePro.”

Work Instructions

Using Lattice3D Studio, complex operations are captured in easy-to-understand, step-by-step work instructions that are linked to parts and animations. A work instruction may contain hundreds of steps that also include animations and related parts.

With this release, the authoring process is simplified and new features such as cross-section animations are included. These enhancements to the software allow companies to easily produce robust technical communications faster and easier (in 2D and interactive 3D), providing capabilities that improve training, shop floor assembly instructions, and field service instructions.

Manufacturing Bill of Materials (mBOM) Variations

Lattice Technology offers easy-to-use, yet powerful methods for creating mBOMs – where a master Engineering BOM may have multiple mBOM views for different purposes.

With Lattice3D Studio version 13, the mBOM includes support for design variations. A single mBOM that includes all of the variable parts can easily be used to create assembly processes for all models and variants. The variations can easily be viewed side-by-side to aid in understanding.

Sharing and Review

Lattice3D Studio enables comprehensive, broad-based design reviews by allowing any stakeholder to engage in the review using free consumption alternatives such as Windows applications, Microsoft Excel®, 3D PDF, interactive web pages and apps for the iPad® and other iOS devices. These tools provide accurate geometry along with related annotations and product manufacturing information (PMI).

Lattice3D Studio version 13 adds enhanced collision detection and interference analysis—features that increase quality and improve productivity.

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CIMdata PLM Industry Summary

MSC Software Announces MSC Apex, the World's First Computational Parts Based CAE System

30 September 2014

[MSC Software Corporation](#), today announced the release of the company's next-generation complete Computer-Aided Engineering (CAE) platform, [MSC Apex™](#). [MSC Apex](#) is the world's first computational parts™ based CAE system that will serve as the platform for a broad range of physics and applications that MSC Software will introduce over time. MSC Apex transforms the way engineers perform simulation by reducing critical CAE modeling and process time from days to hours. The platform delivers innovative technology that enables predictive product development in the earlier stages of design where it is critical in saving time and money.

"The patterns that were developed 30+ years ago for simulation have simply not evolved to keep pace with the tremendous challenges that industry faces today," said Dominic Gallelo, President & CEO of MSC Software. "We rethought the process, and have found many opportunities to deliver dramatic productivity improvements to engineers and analysts. Our team rearranged the way in which the components of geometry modeling, solving, and post processing relate to each other, moving away from a serial process to an interactively connected process based on a new parts and assembly paradigm."

"MSC Apex addresses key pain points of its big analysis customers and, with the same broad stroke, opens the door for MSC Software to meet the broader needs of smaller firms, who have not been part of MSC's core customer base. The concept of computational parts makes it feasible for firms to push exploratory analysis into the hands of those without deep expertise in analysis. This has the potential to dramatically reshape engineering workflows. MSC Apex could be transformational for MSC," said Brad Holtz, President and CEO, Cyon Research.

Highlights of the MSC Apex platform include:

- MSC Apex™ is a built-from-the-ground up fully integrated and generative simulation environment
 - With a paradigm shift away from traditional pre-solve-post point solutions, users can leverage the same user experience to carry out end-to-end simulation workflows with full associativity between geometric and analysis data, including fully generative behavior to ensure that all aspects of the model are consistent and up-to-date following design changes.
- MSC Apex™ is powered by a CAE specific direct modeling and meshing engine that accelerates the CAD to Mesh process by a factor of up to 50x
 - CAD geometry is not suitable for analysis and geometry repair/improve and meshing operations are tedious, error prone, and take too long. MSC Apex™ features a complete set of direct modeling tools to make geometry clean-up and idealization steps fast and easy. These features provide dramatic productivity improvements for engineers.

"MSC Apex takes what used to be time consuming and frustrating geometry tasks using traditional programs and turns them instead into efficient and satisfying tasks," said Robert Lind, Director of Engineering at TLG Aerospace. "The ability to create mid-planes on the fly and to quickly simplify geometry for meshing purposes is unmatched. With the dynamic meshing process, the results of changes to geometry and mesh parameters are immediately apparent. This allows the user to achieve a high quality mesh in significantly less time when compared to traditional meshing applications."

"Using MSC Apex, the time required to prepare the model and mesh was reduced from 8 hours to 1

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hour," said Mitsubishi Hitachi Power Systems / RSG@Takasago.

- MSC Apex™ is enabled with integrated solver methods which allow the user to interactively validate parts and sub-subsystem models, yielding up to 10x productivity gains in model preparation
 - The traditional process for validating a Finite Element (FE) model is iterative and time consuming involving repeatedly submitting jobs and interpreting solver cryptic warning/error messages. The generative behavior of MSC Apex™ is fully leveraged to incrementally validate the evolving model and remove the many time consuming iterations inherent in the old pre-solve-post paradigm.
- MSC Apex™ is the world's first Computational Parts™ based CAE system, allowing:
 - Individual users to incrementally run analysis of complex assemblies, enabling rapid trade studies
 - Groups of users to exchange mathematical models in/through the supply chain without compromising Intellectual Property (IP)
- MSC Apex™ is a Parts & Assemblies Model Representation centric solution allowing supply chains to share a unique product structure while independently managing instances of parts, sub-systems, full assemblies, and their corresponding multi-fidelity behavioral representations. This enables each person in the overall product development workflow to finally have the right data.
- MSC Apex™ offers a unique, fun and easy-to-use experience making it possible for non-CAE experts to learn the software in a single day. This new user interface approach allows for a 10x reduction in tools. Built-in video tutorials, workflow instructions and at-mouse guidance make it easy for engineers to quickly learn and become productive at simulation.

"MSC Apex is so easy to use and yet so enjoyable. I complete the same amount of work in a half day rather than 3-4 days," said Kaban Makina.

- MSC Apex™ is complementary to Patran and MSC Nastran
 - With robust support for industry standard .bdf file import and export, MSC Apex™ makes for easy migration of data and smooths the integration of the product into existing tool chains such as those incorporating Patran and MSC Nastran.

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Stratasys and The UPS Store Bring 3D Printing Services to Nearly 100 Franchise Locations Nationwide

25 September 2014

[Stratasys Ltd.](#) announced its [uPrint SE Plus](#) 3D Printer will be used by [The UPS Store®](#) as part of a nationwide expansion of 3D printing services at nearly 100 locations.

The UPS Store was the first nationwide retailer to offer 3D printing services, and it is evolving its services to better meet the needs of entrepreneurs and small business owners. Customers can bring a Computer Aided Design (CAD) file to participating locations and 3D print their product design using Stratasys 3D printing technology, to help refine their ideas, reduce development costs, and reduce

time-to-market.

"More small business owners and entrepreneurs are looking to 3D printing to help bring their innovations to market," said Gilad Gans, President of Stratasys North America. "The UPS Store is at the forefront of a growing number of retailers that see additive manufacturing as a significant value-add for their customers."

Last year, The UPS Store selected the uPrint SE Plus as part of a 3D printing pilot program in six stores in select markets across the country. Over the past year, the six locations saw demand for 3D printing increase among small businesses, startups, inventors, artists and professionals. Globally, 3D printing services offered by retailers and other providers are growing in demand.

The Stratasys uPrint SE Plus professional grade 3D printer uses Fused Deposition Modeling (FDM) Technology to create durable models and functional prototypes, complex engineering parts and one-of-a-kind objects.

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The hyperMILL® 2014 Highlights

30 September 2014

OPEN MIND Technologies AG has a special treat for all users to celebrate its 20th anniversary: a highly comprehensive expansion of the hyperMILL® CAM software. The expansion includes some remarkable highlights that make NC programming even more simple and secure.

hyperMILL® users have access to a broad range of machining strategies, from 2D and 3D strategies and solutions for high-speed cutting and high-performance cutting right through to 5axis machining and mill-turning. Special applications for impellers, blisks, turbine blades, tube machining and tires machining round out the product range.

The 2014 version of the CAM software, which was already extensive, is now even more advanced. It includes many unique functions.

More information for machine operators

The *hyperMILL®* ShopViewer delivers all information regarding the workpiece and CAM programs to the specialist operating the machine. This makes it possible to view and examine *hyperCAD®-S* data in more detail directly on or next to the machine. "The viewer typically allows the machine operator to view everything but not modify anything," explains Konstantin Gambs, application engineer at OPEN MIND. The information delivered to the viewing workspace includes:

- The 3D model with the option of measuring individual dimensions
- The CAM program
- 3D clamping plans
- Tool data

New tool types – More possibilities

hyperMILL® 2014 has introduced a range of new tool types, including reamers, lens cutters and barrel cutters in different versions, for example, general, tapered and tangential barrel cutters. Another new feature is the use of a measuring sensor for the 3D point measuring cycle.

Automatic 3D rest machining

This new feature allows the automatic detection of rest material areas where additional roughing is necessary. Additional roughing paths are then calculated for these areas. The results in an increase in process security and reduced machining times.

Improved 5axis rework machining

When converting from 3axis tool paths to 5axis tool paths, different tool types, such as barrel and woodruff cutters, can be used. There are also new strategies for adjusting the tool to the machining model. Axial and lateral projections can be selected for this purpose.

Drilling in work planes

This 5axis drilling extension ensures extremely efficient drilling. Users can now define the direction of drilling using workplanes. Relative clearance planes are now used for the different workplanes according to user specifications. Global clearance planes are no longer used. The retraction movements are always calculated in such a way that a safe move in the Z-direction is possible. The new function can be used for all machines.

Simplified turbine blade milling

The user interface for special turbine blade milling functions has been improved and simplified. The geometry selection method that was previously used for impellers and blisks is now also available for turbine blades. In *hyperMILL*[®] 2014, geometries are selected using a specially designed feature.

This feature support opens up new opportunities to automate the CAM process. Improved user guidance in defining the machining strategy in the platform machining cycle allows targeted machining of hub or shroud surfaces through simple switching in the user interface. The central management of all geometry data in one feature means that this data is available at all times without re-selection.

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