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Acquisitions

ANSYS, Inc. Signs Definitive Agreement to Acquire Esterel Technologies S.A.

29 May 2012

ANSYS, Inc. and Esterel Technologies S.A. ("Esterel") a provider of embedded software simulation solutions for mission critical applications, announced today that they signed a definitive agreement whereby ANSYS will acquire Esterel Technologies for a cash purchase price of approximately euro 42 million (or approximately US\$53 million), subject to certain working capital adjustments at close. The agreement also includes retention provisions for key members of management and employees. Headquartered in Elancourt, France, Esterel has about 80 employees and reported revenues of approximately euro 15 million for fiscal year 2011. The transaction, currently anticipated to close in the third calendar quarter of 2012, is subject to customary closing conditions and regulatory approvals.

The Esterel SCADe solution enables software and systems engineers to design, simulate and produce embedded software, the control code built into the electronics in aircraft, rail transportation, automotive, energy systems, medical devices and other industrial products that have central processing units. Modern products are increasingly complex systems of hardware, software and electronics. For example, today's complex aircraft, rail and automotive products often have tens of millions of lines of embedded software code, from flight controls and cockpit displays, to engine controls and driver assistance systems. Esterel is often chosen when the embedded software is critical for safety and compliance reasons. Esterel provides software and systems engineers a solution to accurately model and simulate the behavior of the embedded software code to gain insight earlier in the design process and trace it to its requirements. Esterel solutions also reduce engineering time and cost by automatically generating

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certified and dependable embedded software code from these high fidelity models. Esterel certified code generators are currently compliant with more than 10 certification standards including aerospace, defense, rail transportation, automotive, industrial systems and nuclear plants.

The acquisition of Esterel complements ANSYS® software solutions by extending the ANSYS Simulation Driven Product Development(TM) vision to encompass both hardware and software systems. A combined solution will enable customers to gain greater insight into the behavior of the embedded software as it interacts with the hardware (sometimes called the physical plant) including electrical, mechanical and fluidic sub-systems. The complementary combination is expected to accelerate development and delivery of new and innovative products to the marketplace while lowering design and engineering costs for customers and enhancing product safety. The combination of these two industry leading companies reaffirms ANSYS' commitment to deliver cutting edge, customer-driven solutions.

"We are very excited about the model-based embedded code simulation and production solutions Esterel adds to ANSYS, as well as the quality of its 230 global top-tier customers," said Jim Cashman, president and CEO of ANSYS. "Today's products are getting smarter. They have more electronics and software and this requires a systems engineering approach to product development. The combination of these two great companies will uniquely enable customers to comprehensively simulate complete systems and predict with confidence that their products will thrive in the real world. Further, we believe that the combination will foster innovation by gaining engineering insight across disciplines that have historically been silos."

"Both companies have a strong commitment to their customers and employees while sharing a passion for innovation and cutting edge technology," said Eric Bantegnie, co-founder, CEO and president of Esterel. "The complementary nature of software and hardware simulation provides key technological strengths that enhance our ability to deliver comprehensive, high-fidelity, world-class system simulation technologies that customers demand. We believe Esterel customers will leverage the integration of our embedded software development products into a complete model-based systems engineering solution. This unique combination will reduce costly reliance on physical testing and streamline system engineering processes, while also improving the speed and success of our customers' product development efforts. Together we will meet the stringent requirements of upcoming certification standards, such as ISO 26262 in Automotive or DO-178C in Aerospace."

Integration

The two companies are developing integration plans that leverage and build on the cultural similarities and the best practices from each organization. Due to the absence at this time of US GAAP estimates of the acquisition-related impact of purchase accounting adjustments, including the allocation of the purchase price among goodwill, in-process R&D, other intangibles, deferred revenue and equity-based compensation expenses, ANSYS is currently unable to provide GAAP estimates of future earnings. The company intends to provide updated GAAP and non-GAAP financial guidance after the closing of the transaction.

About Esterel Technologies S.A.

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Esterel Technologies is the worldwide leader of model-based design, verification and code generation tools for critical system and software development. Esterel Technologies is a privately held company with European headquarters in Elancourt, France, U.S. headquarters in Boston, Massachusetts and direct sales offices in Germany, the United Kingdom, Russia and China. Esterel is supported by channel and service partners worldwide. For additional information, visit the Esterel Technologies website at www.esterel-technologies.com

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EMC Acquires IT Performance Management Leader Watch4net

31 May 2012

EMC Corporation today announced that it has acquired Montreal-based Watch4net, a privately-held provider of enterprise and carrier-class performance management software that provides real-time, historical and projected visibility into network, data center and cloud infrastructure performance. The all-cash transaction is not expected to have a material impact to EMC GAAP or non-GAAP EPS for the full 2012 fiscal year.

As customers continue virtualizing data centers on their journey to cloud computing, two fundamental requirements have emerged:

- **Availability management, to determine if components are functioning and available**
- **Performance management, to track any system or component degradation, plot trending and intervene as needed**

Through its [EMC IT Operations Intelligence Suite](#), EMC has delivered one of the industry's premier availability management solutions for physical and virtual storage, networks and compute resources. Complementing this, EMC is now offering Watch4net's rich set of performance management capabilities.

Watch4net has worked closely with EMC over the last seven years to deliver proven, enterprise and carrier-class solutions to meet customers' IT management needs. Already tightly integrated with IT Operations Intelligence Suite today, Watch4net leverages EMC's topology awareness, instrumentation and management console.

EMC continues to expand on one of the industry's most comprehensive IT management portfolios for enterprises and service providers. This portfolio not only includes IT infrastructure management via the IT Operations Intelligence Suite, EMC Unified Infrastructure Manager (UIM) for managing VCE Vblock platforms and Watch4net, but also includes tight alignment with IT Service Level Management via VMware and Security Management and Compliance via RSA. This broad set of capabilities is critical to address customers' diverse management requirements as they continue their journey to cloud computing and look to deliver IT-as-a-Service.

According to a recent Enterprise Management Associates report, the changes brought forth by the dual

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disruptive trends of server virtualization and cloud services "are nothing less than revolutionary to many IT organizations, spawning re-assessments of management tools, technologies, and practices in order to achieve cross-domain alignment to the new service-oriented mandate." The report, Network Management and the Responsible, Virtualized Cloud (February 2011), indicates that most organizations adopting server virtualization and cloud services are seeing direct impacts across multiple management disciplines and management tools as a result.

Michel Foix, Watch4net CEO, and the Watch4net team will report to Jay Mastaj, Senior Vice President and General Manager, EMC Infrastructure Management Group.

About Watch4net

Watch4net is a leading provider of service assurance software. Watch4net's flagship product, APG, is a carrier-class performance management application that provides real-time, historical and projected visibility into the performance of the network, data centers and cloud infrastructures. Corporations rely on Watch4net's APG solution to ensure consistent delivery of business services, detect and troubleshoot problems quickly, and gain full visibility on the infrastructure performance and health. Watch4net was established in 2000 and is headquartered in Montreal.

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CIMdata News

EADS PHENIX Programme: Institutionalising PLM as a Strategic Asset: CIMdata Commentary

29 May 2012

EADS is a global leader in aerospace, defence and related services. The Group includes Airbus, a leading global manufacturer of innovative commercial and military aircraft; Astrium, a European leader in space programmes and the third largest space provider worldwide; Cassidian, a global leader in state-of-the-art solutions for armed forces and civil security worldwide; and Eurocopter, offering a large range of civil and military helicopters. EADS employs around 133000 people at more than 170 sites worldwide and generated revenues of €49,1 billion in 2011.



Figure 1—EADS Products Overview

Introduction and Background

Given the historic levels of investment in PLM by companies in many industries, it should be well known by now that a PLM programme, just like any other major business-related initiative, must be executed and supported by a well-defined and repeatable methodology—a robust methodology that engages all levels of the organisation from the CEO down to the end users—and ensures the institutionalisation of the processes, standards, and enabling technologies being implemented. Unfortunately, the need for a strong methodology is often lost on many organisations, but not EADS when it came to its PHENIX (PLM Harmonisation for ENhanced Integration and eXcellence) programme. Launched in 2007, the goal of the PHENIX programme was to harmonise the group's PLM tools, processes, and associated standards.

The programme has taken an innovative approach to handle the complexity of dealing with multiple distributed divisions in a highly competitive global business climate. The programme's participants have performed an important effort in defining and executing EADS' PLM programme from a strategic and visionary level all the way down to a practical day-to-day execution level. This should continue to bode well for the organisation as it continues to institutionalise the proper use of the PHENIX programme's PLM-enabling and often-innovative solutions.

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From the very early stages, the PHENIX programme was built to be a comprehensive and efficient cross-divisional organisation. Managed by Mr Jean-Yves Mondon, the PHENIX programme has, in its short history, already delivered on many of the programme's original goals and objectives. In this role, Mr Mondon reports to EADS' CTO, Mr Jean Botti, a member of the EADS Executive Committee. The programme was sponsored by the EADS CEO, Mr Louis Gallois. Mr Mondon and the EADS PHENIX Team have put in place a sustainable organisational structure and methodology that provides the framework and guidelines for the PHENIX programme. To date, the PHENIX programme has successfully implemented key processes and technology changes and has already achieved several of EADS' strategic business objectives focused on federating the needs of their various divisions. The objective was to create a new PLM paradigm appropriate for all future and on-going civil, military, and space group product development programmes. The organisation has not been static—it has been allowed to evolve since its inception into a permanent networked structure called the PLM Harmonisation Centre (PHC), which superseded the PHENIX Programme. The timeline is reflected in following figure.

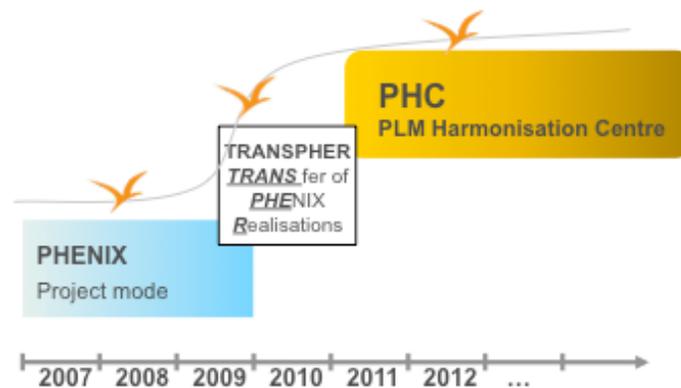


Figure 2—From PHENIX Programme to PHC Organisation

Since CIMdata's formation some twenty-nine years ago, our work with industrial clients has repeatedly shown that it is impossible to maximise the benefits received from PLM business process enabling technologies without tightly linking the strategic business objectives of the organisation with all aspects of a solution's technical definition, implementation strategy, and continuous improvement process. The PHENIX programme is accomplishing this by first understanding and communicating why the organisation should strive for a harmonised PLM environment across their various industrial sectors. Some motivations for a harmonised PLM environment include:

- Better protection against industrial issues.
- Driving and leveraging the PLM solution providers.
- Sharing common services.
- Enhancing collaboration between divisions and business sectors.
- Enhancing extended enterprise collaboration.
- Defining and using standards and common terminology and practices that enhance information and best practice sharing.

The second important step that the PHENIX team took was to define the expected benefits, namely:

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- Cost and lead-time reduction.
- Management of increased business, process and product complexity.
- Enablement and consistent use of a common toolset that results in lower acquisition, deployment, and support costs.

The following figure illustrates the key steps taken in the earlier stages of the formation and launch of the PHENIX Programme.

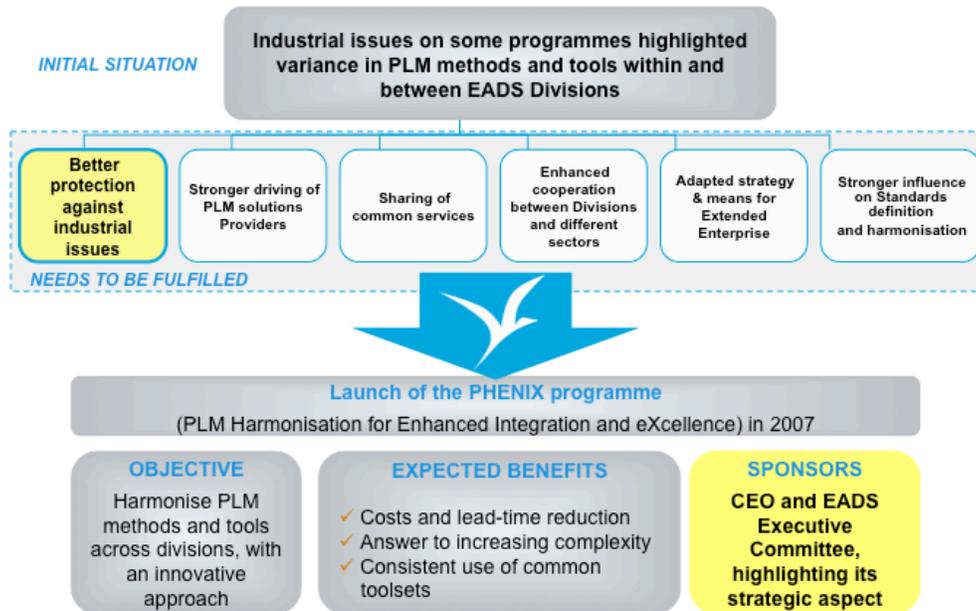


Figure 3—Root Causes and Objectives of PHENIX

During the execution of a major and complex PLM programme like EADS', it is important to put into place a best-practice framework that seeks to measure and improve the three main dimensions impacted by PLM:

- **Business:** This dimension represents the business objectives related to PLM as well as required changes and improvements in the organisation and its structure.
- **Technology:** This dimension represents the objectives related to the PLM-enabling technology.
- **People:** This dimension represents all the individuals who are involved in the programme and distinguishes between the PLM programme team and the PLM user community.

There are many interdependencies among these dimensions as illustrated in the figure below, e.g., the PLM-enabling technologies will need to support the improved business processes and associated standards, and the people will need to understand these improved processes, and know how to use the technology in support of them.

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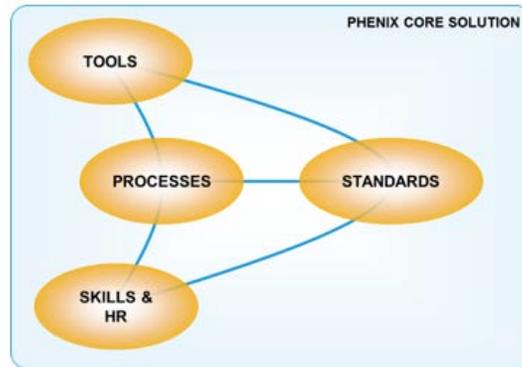


Figure 4—PHENIX Core Solution

For PLM programmes like PHENIX, which are tightly linked to a business' strategic objectives, it is extremely important to continuously measure the quality and progress of the implementation programme to be able to make timely and appropriate adjustments. Ultimately, a good PLM programme focuses on ensuring that improved business processes and business control are achieved through the implementation of the PLM-enabling technologies. The PHENIX programme team has consistently been able to make such timely adjustments.

CIMdata's Assessment

As is CIMdata practice, PLM programmes of EADS' magnitude should be assessed on multiple programme management practice activities. When considering the PHENIX programme, CIMdata has reviewed and provided comments on the following main programme management practice activities:

- **Governance:** The structure, process, and procedure to control operations and changes to performance objectives.
- **Alignment:** The programmes' link to and support of the organisation's higher-level business vision, goals, and objectives.
- **Assurance:** Verification and validation of the programme, ensuring adherence to standards and alignment with the business' vision.
- **Management Team:** The team that is responsible and accountable for the management of projects, stakeholders, and partners that are part of the overall programme.
- **Improvement Process:** The continuous assessment of performance; research and development of new capabilities; and systematic application of learning and knowledge to the programme.

Please note that other programme management practice areas, including integration, finances, infrastructure, and planning were not included within the scope of this review. Given the results achieved to date, it would be relatively safe to assume that the PHENIX programme performs reasonably well in those areas. What follows is CIMdata's assessment and comments related to the five key programme management areas outlined above.

Programme Governance



(2007 – 2010)

Overall, the PHENIX programme structure appears to be robust and highly functional. The top-down and bottom-up cross-divisional approach has resulted in the desired harmonisation and the identification and implementation of key PLM process- and technology-related innovations. Unlike many organisations, EADS spent the time and effort to define and staff a central organisation, called “PLM committee,” to oversee the programme.

This PLM committee included representatives from each EADS division. The objective of this management body was to formulate a top-down strategy and to validate the different harmonisation deliverables coming from the individual projects and task forces. Reporting to the PLM Committee, the PHENIX Global Integration Centre (PGIC) was composed of a core team coordinating the different task forces in charge of cross-divisional projects.

The PLM Committee, as illustrated below, also includes four activities that span the entire organization:

- **ELISA** (Enhanced Leading-edge Integrated Software Architecture): The IT/IS PLM test and validation reference platform for EADS in the PHENIX Framework.
- **PACT** (PHENIX Advanced Cross-Divisional Training): A training, E-learning, and change management programme.
- **PLM Standards:** An EADS coordination group for PLM standardisation.
- **Extended Enterprise:** An exchange platform for a new extended enterprise paradigm called PHUSION (PHenix Unified System for Interoperation Of the industrial Network).

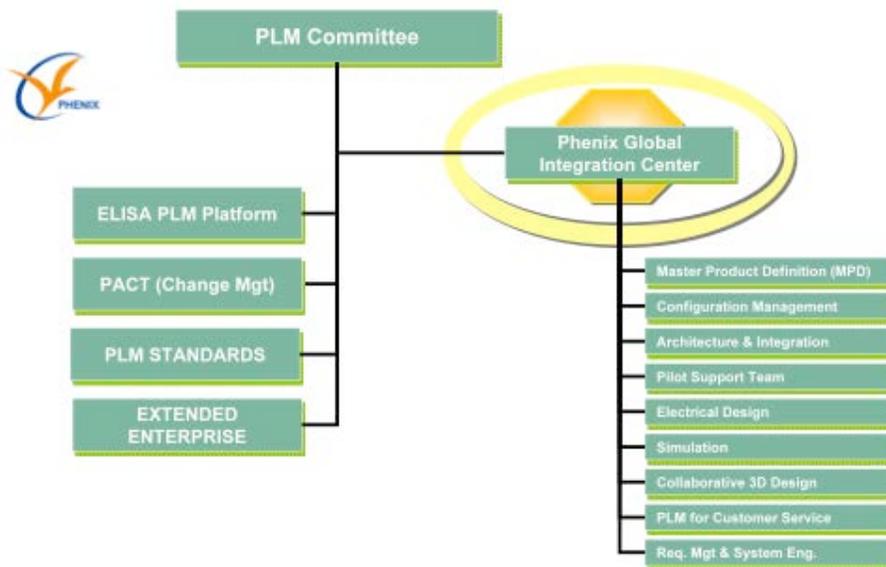


Figure 5—PHENIX Programme Organisation

CIMPA, the Airbus subsidiary for PLM, with an EADS Group mission in PHENIX, played a major role in these task forces. CIMPA acted, and was perceived, as a PLM-neutral internal EADS workforce to support the programme. In particular, CIMPA managed the ELISA platform dedicated to testing, benchmarking, and validating the EADS reference solutions and all types of PLM items.

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CIMdata is impressed with the organisational flexibility and creativity that is displayed by the overall approach taken by the PHENIX Team and the participating organisations. The results have been impressive.

To date, the PHENIX programme governance structure has already achieved a number of milestones, including generating more than eleven different policies and handbooks, four thousand pages of processes and other reference documents, eight hundred trained users, the identification and participation of three hundred motivated PLM experts from around the group who executed over seven functional and industrial pilots (e.g., TIGER helicopter), implemented six data and process backbones, and negotiated and executed five common PLM solution contracts. These achievements would not have been possible if it wasn't for strong a leadership team supported by the highest levels of EADS management and participation from key subject matter experts.



Figure 6—Some PHENIX Results



In 2011, on the basis of positive results and the subsequent creation of a PLM Network, the EADS Executive Committee decided to transform PHENIX into a permanent organisation at the group level called the PLM Harmonisation Centre (PHC). This PHC organisation is driven by a multidisciplinary board composed of high-level representatives from each EADS division, in particular from the business (e.g., senior engineering managers) and IT managers. This permanent structure has the mission to deploy, maintain, enhance, and reinforce the EADS PLM harmonisation among all EADS divisions—not an easy task given EADS' size and complexity. The PHC is in charge of analysing each division's PLM needs and their evolution, defining common solutions that align with the overall programme, sustain and reinforce team integration, and finally develop and maintain key enablers, such as the PLM expert community. The PHC, shown in the figure below, is a streamlined and nimble organisation that is supported by the following three pillars:

- **PHC Evolution Committee (EVCOM):** Steers the PHC and is responsible for the overall achievement of the programme's strategic goals and objectives.
- **PHC Operational Committee (OPCOM):** Is responsible for guiding the different group harmonisation projects (GHPs) and consolidation of issues and operational needs (e.g.,

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progress and results, risks, and opportunities). They focus on studying cross-divisional topics that are candidates for harmonisation.

- **ENABLERS:** Individuals and teams that provide recommendations and integration ideas to the OPCOM.

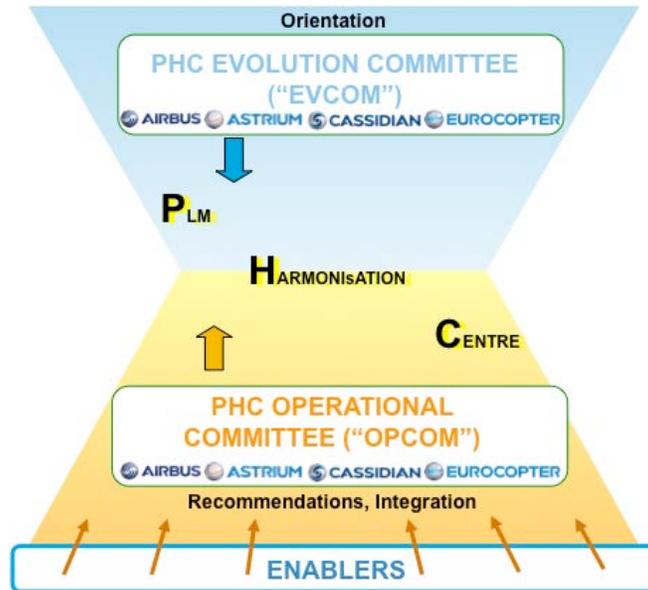


Figure 7—PHC Organization

Each of these committees has members from EADS’ four divisions—Airbus, Astrium, Cassidian, and Eurocopter. Key to the PHC’s success is the recognition that rapid PLM evolution requires continuous cross-divisional collaboration. PHC participating organisations understand this and collectively have done a good job encouraging and facilitating such an open and collaborative environment.

Another important aspect of programme governance pertains to software provider governance. To support this need, the PHC established a mechanism for the software provider community to work with EADS divisional representatives and EADS procurement to best support the needs and requirements of the entire organisation. The PHC is primarily responsible for communicating consolidated needs and requirements to the providers. The software providers are primarily responsible for communicating their roadmaps and delivering customised solutions to the divisions when needed, and extending their commercial off-the-shelf (COTS) solutions as appropriate to better address EADS’ consolidated requirements. The divisions are primarily responsible for communicating their common requirements and needs to the PHC, and their specific divisional requirements to the appropriate software provider (e.g., PTC, Dassault Systèmes, IBM, IGE-XAO, and others). This mechanism has provided EADS with a significant amount of influence on their software partners, and has resulted in savings and streamlining associated software- and services-related procurement activities and related costs.



As an example, the partnership with PTC has allowed EADS to be an essential influencer of PTC’s strategy and their COTS evolution. This approach has led to PHENIXCHANGE, which is an EADS-oriented solution

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from PTC that will be, in part, implemented into the core PTC COTS solution (i.e., standard Windchill). In this context CIMPA teams play a major role as a cross-divisional group supporting the PHC in its PLM mission (i.e., qualification of the PHENIXCHANGE backbone).

Another example is the close relationship that EADS maintains with Dassault Systèmes through the PHC, enabling both EADS and Dassault Systèmes to accelerate the adoption of CATIA and their other products. In addition, the PHC is working with Dassault Systèmes to ensure that EADS-specific requirements are taken into account in Dassault Systèmes' solution roadmap. EADS believes that the PHC has enhanced its influence on this software provider and others.

Programme Alignment

The PHENIX programme's ability to gain alignment at the cross-EADS divisional level has been no easy task. The programme had to consider different business models, different product development requirements (e.g., military, commercial, and space), and different divisional overlapping of PLM-related initiatives and an extensive set of existing solutions. Any one of these complexities could have easily derailed the programme, but they didn't. Throughout the execution of the programme, the PHENIX team realised the following four key truths:

- Harmonisation was the goal, not commonisation (i.e., finding the right balance between 100% commonisation and full differentiation).
- The EADS group entity as well as its divisions had to be willing to invest in the concept and strategy of group-level integration. This meant a willingness to provide resources and accept decisions made by those resources that would change systems, processes, and standards to build and implement a common PLM platform.
- The divisions needed flexibility to implement division-specific requirements on top of the core, and to use those requirements to build them into the core only when appropriate for all of the divisions.
- It was critical to promote and execute the programme and any divisional PLM-related projects in a transparent manner. This meant that all stakeholders had to know what was happening, who was talking to which PLM solution providers, and which requirements were actually critical (as opposed to just being the way things had been done in the past).

If it wasn't for these four truths, it would have been almost impossible to achieve the level of cost avoidance, organisational agility, silo breaking, and flexibility the group now enjoys.

Programme Assurance

The verification and validation of the programme's deliverables, and ensuring adherence to standards and alignment with the vision, are on-going efforts. To support this critical programme management activity, the PHC relies on an extensive network of PLM experts from throughout the organisation and a formal benchmarking process. The PHENIX programme's Expert Community has played a major role in the institutionalisation of PLM in EADS. The community encourages and fosters cooperation among experts, the exchange of best practices, training, gathering of needs and requirements, and the validation

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of proposed solutions. Currently, there are more than seven task forces focusing on various PLM-related topics, such as 3D design, awareness, and training. This is an excellent structure and one that most companies fail to support.

As mentioned above, benchmarks also play a major role in supporting programme assurance. These benchmarks are fundamental to the PHC and are used to evaluate and select new PLM solutions, and to more clearly define needed enhancements to existing solutions. This is supported by the following five-step process:

1. The PHC, following PHENIX, consolidates and prioritises EADS needs and requirements.
2. The needs and requirements are shared with the appropriate software providers for them to propose a new PLM Harmonisation Solution for benchmarking.
3. A benchmarking activity is organised by the PHC with input from other bodies when and if appropriate.
4. The benchmark is evaluated against the programme's criteria.
5. A selection committee comprised of the PHC Board and other selected participants agree on the next steps with regards to the new solution.

Programme Management Team

The PHENIX programme, and now the PHC, have a strong management team led by Mr Jean-Yves Mondon. Unlike many similar programmes CIMdata has reviewed in the past, EADS' CEO, Mr Louis Gallois, and his fellow members of the Board of Directors, including Mr Jean Botti, the EADS CTO, understand and fully embrace the need for an extended-enterprise PLM initiative. From a very early stage, they invested their time and the organisation's resources to support and implement a robust programme structure. Mr Louis Gallois, EADS' CEO since August 2007, has often spoken publically of how critical the PHENIX programme is for EADS' future. His comments have been backed up by the organisation's willingness to make the right people available to the programme and the appropriate level of funding—all resulting in measurable benefits and innovative solutions and new ways of working. EADS' management should be commended for their sizable and active support.

As the programme and the PLM-enabling solutions being implemented continue to evolve, it will be critical for the programme's various committees and extended supporting members to stay up to date with best practices from within the airspace and defence industry as well as other similar industry sectors. The programme's participation in a PLM-related Think Tank clearly helps this awareness. The PHENIX and now the PHC management team should also look for other mechanisms to stay up to date with the global PLM market and its evolution.

Concluding Comments

There is a lot to admire in EADS' PHENIX programme. The scope was huge, covering a multi-division, multinational corporation, and so was the response from EADS. The PHENIX programme benefited from consistent, high-level executive sponsors who provided sufficient funding to support the appropriate scope of work. Experienced senior management created a well planned and executed technology adoption and organisational change programme. Their plans recognised the need for examining the complex interactions between technology, people, and process as part of their programme

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planning and execution. Another key to their success was access to and cooperation from subject matter experts from across the extended enterprise. The programme also enjoys a close relationship with their key PLM solution providers, Dassault Systèmes and PTC, who are adapting their solution roadmaps to better meet current and future EADS needs. CIMPA, the Airbus subsidiary for PLM, plays an important role, providing in-depth strategic planning and implementation support. In some respects, the PHENIX programme has been a unifying force for EADS, where mostly independent divisions are working together to define their next-generation PLM environment.

An impressive amount of work has already been done. At the core, the programme must continue to evolve from implementation mode to an environment for sustaining and enhancing EADS' PLM environment. The EADS PLM Harmonisation Centre (PHC) and its management body (EVCOM) must be vigilant to keep abreast of market and technology developments. The OPCOM must continue its successful cross-organisational analysis and planning, supported by the ENABLERS described above. There is a role for more education and communication about PLM and the PHENIX programme for new staff, new partners, and new customers. Programme sponsors and other executives should continue their broad-based communication and collaboration efforts around PHENIX. Making the programme and its success more visible creates more opportunities for interacting with likeminded organisations, and brings potential collaborators and new ideas and technologies to the programme for consideration. Keeping PHENIX vital is essential for EADS to continue to achieve maximum leverage from their PLM investments.

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 Three Innovation Centers for SAP® Solutions in Asia-Pacific

29 May 2012

Accenture today announced it is expanding its global network of Innovation Centers for SAP® solutions with the opening of new centers in Beijing, Tokyo, and Singapore. Focused on accelerating the development, delivery and commercialization of business solutions based on SAP technologies, the centers will help clients increase speed to market, enhance flexibility, and improve business performance.

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The Accenture Innovation Centers for SAP solutions bring together Accenture's functional and industry expertise with the latest SAP technologies, including the SAP HANA® platform and mobility and cloud solutions. Supported by teams of professionals from Accenture and SAP, the centers provide clients with process-specific business solutions, thought leadership around existing and emerging SAP solution-based technology, and the industrialization of the resulting solution, content and delivery methods.

“The new Accenture Innovation Centers for SAP solutions will help our clients in the Asia-Pacific region draw as much value as possible from their investments in SAP solutions, accelerating business results, and contributing to their international competitiveness,” said Mark Willford, global managing director of SAP business for Accenture. “These innovation centers bring the best of Accenture's global experience while enabling the localization of those solutions to meet the specific business challenges in the region.”

The centers will focus on developing solutions for a variety of industries and clients can experience and access all Accenture industry solutions at any of the locations. Some initial areas of focus for the new locations include:

- The Accenture Innovation Center for SAP solutions in Beijing is focused on innovating new solutions for the communications, high tech, utilities, and retail industries. Specifically in utilities, the center will explore solutions that can be applied to help address China's growing energy demands.
- The Accenture Innovation Center for SAP solutions in Tokyo is focused on developing innovative solutions for high-tech companies as well as the electric power industry, including exploring smart-meter analysis, which is essential for enabling smart cities.
- The Accenture Innovation Center for SAP solutions in Singapore has a preliminary emphasis on the consumer goods, utilities, oil and gas, and public sector industries. The center also serves as a hub to support clients from neighboring countries including Malaysia, Indonesia and Thailand.

Accenture's network of innovation centers are co-located with and leverage the skills and expertise at locations across the Accenture Global Delivery Network, Accenture Technology Labs and the Accenture Global Talent and Innovation Network. The four new centers join Accenture's global network of innovation centers in support of SAP solutions, based in locations including San Jose, Calif.; Chicago; New York; Toronto; Sophia Antipolis, France; and Bangalore, India.

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Aras Announces Recipients of 2012 Collaborate & Contribute Awards

31 May 2012

Aras® today announced the winners of the 2012 Collaborate & Contribute Awards. Collaborate & Contribute Award winners are voted on by the Aras corporate community and determined by the significance, impact and / or popularity of their contribution during the year. The 2012 Collaborate &

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Contribute Award Winners are:

- **ECCO** for the Firefox Browser Client for Apple Mac
- **Gentex Corporation** for the AML Studio Editor
- **Minerva** for the Alternative Structure Browser for Large Assemblies

The awards were presented at Aras's ACE 2012 International conference. Held in May in Troy Michigan, ACE 2012 drew attendees from 24 countries around the world and highlighted advancements in Aras enterprise PLM platform and corporate community. Previous Collaborate & Contribute award winners include Motorola, Lear Corporation, Freudenberg, Hayes Lemmerz International, FNGP, Broadway Consulting Services, Ogihara and MiTek Corporation.

The ACE 2012 conference theme was "Be Different" which emphasized the power and advantages of the Aras PLM platform and how enterprises use Aras to innovate, differentiate and compete on process superiority.

The ACE 2012 agenda included user presentations from global leaders including Boeing, Insitu, GETRAG Ford Transmissions, Lear Corporation, Carestream Health, Ceradyne, Maxion Wheels, and Amscan. ACE 2012 conference highlights, pictures and slides are available at www.aras.com/ACE2012

"We congratulate ECCO, Gentex and Minerva and would like to thank them for their innovations and ongoing commitment to the PLM community," said Peter Schroer, President of Aras. "We are proud of the level of involvement and engagement in our corporate community and we believe these types of ongoing innovations by companies using PLM are how truly transformational breakthroughs occur."

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Autodesk Factory Design Suite Helps Global Manufacturer Digitally Create Entire Factories

29 May 2012

Autodesk, Inc. has named German manufacturer Feige Filling as the Autodesk Inventor of the Month for May for using Autodesk Factory Design Suite software to not only design innovative filling machines, but also the layout of the factories that house them.

Feige leverages [Autodesk Inventor](#) software and other [Digital Prototyping](#) tools in conjunction with Factory Design Suite to create equipment for its customers and then optimize the factory layout before any equipment is installed. As a result, Feige now serves as a "turnkey" solution provider to its customers, giving the company a powerful advantage in the marketplace.

"Our customers expect us to do more than simply deliver a system," said Jörg Duus, head of construction at Feige. "Thanks to the Autodesk suite of products, we can deliver an entire plant or factory to our customers and assist them with their internal processes, process optimization, design and installation. Providing a full-service solution is part of our unwavering commitment to customer

satisfaction.”

Digital Models Improve Factory Design Process

Feige has a wide range of filling machines that are used by companies from the food, chemical and petrochemical industries to fill containers with liquid. A typical customer factory includes not just the filling equipment, but also storage areas, conveyor systems, stacking technologies and cleaning systems that all must efficiently work together.

Feige had successfully been using Inventor software, [AutoCAD Mechanical](#) software and [Autodesk Vault](#) collaboration software for several years to design its equipment before adding Factory Design Suite, which it purchased from Autodesk Gold Reseller Partner Contelos.

Factory Design Suite enables Feige to create 3D digital factory layouts that incorporate digital models of the various machines and factory components, making it easy to digitally explore different layout scenarios to find the optimal layout solution. Feige also leverages Autodesk 360 Cloud capabilities to share layouts and assembly designs for customer review. In doing so, the company can spot clashes and space constraints *before* they become on-site problems — helping customers avoid the expense of after-the-fact repairs.

Additionally, factory-specific visualization tools enable Feige to provide potential clients with immersive 3D layout proposals rather than multilayered 2D drawings that can be difficult to interpret. By providing this “virtual factory visit,” the company is able to more effectively communicate design intent and enhance the attractiveness of its bid.

“Feige is a great example of the power of Autodesk suites to win more business,” said Brenda Discher, vice president of Manufacturing Marketing at Autodesk. “With Factory Design Suite, Feige is able to reduce errors, save time and money.”

About the Autodesk Inventor of the Month Program

Each month, Autodesk selects an Inventor of the Month from the users of Autodesk Inventor software, which takes manufacturers beyond 3D to Digital Prototyping. Winners are chosen for engineering excellence and groundbreaking innovation. For more information about Autodesk Inventor of the Month, visit www.facebook.com/adskinventor.

About Feige Filling, GmbH

Feige Filling GmbH is a leading global manufacturer of filling machines. The company was founded in 1972 by Gerhard Feige, and has been part of the Haver and Boecker Group since 2003. For additional information, visit www.feigeusa.com.

About Contelos

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Contelos is an Autodesk Gold Partner based in Germany. The company sells proven, complete software solutions from Autodesk. For additional information, visit www.contelos.de.

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Cadence Virtual System Platform Named as American Technology Award Finalist in Software Category

31 May 2012

Cadence Design Systems, Inc. today announced that the Cadence® Virtual System Platform has been named a finalist in the software category for the 2012 TechAmerica Foundation American Technology Awards (ATAs). Winners of the ATAs, which recognize products and services that span the high technology industries, will be announced at the Technology and Government gala dinner in Washington, D.C. on June 13, 2012.

The awards, also known as the “Termans” in honor of the widely credited father of Silicon Valley, are awarded on the basis of a thorough evaluation by industry experts and technology leaders. Cadence is a software finalist along with IBM’s Watson technology and Raritan Inc.’s dcTrack DCIM Software.

“Software is eclipsing hardware as the main driver of end-product schedules and cost, particularly in rapidly evolving markets such as mobile and consumer electronics,” said Nimish Modi, senior vice president, System and Software Realization Group at Cadence. “The Cadence Virtual System Platform enables hardware-aware software development to start months earlier in the product lifecycle, leading to shortened overall time-to-market. This in turn can have a material impact on profitability for our customers, whose products fuel an increasingly mobile and connected world. We are honored that our innovation has been recognized by the TechAmerica Foundation as an American Technology Award finalist.”

Virtual System Platform Speeds Software Prototyping

Part of the Cadence [System Development Suite](#), the [Virtual System Platform](#) simplifies the creation and support of virtual prototypes before committing to hardware design, following an open, connected, and scalable approach. It automates the process of creating a virtual prototype and debugging software — allowing software development to begin months earlier and preventing schedule slips in prototype delivery. The Virtual System Platform also enables transaction-level model (TLM)-aware hardware/software debugging with complete visibility and controllability, and supports mixed TLM/RTL simulation with the [Incisive® Verification Platform](#), as well as co-simulation with the [Palladium® XP Verification Computing Platform](#). Using this software, design teams can:

- Begin software development months before RTL and FPGA prototypes are available
- Create a standards based initial working virtual prototype in days versus weeks
- Improve collaboration between hardware and software development teams
- Quickly bring-up silicon with working software

“The caliber of this year’s nominees was incredible. Our judges had their work cut out for them,” said

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Jennifer Kerber, President of the TechAmerica Foundation. “We congratulate Cadence for their outstanding work and thank them for their contribution to the growth and innovation of our vibrant tech industry.”

Kevin Johnson, CEO of Juniper Networks (NYSE: JNPR) will also be honored during the dinner with the American Technology Awards Corporate Leadership Award and Department of Homeland Security Chief Information Officer, Richard Spires will be recognized as the Government Technology Executive of the Year.

About TechAmerica Foundation

TechAmerica Foundation educates industry executives, policy makers and opinion leaders on the promise of technological innovation to advance prosperity, security and the general welfare. Launched in 1981, the Foundation is a 501(c)(3) non-profit, non-partisan affiliate of TechAmerica, which is the leading voice and resource for the U.S. technology industry. The Foundation disseminates award-winning industry, policy and market research covering topics such as U.S. competitiveness in a global economy, innovation in government, and other areas of national interest. It also organizes conferences and seminars to explore pertinent issues with government and industry representatives and to share the Foundation’s findings. Learn more about TechAmerica Foundation at www.techamericafoundation.org.

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CAXA Partner with ModuleWorks for 5-Axis Machining and Simulation

29 May 2012

ModuleWorks have confirmed their partnership with Chinese CAD/CAM/PLM vendor, CAXA.

CAXA develops and markets an integrated suite of CAM/CAM/PLM solutions to handle the entire product lifecycle from conceptual design through to manufacture, tailored specifically to the Chinese manufacturing industry.

The new CAXA 2013 release will offer ModuleWorks toolpath generation and Simulation technology to provide customers with state-of-the-art 5-Axis machining and simulation. A wide range of 5-Axis strategies include multi-pass roughing, SWARF, Contouring, Flowline and 3-5 Axis toolpath conversion. Combined with full kinematic machine simulation and material removal, CAXA 2013 provides a complete set of tools for advanced machining applications.

CAXA join the growing list of more than 50 CAD/CAM vendors who have partnered with ModuleWorks to provide machining and/or simulation technology to their customers.

The partnership between CAXA and ModuleWorks was announced at a major CAD/CAM press event in Beijing in March 2012 and has since been publicized in much of the Chinese industry press. Dr. David Plater, Technical Director at ModuleWorks, attended and is seen above announcing the new partnership with CAXA.

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Dr. Plater comments “We’re delighted to have CAXA as a new partner in the Chinese market and it’s a pleasure to have been present at the event to announce our collaboration. Our toolpath and simulation technology will be delivered with CAXA 2013 and this highlights the benefits of the partnership, delivering integrated and industry proven high technology software tools to customers in a short period of time.”

About CAXA

CAXA is a well-known brand and the largest domestic CAD/CAM/PLM provider in China. Based on its mission CAXA has developed a suite of CAD/CAM products and PLM solutions to address the complete spectrum of product-lifecycle requirements, from early conceptual design, detailed design, process planning, shop-floor management to post-sale services. CAXA has received numerous awards including "Best-10 Domestic Software Awards" and "Software Gold Award" from China Software Industry Association. There are more than 250,000 CAXA software installed through well-established channels throughout China.

About ModuleWorks

ModuleWorks is a software component provider for the CAD/CAM industry. ModuleWorks’ expertise in 5-Axis Machining and Simulation is recognized throughout the CAM industry and its software components and development services are used by the majority of the leading CAM vendors. ModuleWorks 5-Axis and Simulation software has been used in the manufacture of complex parts for over a decade and they have many users in the global CAD/CAM industry.

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Delcam to Launch New PowerINSPECT at Birmingham Seminar

29 May 2012

Delcam will launch the 2012 release of the company’s PowerINSPECT inspection software with a free, half-day seminar at its Birmingham headquarters on Tuesday, 3rd July. The programme will include demonstrations of the new options in the latest release for both inspection and reverse engineering, plus tips and tricks to get the most out of the software.

The meeting will provide an opportunity for existing PowerINSPECT users to see the latest version of the software. Companies considering adding PowerINSPECT will be able to learn about the added benefits of the new release. To register for the meeting, please go to www.delcam.co.uk/PowerINSPECT2012.

PowerINSPECT is firmly established as the world’s leading hardware-independent inspection software. It combines the ability to work with all types of inspection device with a comprehensive range of inspection routines for taking simple measurements, for inspection of geometric features and for analyzing complex 3D surfaces. The resulting reports present detailed information in an easy-to-read format, that can be understood by all engineers not just inspection specialists.

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For the 2012 release, a new mirror command has been added to save programming time for symmetrical components. This allows the inspection sequence to be mirrored from one half of a component to the other half, or from the left-hand version of a design to the right-hand copy. The new feature can also reduce the possibility of programming errors and improve the consistency of the results between the two halves or between a pair of parts.

The range of dimensions that can be displayed on the model has been increased to include more types of distance, angle, and diameters and radii. The options to display the various dimensions from the increased range have been made more versatile, to ensure the reports remain easy to read with only the required dimensions shown in the report.

There are two important additions to the PowerINSPECT 2012 point-cloud module for laser scanners and other point cloud devices. STL export provides basic reverse engineering functionality for scanned data. The STL files can be used within Delcam's PowerSHAPE Pro design software for more advanced reverse engineering operations.

In addition, point-cloud display has been enhanced with an option to show any back-facing points in a second colour. This highlights any discontinuities in the data, including gaps or other problem areas, and so makes it easier to identify areas that may need re-scanning to capture the complete model.

Another enhancement makes it possible to measure edge points directly; it is no longer necessary to measure the surface first. This makes the process both easier and faster. However, it is recommended that both the edge and the surface should be checked if there is any likelihood of the part being distorted, for example, when checking flexible sheet-metal or composite components.

The inspection of castings and forgings, and similar near-net shapes, has been improved with the addition of a new best-fit option. This centres the component within the measurement data so that the largest possible minimum stock is located on the part. It helps to ensure that positive material exists in all areas of any semi-finished part before it is sent for further machining. The approach can be used with the PartAligner option to minimise machining set-up times.

A number of enhancements have been included to give faster and easier programming, with less chance of errors. A new "lock workplane" option automatically creates a datum scheme matching the part's coordinate system within PowerINSPECT's GD&T True Position, while standard tolerances for Limit and Fit to ISO 286 and ISO 2768 have been included so that they can be selected from a pre-defined list.

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EUROBUILD and GRAPHISOFT Scoop ‘Sustainable Design Project of the Year’ at Green IT Awards

30 May 2012

GRAPHISOFT® has announced that The Rural Regeneration Centre at Hadlow College, created by James Anwyl from EUROBUILD®, has won the Green IT Award for Sustainable Design Project of the Year.

Designed using GRAPHISOFT’s BIM and energy assessment tools, ArchiCAD® and EcoDesigner™, the Rural Regeneration Centre was recognized by the Green IT judges at a recent award ceremony at London Zoo in Regents Park. The Green IT awards seek to reward organizations that have demonstrated originality and innovation in ‘green’ solutions, products and policies.

Commenting on their success at the awards, Joy Stevenson, Director of Marketing at GRAPHISOFT UK, said, “The Rural Regeneration Centre at Hadlow College, created by James Anwyl of EUROBUILD, using ArchiCAD® and EcoDesigner™ truly demonstrates to the industry the depth of possibilities with ‘Green Architecture’. To date, the Centre has been awarded Passivhaus certification, the first educational establishment in the UK to achieve this accolade, and has won the Environmental Project of the Year at the Construction Computing Awards. Therefore, to also receive recognition from the judges at the Green IT Awards is a great honor and we would like to thank them for taking the time to recognize this unique project.”

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Gerber Strengthens YuniquePLM Team with Appointment of Vice President of Professional Services

30 May 2012

Gerber Technology welcomes Keith Krystofolsky as vice president of Professional Services for the company’s [YuniquePLM™](#) and [webPDM™](#) software products. He will manage Gerber’s global team of consultants and technical experts through customer implementations and continuous software enhancements.

Krystofolsky brings with him more than a decade of experience working with PLM systems and processes across a number of global, diverse, multi-channel companies. He comes to Gerber from Fifth and Pacific Companies (formerly Liz Claiborne, Inc.) where he was the director of design and product development systems. Prior to that, he was the manager of product technology at New York & Company, Inc. and an application analyst at Limited Brands.

Donny Askin, president of Gerber’s YuniquePLM business, said, “In the past two years, more than 40 fashion companies throughout North America and Europe have adopted YuniquePLM to drive business growth and process improvement across their organizations. From these successes comes a wealth of “voice of customer” feedback that drives continuous product improvement. Among other things, Keith

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will serve as the direct liaison between our users and our product development team.”

Krystofolsky said, “I have worked with a number of PLM systems in the past and am delighted to be working with a product that I know is wholeheartedly embraced by people across the fashion industry – designers and IT professionals alike – because it’s intuitive to use, makes it easier to collaborate with partners, and, in the end, helps teams create a more appealing product for the consumer.”

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GRAPHISOFT's ArchiCAD 16 Recognized by Architosh as AIA 2012 Best of Show

31 May 2012

GRAPHISOFT has been selected as the winner in the desktop category of Architosh's Best of Show awards for software presented at the 2012 AIA National Convention & Exposition recently held in Washington, DC.

Architosh is an Internet magazine dedicated to Mac and iOS CAD and 3D software applications led by Senior Associate Editor, Pete Evans, AIA and Editor-in-Chief Anthony Frausto-Robledo, AIA, LEED, AP. Evans and Frausto-Robledo selected the best software items in two categories: desktop and iOS mobile.

"ArchiCAD 16 introduces powerful, new direct-modeling technology," Frausto-Robledo stated, "and explicit modeling has been clearly identified in BIM market research as a need, including Architosh's 2010 BIM report. In addition, the integration of GRAPHISOFT's EcoDesigner into ArchiCAD 16 encourages architects to design buildings with the environment in mind."

"GRAPHISOFT is committed to bringing products and services to market that add value to the design process and extend the reach of the architecture building information model," said Steve Benford, GRAPHISOFT North America managing director. "We are pleased and honored ArchiCAD 16 was selected by the Architosh editors for a Best of Show award."

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IBS Will Offer HiQube Business Analytics Solutions in Japan

31 May 2012

Altair Engineering, Inc. today announced that Intelligence Business Solutions (IBS), a Tokyo-based business consulting and process solutions provider, will become a reseller and implementation partner for Altair's HiQube business analytics technology, integrating HiQube as part of their solution offerings to companies throughout Japan. IBS, which becomes the sixth distributor of HiQube in Japan, has more than 30 years of experience in offering business intelligence solutions to the distribution and financial industries and other major business sectors.

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"The system integration business is very challenging because resellers often find it difficult to differentiate their offerings," said Tsunaki Kawamoto, HiQube sales and partner manager for Japan. "After learning about HiQube's simulation capabilities, with a focus on performance optimization, IBS saw the opportunity to build a new line of business centered on HiQube that broadened their solution portfolio for both current and prospective customers."

"Our partnership with HiQube brings a powerful analytics platform that fully complements our technology portfolio - extending the services and solutions IBS offers," says Koichi Honda, Integration 3 department General manager. "We look forward to working with HiQube to deploy tailored, high-end analytics solutions for our customers that deliver deeper business insight and increased value to their respective organizations."

HiQube is a simulation-driven business intelligence and data analytics solution for guided decision-making. It works in concert with many different business systems to deliver business analytics, including crucial intelligence, beyond the IT department into the hands of managers throughout the enterprise. Personnel engaged in sales and management planning can quickly and independently analyze activity and provide insights for improved business performance across their organization. HiQube's foundation in simulation and optimization software equips it to manage this type of analysis rapidly, viewing very large quantities of data from multiple perspectives to provide new levels of intelligence. IBS was established in 1982 to provide high-performance technology and actionable business knowledge to its customers. It employs more than 300 people at its headquarters and development centers in Japan and Vietnam.

About HiQube

HiQube is a simulation-driven analytics platform to maximize business performance. Unrivaled in speed for large data sets, HiQube uniquely leverages an embedded optimization engine that speeds and guides decision-making. As a complementary solution, HiQube enriches the value of existing IT investments by providing forward-looking insight to realize business objectives. To learn more, try HiQube live or download a free trial license, visit www.hiqube.com

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IMAGINiT Technologies Launches Enhanced ProductivityNOW Portal in Australia

28 May 2012

Rand Worldwide today announced that its IMAGINiT Technologies division has launched a new ProductivityNOW portal to serve their Australian clients. The new, custom built industry portal is geared to maximize the productivity of anyone using Autodesk software and Autodesk complementary technologies.

“We’re always working hard to improve the client experience and give our clients a unique value

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proposition that they just can't find anywhere else," says Bill Zavadil, senior vice president, worldwide services at IMAGINiT Technologies. "The ProductivityNOW portal is the perfect combination of insight from our 85 technical experts, eLearning expertise from ASCENT, downloadable utilities from our software development team, and the knowledge from our global support team combined in one easy to use tool. Add an engaged community to this and it's really the only destination you need for everything for CAD."

"We are pleased to offer this wealth of IMAGINiT exclusive content to our clients here in Australia," added Michael Lachs, managing director for IMAGINiT's Australian operations. "The portal allows our clients to tap into the deep technical expertise of our global team and is a true value-add to our local clients."

Access to the portal is open for anyone to explore, regardless of whether they are discovering IMAGINiT for the first time or are long-time, loyal clients. The online portal offers unrivalled value with added enhancements based on a tiered subscription system where IMAGINiT clients receive additional privileges. Custom built from the ground up the ProductivityNOW portal contains five major components:

Technical Resources: An unmatched assortment of multi-media content including helpful tips & tricks, eSeminars, Webcast recordings, whitepapers, external links to key sites, and more.

Support: Support clients can search IMAGINiT's growing knowledgebase for answers, log support tickets and review current or search past cases for answers. Clients who have an Autodesk Subscription through IMAGINiT can see details of their Subscription data and manage it accordingly.

Utilities: IMAGINiT's 16 powerful software utilities that advance your abilities when working with Autodesk software are available for complimentary download for IMAGINiT's Autodesk Subscription clients. Utilities include IMAGINiT Utilities for Autodesk Revit software, IMAGINiT AutoOffset and more.

eLearning: Powered by ASCENT, an Autodesk Official Training Guide provider, the robust eLearning component offers an unparalleled number of user quizzes, assessments and educational curricula including more than 750 instructional videos. Content is served up in a variety of formats to match different learning styles.

Community: Designed specifically to maximize engagement, members are encouraged to interact with fellow members and IMAGINiT experts through discussion forums, blogs, polls and more.

ProductivityNow Fast Facts:

- 750 instructional videos embedded in the eLearning curriculum

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- 566 support knowledge cases that clients can search to solve problems
- 245 video tips, tricks, webcasts, eSeminars
- 91 eCourses available across all verticals for multiple release years
- 93 whitepapers
- 32 eCourses on Autodesk 2012 products
- 9 eCourses on Autodesk 2013 products
- 16 utilities from IMAGINiT's software development team
- 5 IMAGINiT and ASCENT blogs

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LEDAS to Distribute ASCON's C3D Modeling Kernel Internationally

1 June 2012

ASCON, developer and integrator of professional CAD/AEC/PLM, and LEDAS Ltd., service provider in the field of engineering software development, today jointly announced a new distribution agreement. With this agreement, LEDAS becomes the international distributor of ASCON's new C3D modeling kernel.

C3D technology allows developers to combine into one product 2D and 3D modelers, solvers, and data converters because it consists of three closely integrated components:

- **C3D Modeler** module for geometric modeling
- **C3D Solver** module for parameterization
- **C3D Converter** module for data translation

C3D is the kernel used by the well-known KOMPAS-3D MCAD design software, and so for nearly two decades now it has been developed in parallel with KOMPAS-3D. Well before ASCON released C3D on the market a month ago, the two underwent quality testing by thousands of end users on hundreds of thousands of mechanical models.

“C3D is a state-of-the-art modeling kernel that provides CAD vendors all the functions their software needs, without any of the limitations that burden kernels developed many years ago,” said Maxim Bogdanov, CEO of ASCON. “Even though we have an excellent distribution channels in Russia, we feel that our new C3D product should be also in demand internationally. And so we are very interested in establishing cooperation with CAD developers around the world. This is why we have presented C3D on the international arena earlier this year at the COFES 2012 in the United States.”

“LEDAS is the reseller for several CAD technology components, including LGS, the 2D and 3D constraint solver, and a variational direct modeling module from Bricsys. We are happy to add C3D to our line of high-end CAD components that we as a value-added reseller can offer to our customers,” added Alexey Ershov, CEO of LEDAS. “LEDAS software engineers have been working on C3D to

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implement variational direct modeling technology inside of KOMPAS-3D. Our experience is a great reason for choosing LEDAS as a reseller of C3D.”

About ASCON

ASCON - CAD/AEC/PLM software developer and supplier, founded in 1989. ASCON solutions address key issues of industrial design, engineering, preparation and release of drawing documentation, product lifecycle management. ASCON software to be successfully applied across various industries: machinery, automotive, shipbuilding, aerospace and defence, architecture, civil engineering, electronics and many others.

KOMPAS-3D is the award-winning mechanical computer-aided design solution from ASCON, providing professional parametric 3D modeling, full-scale 2D design, and specialized add-ons for photorealistic rendering, motion simulation, and kinematic and dynamic analysis. ASCON offers easy-to-learn solutions, with up-to-date professional functions at reasonable prices. Download free 30 days trial version of KOMPAS-3D at www.ascon.net

About LEDAS

Founded in 1999, LEDAS Ltd. is a private, employee-owned Russian software company. LEDAS provides a wide range of high-quality technology-intensive software development and consulting services to the CAD, CAM, CAE, and PDM markets. LEDAS operates in the world-famous Novosibirsk research center and technology park, and has close contacts with Novosibirsk State University. LEDAS is a preferred distributor of Bricsys technology.

For more information about LEDAS, please visit www.ledas.com

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Si2 Announces Six New Members of the Open3D Technical Advisory Board

31 May 2012

The Silicon Integration Initiative (Si2) announced today six additional members of their Open3D Technical Advisory Board (TAB), which is chartered to enable interoperable 2.5D and 3D design flows with open standards, providing common formats and interfaces. The new members of the Open3D TAB are: Altera, AMD, IBM, Helic S.A., SEMATECH, and STARC. There are now 18 companies and organizations participating in the Open3D TAB.

Current working groups for Open3D TAB members include developing standards to support:

- Definition of the power distribution network across the die of a 3D stack, a topic for which a contribution has already been received in response to the request for technology (RFT) that was released earlier in the year

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- Thermal design and analysis of an entire 3D stack, including thermal constraints between neighboring dies
- Expression of design constraints into and out of the path-finding and floorplanning stage of the overall design process

"3D implementation presents difficult and complex challenges that will require the development and adoption of standards," said Raj Jammy, SEMATECH's vice president of Emerging Technologies. "This partnership aims to fill that space with a complementary effort to enable successful commercialization of 3D ICs."

"The Open3D TAB is making excellent progress and gaining significant momentum, as evidenced by the new members who have recently joined the TAB," said Dr. Sumit DasGupta, Sr. Vice President of Engineering, Si2. "Member companies have made key technical donations in areas such as the Chip Interface Protocol description for power distribution network analysis from ANSYS and the requirements documents from SRC for power distribution networks and thermal analysis. We invite others in the industry to join this effort."

At the upcoming Design Automation Conference in San Francisco, Si2 will be presenting a session on "Standards for a 3D World." This will be on June 4 in Room 301 of the Moscone Center from 3:15 PM - 4:30 PM. This session will include a presentation of status of activities in the 3DTAB followed by a panel discussion which will include industry experts who will present some of the issues being addressed now and also cover some of the future challenges. For more information and free registration, click here: <http://www.si2.org/?page=1525>

For more information on the Open3D TAB, click here: <http://www.si2.org/?page=1380>

Membership in Si2 project is open to all interested parties across the semiconductor supply chain. For more information see: <http://www.si2.org/?page=1137>

Open3D TAB Members:

Altera, AMD, ANSYS, Atrenta, Cadence Design Systems, Fraunhofer Institute, GLOBALFOUNDRIES, IBM, Intel, Helic S.A., Invarian, Mentor Graphics, Qualcomm, R3Logic, SEMATECH, STARC, STMicroelectronics, and Texas Instruments.

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Successful Year for Simulation Partners (Vero Software)

29 May 2012

Vero Software and SPRING Technologies are celebrating the first anniversary of their partnership in May, which has led to manufacturers fully simulating how NC programs will perform, before they start cutting metal on their CNC machines.

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With just one mouse click, relevant NC code data is transferred from inside the market-leading CAM system Edgcam, to SPRING Technologies' NCSIMUL machine simulation software, preventing expensive collisions, optimizing the cutting process and reducing cycle time, whatever the complexity of machines or machining processes.

Engineers simply transfer information about the generation of NC programs through the Edgcam/NCSIMUL interface to run a full simulation. As well as safeguarding both the machine tool and cutting tool, simulations reduce the testing time on machines which yields higher productivity rates.

Edgcam General Manager Raf Lobato says: "It allows engineers to simulate and verify NC code produced by Edgcam, before it is actually sent to the machine tool, giving complete peace of mind. It simulates the true life tool path before it goes to the NC machine and verifies it, inspecting the program, verifies the complex movements and optimizes the machining operation settings."

SPRING Technologies CEO Gilles Battier says: "The time required to test a program on the NC machine tool is the difference between the machining time needed for a real part, and the time the test takes. This difference varies according to the test methods that are used: before machining, on a resin, wood or foam model, then a real part using the "block by block" method; machining the real part, but using the "block by block" method; or machining the real part at reduced speeds.

"However, if a problem occurs immediate action will have to be taken to modify the program, causing the machine and the operator to stand idle while this is done. The Edgcam/NCSIMUL interface does away with this time consuming process, reducing costs and ensuring profitability around the manufacturing operation."

But collisions are what all NC programmers and operators fear the most, as Raf Lobato explains: "The ability to avoid it can, by itself, justify adopting machining simulation. The breakage of equipment or machinery can be expensive to repair and leads to lengthy machine downtime, but it can also be a source of risk for personnel. Therefore everything should be done to eliminate it.

"Though technological progress has reduced levels of breakage of tools, clamps and other fixtures, it still happens enough for manufacturers to build it into a cost analysis. But using Edgcam with its NCSIMUL interface prevents these costly collisions."

Gilles Battier concludes: "When we entered into this partnership a year ago the aim was to give production engineers and manufacturers a way to optimize their machines with CNC programming to improve productivity.

During the last 12 months we have seen many companies use the Edgcam/NCSIMUL interface to prevent the risk of collisions and tool breakages, and reduce testing times to yield higher productivity

rates of up to 40%.

“Users range from small production engineering subcontractors, through to large global corporations manufacturing their own products.”

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TCS Recognized by Eaton for Premier Supplier Excellence

29 May 2012

Tata Consultancy Services today announced that it received the 2011 Eaton Premier Supplier Award for the Indirect Supplier in Information Technology Services category. Diversified industrial manufacturer Eaton Corporation honored 33 of its best suppliers at its seventh Supplier Awards Program in April at the downtown Cleveland Marriott.

"We are proud to honor this elite group of suppliers for their outstanding service and commitment to excellence. The Premier Supplier awards are reserved for Eaton's best suppliers across the enterprise," said Craig Reed, Eaton senior vice president, Supply Chain Management. "We congratulate each of our suppliers for their efforts in establishing Eaton as a global power management company and look forward to their continuing contributions in 2012."

The award winners fall within one of two supplier categories: Direct or Indirect Materials and Services. Direct Materials suppliers are those which provide goods used directly in the making of products (e.g. steel, bearings, seals, castings); Indirect Materials and Services suppliers provide goods or services to support plant production and maintenance or office services (e.g. cutting fluid, maintenance repair, office supplies, travel services).

"TCS is delighted to be honored with the Eaton Premier Supplier Award in the Indirect Supplier for Information Technology Services," said Milind Lakkad, TCS' Global Head of manufacturing. TCS and Eaton have had a long and very productive relationship and as this valuable partnership continues to grow, TCS remains committed to providing Eaton with the capabilities and support it needs to be successful in all its endeavors."

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VERICUT V7.2 Demonstrates its Speed

30 May 2012

More than 100 people from 40 high technology manufacturing companies joined CGTech at its latest VUE 2012 (VERICUT Users Exchange). Held in the ‘Wing’ at the Silverstone racetrack, CGTech used the event to explain to customers what enhancements are planned for the next release of Vericut, independent CNC machine tool simulation and optimisation software. Feedback was also gathered at the

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event, to help CGTech's software development team focus attention on areas that customers request.

The event started with an overview of VERICUT version 7.2, which is due for release during the summer 2012. John Reed, CGTech Managing Director, said: "For VERICUT 7.2, we continue to focus on the customers' use of VERICUT and improving the simulation process speed and effectiveness. We added features to the user interface to simplify the most common user actions and invested significant developer effort to increase speed by more thoroughly taking advantage of multiple processors and background processing. The result is that VERICUT 7.2 is significantly faster than previous versions with no compromise on accuracy."

VERICUT is an independent CNC simulation and verification software. This has driven demand for more interfaces to popular CAD/CAM systems with new interfaces to Delcam's FeatureCAM, SolidCAM and Esprit.

Later in the morning visitors were treated to a presentation by toymaker, LEGO Group. Christian Wissing Kruse, project manager with LEGO Engineering, Prototypes & Tooling, explained how the toymaker has been using VERICUT to support the company's production of complex moulds and dies, reducing the daily risk of a costly and damaging collision between a machine tool spindle and the tool material.

He said: "With the traditional simulation that many CAM packages are capable of there are certain parameters that you cannot take into consideration. Often the programs do not consider the individual CNC machine's kinematic properties and most programs simulate internal CAM movements and not post-processed data. These shortcomings can be fatal if, for example, you plan to operate with the machine's spindle in close proximity to the workpiece."

Christian Wissing Kruse stated how the company simulates and achieves a 2 micron tolerance on its mould tools. "We have measured our CNC machines, so Vericut knows them inside and out. When the final NC program has been written, we send it to a shortcut on the PC's desktop from where a simulation is conducted on a dedicated PC-server through a system of Windows batch-scripts and VB-scripts. We do not need to watch the program as it is simulated and when the simulation is complete, an email message is sent to the relevant person with a green 'go-ahead' or red 'stop' in the message field," he said.

During the afternoon, guests were taken through a list of productivity enhancing 'tips and tricks' for the current version of VERICUT by the company's technical staff. This sparked further positive feedback with more areas for the development engineers to work on.

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Events News

At 49th Design Automation Conference, Blue Pearl Showcases Interoperability with Leading FPGA Ecosystem Players, Focuses on Accelerating FPGA Implementation & IP Subsystem Integration

31 May 2012

At the Design Automation Conference (DAC), Blue Pearl Software will showcase its Blue Pearl Software Suite's interoperability with tools and flows from other leading FPGA ecosystems players -- Xilinx Vivado(TM) Design Suite and Synopsys Synplify Pro(TM) FPGA synthesis software.

The Blue Pearl Software Suite provides Register Transfer Level (RTL) analysis and includes linting, clock domain crossing (CDC) and automatic Synopsys Design Constraint (SDC) generation and makes the synthesis and place and route phases of FPGA design implementation more efficient. Its Visual Verification Environment(TM) makes it easy to use for any level of designer.

With the Blue Pearl Software Suite, Verilog, VHDL and SystemVerilog designers using Windows or Linux, can automatically generate an exhaustive set of constraints that address false and multi-cycle paths, accelerate their embedded system development and improve design quality (QoR) because of Blue Pearl's collaboration with the world's leading FPGA tool suppliers and intellectual property (IP) providers.

When/Where Monday-Wednesday, June 4-6, from 9 am to 6 pm

Booth #714 Moscone Convention Center, San Francisco, California

For more information, please visit Blue Pearl Software at <http://www.bluepearlsoftware.com> For more information about DAC, please visit www.dac.com

About Blue Pearl Software

Blue Pearl Software, Inc. provides next generation EDA software that uses new and innovative technology to reduce design flow iterations and increase designer productivity early in the digital design flow. Blue Pearl Software Suite checks RTL designs for functional errors and automatically generates comprehensive and accurate Synopsys Design Constraints (SDC) to improve quality of results (QoR) and reduce FPGA and ASIC design risks.

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AVEVA 'Breakthrough in Engineering Productivity Roadshows' Announced for UK

28 May 2012

AVEVA announced today it will host a series of events entitled 'Breakthrough in Engineering Productivity' for the UK engineering community. The roadshows will showcase AVEVA Electrical, the completely new and feature rich design software solution for electrical engineers and designers, which delivers dramatically improved productivity and shorter ROI.

"We will be showcasing the huge advantages that AVEVA Electrical brings to the UK engineering community", said Fredy Ktourza, Senior Vice President - West EMEA, AVEVA. "To get the message out, we have selected a number of strategic UK engineering hubs as locations for the roadshows. Delegates will be introduced to the brand new AVEVA Electrical product and will have the opportunity to see the significant time savings and quality improvements that can be realised by adopting an Integrated Engineering & Design approach."

While focusing on AVEVA Electrical, the roadshows will also feature the technological breakthrough of the AVEVA Plant portfolio which can deliver savings of up to 30% compared to alternative solutions. This is made possible through the fully-integrated, concurrent development of engineering and 3D design data.

The free-to-attend roadshows are targeted at electrical and instrumentation designers and engineers, operations and engineering managers and executive management working on construction, operations and maintenance of major capital facilities.

The locations, times and dates for the roadshows are:

- Aberdeen - Jury's Inn
Tuesday 12th June
- London - St Pauls Conference Centre
Tuesday 3rd July
- Surrey - Inn on the Lake (Silvermere Golf Club)
Wednesday 4th July
- Manchester - Concorde Conference Centre
Tuesday 17th July
- Darlington - Teesside University Darlington Campus
Wednesday 18th July
- Newcastle - Great North Museum
Thursday 19th July

For more information on the roadshows or to register visit www.aveva.com/breakthrough.

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CCE to Showcase EnSuite at PlanetPTC Live

29 May 2012

CCE, an engineering software and services company that provides solutions to leverage CAD data across the extended enterprise, announces its participation at the PlanetPTC Live event, being held at The Rosen Shingle Creek Resort (Orlando, FL) from June 3 through 6, 2012.

PlanetPTC Live is the industry's annual conference for users of PTC software like Creo, Windchill, Arbortext, Mathcad etc. It provides an excellent platform for attendees to discuss real-time problems, identify best practices, attend hands-on training & technical sessions and network with other users in the PTC ecosystem. Attendees will also be able to view latest innovations from PTC Partners at the Solutions Expo.

At Booth #714, CCE will be discussing technology solutions to automate processes that leverage CAD data to perform critical tasks across the enterprise. In this context, CCE will discuss its EnSuite software, which has a productivity apps framework to enable creation of scripts for process automation. CCE will share how EnSuite leverages CCE's Open Data eXchange (ODX) libraries to access multi-CAD data independent of CAD systems. CCE will also discuss how apps can be developed cost effectively using offshore based software engineering resources. Besides EnSuite, CCE personnel will be available to discuss its flexible Engineering and PLM Services model to maximize your investment in CAD & PLM and accelerate innovation.

“PlanetPTC Live is a must-attend event for users of PTC software. We have been a PTC Platinum Partner for several years now and our participation cements our relationship with PTC and its community of users” says Vinay Wagle, CCE's V.P. of Sales and Marketing. “CCE personnel will be available to discuss our latest innovation, EnSuite. Users in Sales, Marketing, Purchasing, Manufacturing and Engineering can use EnSuite to automate processes that use information from CAD files for their work. For example using an EnSuite app one of our users cut their sales quoting time by 30%. EnSuite will work with an existing Windchill installation to read CAD data from it for people who have already invested in PLM.” added Vinay.

About CCE:

CCE (www.cadcam-e.com) is a Michigan Corporation in business since 1989. Our offices are located in Farmington Hills, MI and Fort Lee, NJ. CCE's focus is in CAD technology & application development and related services. The mission of the company is to deliver value for our customers through innovative, disciplined and communications-focused technology products and services.

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CimatronE Live Machining Demo with AgieCharmilles at BIEMH, Spain

30 May 2012

Cimatron Limited today announced that live machining demonstrations using its integrated CAD/CAM CimatronE software will be held at the BIEMH (International Machine Tool Biennial) trade show in Bilbao, Spain, from May 28 to June 2, 2012.

"Manufacturers, both in Spain and across the world, have long recognized CimatronE's ability to significantly boost their productivity, reduce costs, and enhance the quality of their work," said Mr Victor Gutierrez, the Technical Manager of Cimatron's Spanish reseller Cimatech.

"One of CimatronE's strongest selling points is that every single one of its features was specifically designed with the toolmaker and discrete part manufacturer in mind. From quoting and data import through to design and NC programming, all of its capabilities work together to guarantee the production of top notch molds, dies or discrete parts in record time.

"BIEMH is a valuable opportunity for manufacturers to test-drive CimatronE and to see for themselves what it can do for their business. I particularly urge attendees to view AgieCharmilles' live machining demonstrations, which will be powered by CimatronE."

CimatronE information will be on display at the Cimatech booth - Hall 1, Booth H11. The live demonstrations will be held at the booth of AgieCharmilles - Hall 2, Booth H32-I33 - and will involve the cutting of a part using CimatronE's 5-Axis technology on an HPM 800 U machine.

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Delcam to Show Faster Tooling Design and Machining at Amerimold

30 May 2012

Delcam will show how the 2012 versions of its PowerSHAPE CAD software and its PowerMILL CAM system can speed the design and manufacture of all types of mold on booth 411 at the Amerimold exhibition to be held in Novi, Michigan, on 13th and 14th June. The programs allow toolmakers to increase their productivity at all stages of any project, so reducing costs and shortening lead times, as well as ensuring the highest quality in the finished mold and all components produced from it.

The faster mold design has been made possible by the incorporation within PowerSHAPE of a range of direct modeling options to complement the existing strengths in solid and surface modeling. The new options are focused on design for manufacture, in particular on preparing product designs for the development of molds. Full details, including video demonstrations of the new functionality plus the ability to download an evaluation version, are on the PowerSHAPE 2012 Learning Zone – www.delcam.tv/ps2012/lz.

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The direct modeling functionality that has been added will enable tooling designers to tackle all the common problems that they find in product designs, such as insufficient draft or inappropriate fillet sizes. Direct modeling is faster to use than surface modeling for these types of modification so it can shorten the overall time needed to produce tooling and so reduce delivery times. In addition, the new options have been made as accessible as possible by enhancing existing commands rather than grouping them in a separate area of the software.

Together with the extensive data translation and data repair options already available in PowerSHAPE, the addition of direct modeling gives a unique range of capabilities to tooling designers, whether they are working with injection molds, RIM tools or lay-up equipment for composites.

The 2012 R2 version of PowerMILL includes new and enhanced strategies for both roughing and finishing. Full details of both the 2012R1 and R2 releases, including videos of the new functionality, can be seen on www.delcam.tv/pm2012/lz.

The most important of the new strategies is step cutting within area clearance, which will be especially valuable for manufacturers of larger molds. Modern roughing tools are capable of removing material more quickly by using larger stepdowns. The disadvantage of this approach is that large terraces can be left on the part. These steps can be removed by rest machining with a smaller tool.

An alternative approach is to step back up the terrace with the existing large tool, adding extra cuts at intermediate levels. This results in more material being removed, using the same tool within the same toolpath. The rate of material removal can be optimized by increasing the feed rate automatically as the depth of cut gets smaller. This reduces the overall machining time.

Another enhancement produces a more efficient result when using automatic verification on a toolpath to prevent a collision by the shank or the toolholder. In the previous versions of PowerMILL, the tool would be retracted to a safe height whenever a collision was possible and then returned to the part once it was safe to continue machining. Now, PowerMILL generates a continuous toolpath that removes as much material as possible, while still avoiding any collisions. The elimination of the retract moves shortens machining times and gives an improved surface finish, while the continuous cutting reduces the change of load on the tool so increasing its life.

Work has also continued to improve the macro language within PowerMILL that can be used to automate any routine or repetitive calculations, for example when producing a series of molds for different products of similar size and complexity. A new macro debugger has been added that makes it easier and quicker to identify any errors in a macro. Furthermore, the creation and editing of larger, more complex macros has been made easier with a new option to set breakpoints within the macro and the ability to view the contents of the variables in a separate watch window.

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GibbsCAM Generates CNC Programs for Nakamura-Tome MTMs

30 May 2012

Gibbs and Associates, developer of [GibbsCAM](#)[®] software for programming CNC machine tools and a Cimatron company, announced today that it will support machine tool distributor Methods Machine Tools with demonstrations of its GibbsCAM CNC programming system at the Methods Metal Storm 2012 Open House event. GibbsCAM's programming capabilities will be featured in support of programming and post-processing to make parts on Nakamura-Tome multi-tasking machines. The Nakamura MTMs are among the 50 machine tools to be on display, under power, at the event. Other machines include Matsuura machining centers, Kiwa-Japan horizontal machining centers, Exeron die-sinking EDMs, Fanuc drills and wire EDMs, plus Feeler lathes, vertical machining centers, horizontal boring mills and 10-meter bridge mills. Methods Machine Tools will also hold technical seminars on various metalworking topics during the two-day event, which will be held at its headquarters, 71 Union Avenue, Sudbury, Massachusetts, on June 13-14, 2012.

“With the reputation that GibbsCAM has earned in programming complex parts on advanced multi-tasking machine tools, it makes perfect sense to be selected as the supporting CAM system for Nakamura-Tome multi-tasking machines,” said Bart Ehlers, Regional Distribution Manager for Gibbs and Associates. “We maintain a growing library of more than 11,000 unique post-processors for our customers. That includes over 1,000 MTM post-processors, so we are pleased to demonstrate our superiority in programming MTMs, with integrated functions such as toolpath verification and machine-tool simulation, all accessed through a common, easy-to-use interface, in support of our partner and joint customers.”

Gibbs and Associates maintains strong partnerships with various machine-tool builders and their distributors around the globe. These partnerships may include software development, technical support or cooperative marketing, all in addition to the continuous support of joint customers.

About Gibbs and Associates and GibbsCAM

For thirty years, Gibbs and Associates has been a leader in providing cutting edge CAD/CAM technology, while maintaining its signature ease-of-use and productivity. *Powerfully Simple, Simply Powerful* is the guiding philosophy at Gibbs. Gibbs believes in empowering the NC programmer, machinist, and manufacturing engineer, not eliminating them. Gibbs' goal is to introduce manufacturers to new technologies and new ways of working that makes their machining easier and their businesses more profitable. To achieve this goal, Gibbs creates tools that are naturally intuitive, graphically interactive, extremely visual, associative, and just plain enjoyable to use. Gibbs provides a total quality solution with the service and support that successful customers require.

The current GibbsCAM product line supports 2- through 5-axis milling, turning, mill/turning, multi-task simultaneous machining and wire-EDM. GibbsCAM also provides fully integrated manufacturing modeling capabilities that include 2D, 2.5D, 3D wireframe, surface, and solid modeling. GibbsCAM is Compatible with Windows 7 and Certified for Windows Vista. GibbsCAM's data exchange capabilities are able to access the broadest range of native and industry standard CAD data formats. GibbsCAM is

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certified under the Autodesk Inventor Certified Program, is a Siemens Solution Partner Program-PLM for Solid Edge product, and is a SolidWorks Certified CAM Product. GibbsCAM is either offered or endorsed by a number of leading worldwide control and machine tool manufacturers. Gibbs and Associates distributes its products worldwide through a network of international Resellers.

In January 2008, Gibbs and Associates merged with Cimatron Ltd., and is now operating as a wholly owned subsidiary. For more information about Gibbs and Associates and its CAM software packages, visit its web site (www.GibbsCAM.com) or call 1-800-654-9399 (outside of North America, call +1-805-523-0004).

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Inforbix to attend Solid Edge University 2012

29 May 2012

Inforbix will present and demonstrate its product data access apps June 11-13 at Solid Edge® University 2012 Technology Showcase in Nashville, Tennessee.

Inforbix is a cloud solution that aggregates and exposes on-premise product data from multiple sources and locations without actually touching, moving, or migrating files to the cloud. Users access Inforbix with any standard web browser. It is simple to deploy, secure, and both fun and easy to use.

“We are excited to introduce Inforbix to the Siemens community at Solid Edge University 2012,” said CEO Oleg Shilovitsky. “We believe there is a growing affinity among Siemens customers, partners, and Inforbix users. This community has always been among the first to adopt new products that are cost effective and easy to use, and which make their products more competitive. At Solid Edge University 2012, Siemens users will learn more about Inforbix and confirm that Inforbix delivers these benefits. We are pleased to share Inforbix with the Siemens community.”

At the showcase, attendees and SolidEdge Partners will be able to see Inforbix in action. One-on-one meetings will allow customers and partners to ask detailed questions in order to learn how Inforbix helps manufacturing companies make better use of their product data using Inforbix product data apps.

Manufacturing companies are drowning in the growing amount of product data generated and found within different file types, sources, and company data-silos. They are increasingly using a mix of vendor packages and solutions, all of which generate, contain, manage, or store product data, creating a hodgepodge of resources to comb through. Product data generated in a typical manufacturing company can be both structured (valuable BOM and assembly information spread out across different CAD drawings) and structured (CAD drawings within a PDM or PLM system). Inforbix Apps are tools that address specific product data tasks such as finding, re-using, and sharing product data.

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Inforbix can access product data within CAD, PDM, and PLM systems and make it available in meaningful ways to CAD and non-CAD users. All Inforbix apps utilize product data semantics technology that automatically infer relationships between disparate sources of data. For example, Inforbix can semantically connect or link SolidEdge CAD assemblies with a related Excel or PDF file containing a BOM table stored on a file server in another department.

For more information on Inforbix apps, visit <http://www.inforbix.com>.

ABOUT INFORBIX

Boston-based Inforbix is a software company founded in 2010 that addresses product data challenges within manufacturing companies asking: “There’s lots of data everywhere. How can I access it all with a single solution?”

The Inforbix mission is to develop and market industry-leading software solutions that significantly improve productivity by streamlining work and reducing time involved in accessing and sharing product data. Inforbix develops intelligent apps for intelligent data access. Apps offered are simple tools that address specific product data tasks such as searching and accessing product data, organizing and presenting product data, and visualizing product data trends and patterns.

The underlying power behind Inforbix’s apps is provided by Inforbix’s semantic technology. It automatically finds and infers relationships between disparate sources of structured and unstructured product data. By linking and connecting related product data, Inforbix provides users with the ability to locate and access product data quickly and thoroughly.

PDM and PLM systems offer search, but success depends on properly structured and consistent data formats, and those systems can only search within their own infrastructure. Inforbix is product data agnostic: it can access structured and unstructured data located anywhere in a manufacturing company (CAD files, Excels, PDM, PLM, ERP, CRM and more). Inforbix apps are not meant to replace Product Data Management (PDM) systems; they will co-exist and extract data from them. However, for small companies without PDM systems, Inforbix apps can provide a useful and affordable alternative. For larger companies, Inforbix apps are the “glue” that connects all companywide product data together in meaningful and helpful ways. Inforbix apps are cloud-based and fast to deploy, require no data migration or maintenance, and provide data security by preserving the on-premises data without touching it or moving it into the cloud.

The primary products, Inforbix Search—which finds and accesses product data quickly and easily—and Inforbix Tables—which assists you in presenting product data in useful and meaningful ways—are but the first in series of many product data apps. The company also in January 2012 debuted the first mobile platform for using the Inforbix system, an app for the iPad. The apps require no training or prior experience to use: Inforbix access is through a web browser.

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Konica Minolta to Present User Track Paper on Evaluating, Selecting EVE's ZeBu During 49th Design Automation Conference

31 May 2012

WHO: Takashi Kawabe from Konica Minolta Technology Center, Inc. of Tokyo, Japan

WHAT: Will describe how Konica Minolta evaluated and selected EVE's ZeBu-XXL and ZEMI-3 transactor compiler to implement in its transaction-based co-emulation methodology during a User Track presentation at the 49th Design Automation Conference (DAC)

WHEN: Thursday, June 7, from 9-10:30 a.m.

WHERE: Moscone Center, Room 303, San Francisco.

EVE will demonstrate the ZeBu system-on-chip (SoC) hardware-assisted verification platform in DAC Booth #1926 Monday-Wednesday, June 4-6, from 9 a.m.-6 p.m. For more information about EVE or to register for a demonstration of its hardware/software co-verification platforms, go to: www.eve-team.com. Details on EVE's DAC events are found at: www.eve-team.com/documents/DAC2012/events.html

DAC's website location is www.dac.com

About EVE

EVE is the worldwide leader in hardware/software co-verification solutions, offering fast transaction-based co-emulation and in-circuit emulation, with installations at five of the top six semiconductor companies. EVE products shorten the overall verification cycle of complex integrated circuits and electronic systems designs, and can be integrated with transaction-level ESL tools and software debuggers, target hardware systems, as well as Verilog, SystemVerilog and VHDL simulators. EVE is a member of OCP-IP, the MIPI Alliance and Si2, along with ARM, Mentor Graphics, Real Intent, Springsoft and Synopsys Partner programs. Its United States headquarters is located in San Jose, Calif. Corporate headquarters is in Wissous, France. Other offices are located in India, Japan, Korea, Taiwan and Tunisia. Visit EVE online at: www.eve-team.com

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Mentor Graphics Announces Program for the 12th Annual Automotive Integrated Electrical Solutions Forum (IESF 2012)

29 May 2012

Mentor Graphics Corp. today announced the agenda for its twelfth annual Integrated Electrical Solutions Forum. IESF 2012 is a day-long, free conference which covers all aspects of electrical and electronic design/simulation within the automotive, commercial vehicle, and off-highway industries. IESF 2012, now with expanded sponsorship from IBM and SAE International, takes place on June 14, 2012 at the Hyatt Regency Hotel, Dearborn, Michigan, USA.

The IESF program includes numerous industry presentations, breakout tracks on specialist topics, an expanded solutions exposition, product demonstrations, and networking events. IESF continues to be the only event with tracks dedicated to wire harness design and engineering in the automotive sector. New this year are full technical tracks on automotive embedded software and electronic thermal design.

Attendees may choose from 42 sessions to fill their day; a sample of guest topics includes the following:

- *The Challenges of Virtual Analysis Tool Adoption in the Automotive Industry* – Mircea Gradu, Vice President, Powertrain Transmissions and Driveline Engineering, Head of Virtual Analysis, Chrysler Group LLC
- *The Auto Sun is Rising – The Future of Technology in the Automotive Industry* – Dr. David E. Cole, Chairman, Auto Harvest and Chairman Emeritus, Center for Automotive Research
- *Successful Integration of Electrical Distribution Design Tools through Partnership between OEM and Wire Harness Manufacturer* – Tom Lefler, Business Development Engineering Manager, LEONI Wiring Systems
- *Strategic Reuse - A Fundamental Approach for Success in EE Engineering* – Brett Hillhouse, WW Systems Executive, IBM
- *Today's Electrical in Heavy Duty Trucking: Stout, Sophisticated, and Extreme* – Craig Gerstenberge, Senior Project Engineer, Peterbilt Motors Company
- *EE Design Automation/Integration Strategy for Robust Design* – Michael Varnau, Technical Fellow/Technical Manager, Electrical Simulation and Magnetics Design, Power Electronics, Delphi Automotive Systems
- *The GENIVI Alliance: Open Source Collaborative Development in IVI* – Steve Crumb, Executive Director, GENIVI Alliance
- *Industry Update: Electrical and Electronics 2012 Industry Trends and Observations* – Paul Hansen, The Hansen Report
- *Managing the Complexity of Automotive EE Design the Standards Way!* – Dr. David Schutt, Chief Executive Officer, SAE International
- *The Current Health and Future of the Automotive Interconnect Industry* – David Pheteplace, Managing Director, Cable Assembly Division, Bishop & Associates

For more information or to register, visit <http://www.mentor.com/iesf>.

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Optimization of the Interoperability Process at PlanetPTC (Theorem Solutions)

31 May 2012

Theorem Solutions participation at the 2012 **PlanetPTC Live event in** Orlando, USA will focus on educating PTC users how Theorem can optimize aspects of the interoperability process with their CAD data translators and Automation Solutions.

Theorem's products help to streamline collaborative working within OEMs and their supply chains. They provide enhanced communications and interoperability between disparate engineering systems and have been solving incompatibility data issues for more than 20 years!

With Theorem's Partner Advantage Gold status as an indicator of the longstanding relationship between Theorem Solutions and PTC a wide range of Theorem products are available to benefit the PTC user, covering CAD to CAD translation, CAD to Visualization translation, Technical Publications and time, money and resource saving Automation Solutions.

Theorem's unique CATIA V5 Adapters for Creo View as well as translation solutions that enable the import of foreign data into Creo Parametric from CATIA V5, CATIA V4, NX and JT will be available for demonstration. Other products in the portfolio include CATIA V5 to IsoDraw for users of Technical Publications.

Users of PTC's CADDs software can benefit from the knowledge that a selection of translation solutions are available to import data from CATIA V5, CATIA V4, IDEAS and NX but more so the tailored automated migration and long term data archiving solutions that enable the use of legacy data in the latest generation design systems.

With the growing need to automate and manage interoperability processes which include collection of data, translation, verification, distribution, archiving and production of audit trails Theorem can tailor a solution to any requirement that fits to predefined in-house processes.

We look forward to welcoming you to the event, but if you are unable to visit us and would like further information about our products & solutions, or a free web demo, please visit our website: <http://www.theorem.com>

About Theorem Solutions

Theorem Solutions is a long established World leading supplier of services and products that solve a range of engineering data problems for the design and manufacturing communities. Formed in 1991, to address CAD data translation issues, Theorem has gone on to master this challenge and deliver cost saving solutions and consultancy to engineering and manufacturing OEMs and their suppliers

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throughout the world.

Theorem's CADverter family of translators provide interoperability capabilities between all of the major CAD systems, providing a comprehensive exchange of data including geometry, attributes and product manufacturing information.

Partner to all major CAD vendors and with the use of vendor supported development environments Theorem's CADverter products ensure that the data being processed conforms to the specific requirements of the various applications. In addition, as the vendors improve their respective propriety file formats, their supported development environments remove all risks associated with database changes and guarantee to keep pace with the changes they make.

Design, Engineering and Manufacturing companies use Theorem's consultancy and products to automate and take cost out of collaborating with business partners and they range in complexity from one to one partnerships to solutions for supply chains with hundreds of companies.

As well as enabling interoperability between trading partners Theorem also provides process automation solutions that are used "in house" for tasks such as CAD data migration and long term archiving. These save time and money by streamlining and eliminating the labour intensive tasks involved in translating and managing engineering and manufacturing data, help protect IP and also enable the capture and retention of skills which might otherwise be lost through employee mobility or retirement.

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Software Factory to Showcase Automation Tools for Windchill at PlanetPTC Live in Orlando

29 May 2012

Software Factory will demonstrate the latest versions of productivity solutions for Windchill at PlanetPTC Live 2012, Rosen Shingle Creek Hotel, Orlando, FL, USA on June 03-06, 2012.

You have Windchill and SAP and you are looking for an automated data exchange between both systems? SAP Interface for Windchill provides a standard interface for this use case.

Are you facing the change from Pro/INTRALINK 3.x to Windchill and do you need a tool to check the migrated data fast and automatically? Or do you need a tool to check the data quality of Windchill and Pro/ENGINEER or Creo™ version updates? For these tasks VALIDATE for Windchill is the smart, fast and automated solution for you.

Do you want to merge or to split your Windchill engineering data? MERGE for Windchill covers these use cases as well as moving or distributing objects between Windchill databases, archiving or sourcing out projects and sharing or merging library parts.

CIMdata PLM Industry Summary

Do you have employees and colleagues, who do not have experience with the application of Creo, but who need drawings, set of drawings and 3D models for their tasks in all sorts of neutral format? iPLOT/iEXPORT for Windchill gives you an integrated and simple surface in Windchill and with that a simple and protected access to the required data. Objects can be searched, selected and exported or printed directly in an eligible neutral format.

Do you want to automatically create plot files triggered by events (e.g. by a promote of a drawing) for subsequent processing in third party systems? Then our solution for this task is PLOT/EXPORT for Windchill, a modular and scalable plot engine for Windchill and Pro/INTRALINK. PLOT/EXPORT for Windchill additionally produces an attribute file with the drawing objects' meta data and supports all Creo plot formats.

Stop by booth 332 and meet the Experts. Check out our FreeTools for Creo at www.sf.com

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Financial News

Aspen Technology to Webcast Investor Day

31 May 2012

Aspen Technology, Inc. today announced that it will host an Investor Day on Thursday, June 7, 2012 at the AspenTech Worldwide Headquarters in Burlington, MA.

The AspenTech Investor Day presentation will begin at approximately 9:00 a.m. Eastern Time, and is expected to conclude at approximately 12:00 p.m. Eastern Time. AspenTech executives presenting at the event will include Mark Fusco, President and Chief Executive Officer; Mark Sullivan, Chief Financial Officer; and Manolis Kotzabasakis, Executive Vice President, Products.

The management team will discuss the Company's financial and operational performance, key corporate strategies, the addressable market opportunity, and the Company's business outlook.

The presentation will be webcast live and available for a limited time on the Investor Relations section of the Company's website at www.aspentech.com.

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Atos Ordinary Shareholders' Meeting

30 May 2012

Atos, an international IT services company, today held its Annual Shareholders' Meeting chaired by Atos Chairman and CEO, Thierry Breton.

All resolutions submitted by the Board of Directors have been approved by a large majority. In particular, the shareholders:

Approved with a majority of 99.70%, **the change of status from an SA (French *société anonyme*) to an SE (*Societas Europaea*)**. Following the acquisition of Siemens IT Solutions and Services on July 1, 2011, Atos became a European IT champion. The new Atos has been enriched and strengthened through the addition of people, data centers and offices in Germany, Northern, Eastern and Central Europe. 85% of Atos revenue is now generated within Europe and 75% of employees are based there. Both revenue and employees are equally spread across the key countries for Atos (Germany, France, UK, Netherlands, Spain, Austria, Central Europe and Scandinavia). 85% of clients are either European blue-chip organizations or European Governments. The shareholders therefore approved the change of the Company's legal status in line with its new European dimension;

Approved the dividend payment of €0.50 per share and the option for payment of the dividend in either shares or cash. Shareholders may opt for payment in shares between June 6 and June 20, 2012 inclusive by addressing their request to their financial intermediary. The issue price of new shares pursuant to exercise of the option of payment in shares was fixed at €0.17. The share will be paid in cash or shares as from July 2, 2012;

Approved all term of office renewals and appointment of all directors as proposed.

At the Board of Directors meeting held after the Annual General Meeting, it was decided to:

- renew the term for Thierry Breton's tenure as Chairman and CEO for the duration of his mandate;
- renew the mandate of the Reference Director, Pasquale Pistorio;
- confirm the composition of the Audit Committee and of the Nomination and Remuneration Committee.

The voting results of the Annual General Meeting are available on the website: www.atos.net

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CIMdata PLM Industry Summary

Autodesk to Webcast Its Annual Meeting of Stockholders

31 May 2012

WHAT: Autodesk, Inc. today announced that it will broadcast its annual meeting of stockholders live via its website on Thursday, June 7th at 3:00 p.m. Pacific Time.

DETAILS: A live webcast and audio archive will be available on www.autodesk.com/investors.

CONTACT: For more information, please call Autodesk Investor Relations at 415-507-6705.

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AVEVA Group PLC Preliminary Results for the Year Ended 31 March 2012

28 May 2012

AVEVA Group plc today announces its preliminary results for the year ended 31 March 2012.

Financial highlights

	2012	2011	% Change
Revenue	£195.9m	£174.0m	13%
Adjusted* profit before tax	£62.3m	£54.7m	14%
Profit before tax	£57.7m	£49.8m	16%
Adjusted* profit before tax margin	31.8%	31.4%	
Basic earnings per share	58.86p	50.85p	16%
Adjusted* basic earnings per share	63.81p	56.08p	14%
Net cash	£178.9m	£153.2m	17%
Final dividend per share	17.0p	14.89p	14%

Operational highlights

- Strong performance in Engineering & Design Systems
- Significant growth in Americas (+24%) and EMEA (+21%)
- Enterprise Solutions strong momentum
- China successfully re-organized, growth back on track
- Strong financials – cash conversion 115%, recurring revenue 70%
- Increased investment in new technology and products
- Focused M&A strategy

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Implementation Investments

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BRP Selects aPriori's Product Cost Management Platform

29 May 2012

aPriori today announced that BRP (Bombardier Recreational Products Inc.), a leader in motorized recreational vehicles, has selected aPriori's software platform to help identify product cost savings and shorten the time it takes to realize cost reductions in production. The software platform will be used in product engineering, cost engineering and sourcing to lower the cost of new and existing products.

aPriori's Product Cost Management software platform is a flexible and powerful costing engine that enables engineering, manufacturing and sourcing personnel to quickly and precisely determine the cost of a part or product by automatically pulling geometric and feature information from a computer-aided design (CAD) model. The software also leverages intelligent cost models to determine reasonable default inputs once the user has selected the manufacturing process, materials and the factory or region where a product or part will be produced. As a product evolves through the development lifecycle, users have the ability to refine the cost by providing detailed inputs and overriding defaults to create a should-cost for negotiation or a manufacturing estimate. Using this new level of cost knowledge, companies can make more informed design, production and sourcing decisions and significantly reduce product costs without impacting product quality.

“aPriori's real-time cost assessments will provide our personnel with powerful data and tools to identify quantifiable savings in material, tooling, labor and overhead when evaluating alternative designs, manufacturing processes and sources,” said Christian Lecomte, vice president, Procurement for BRP. “This enables them to make well-informed decisions to drive significant costs out of products both pre- and post-production.”

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“aPriori provides true cost visibility to everyone in the organization that impacts cost,” said Stephanie Feraday, president and CEO of aPriori. “This enables BRP to attack cost at every opportunity and translates into bigger savings opportunities, earlier in the product lifecycle.”

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Edgecam Makes Classic Racing Engines Go Faster

28 May 2012

An engine manufacturer for classic motorcycles says 4-axis machining driven by Edgecam toolpaths helps him produce faster engines and win more races.

Patrick Walker, the technical partner of Works Racing Motorcycles Ltd, personally machines the major castings and a number of internal parts for perfect replica engines of the classic Manx Norton racing bike from the late 1950s and early 1960s.

His racing team promotes the engine-building side of the business, as he says the race track is the only place to measure their success. “We design and manufacture historic racing Norton motorcycles, engines and parts aimed at the highest level of classic bike racing. Because we win so many races with our own replica bike – ridden by former World and British Classic Champion Glen English – the motorsport industry knows our engines are superior to those of our competitors.”

Classic racing regulations state that although the bikes and engines are new, they must be exact replicas of the originals, and he makes both 500cc and 350cc versions. But he says the market leading Edgecam CNC software means he can machine the components and castings to a higher degree of accuracy, giving the engines much more horsepower.

“The combustion chamber in the Norton’s cylinder head is a perfect example of how Edgecam is helping the industry to develop by making the bikes go faster. Originally the chamber would have been drawn manually around 1957, and a patternmaker would make the pattern with wood using chisels. I created the CAD model for the new engine and sent it to my patternmaker who cut the tooling, and the raw casting has the machining allowances on it. I open the CAD file in Edgecam, which is associative, so any design changes or other amendments are automatically updated.

“I then use Edgecam to produce the cutter paths for the roughing, semi-finishing and finishing operations.” When he has the machining sequence he wants, he runs Edgecam’s on-screen simulation program, which he says is absolutely vital. “I’m machining expensive parts from aluminium, steel and bronze, and even experienced machinists can have the occasional collision, but Edgecam prevents that.” He then generates the CNC code for the Haas Minimill 2 at his Stratford-Upon-Avon workshop, but still ‘dry-runs’ the job by stop-setting it in the Z to watch the tool run around before machining.

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Never having personally undertaken CNC machining until three years ago, he found his original CAM software too complicated. “Even the simple things had to be done in a complicated way, and – as I’d learned G-code – if a part wasn’t too complex I’d write the code in longhand. Then I switched to Edgcam and found it so easy, especially after the excellent training and support during my learning curve, that I always use it now, whether the part is simple or complex.”

As Norton’s official historic racing partner, his relationship with the company is likely to increase in the coming year as he is now starting to produce the completed bikes – not just the engines – in conjunction with Norton’s new factory at the Donington Park racing circuit. At the moment he sells all 500cc and 350cc parts for a Norton racing engine on his website www.worksracing.co.uk and by the end of the year he will also be manufacturing and selling every part of the chassis as well.

Patrick Walker also provides engine design and manufacturing consultancy for the wider motorsport industry. He recently machined a bell housing made from a 60-kilo billet for a competitor in the British Team Touring Car Championships. “Many people said that was a crazy part to machine from solid – it would normally have been cast. But Edgcam made it so easy.”

He also used Edgcam to machine a replica top yoke from solid for a Matchless G45 racing motorcycle. “My customer had an extremely valuable bike, but without a top yoke. He borrowed a yoke, I modelled it, then machined a few from solid. Edgcam gives me the ability to machine parts like this from solid instead of having them cast.”

His first job in motorsport was working at Norton alongside the legendary pioneering motor cycle engineer Doug Hele. “This is ironic,” he says, “because Doug undertook the final development of the original engine that I now make.” Patrick Walker was also involved in developing engines for supercars such as the Jaguar XJ220 and Aston Martin DB7, and a number of other racing engine programmes, before setting up his own engine development company, Maxsym Engine Technology, in 1994, and taking the decision to start Works Racing Motorcycles Ltd during the Goodwood Revival in 2008.

“Many of my competitors don’t use CAM – they use manual CNC machines, and it’s not possible to produce something like my combustion chamber without Edgcam. This is a complicated 3D shape which couldn’t be programmed by hand. The traditional method of making it would be to turn it on a lathe, but that is limiting because you can only produce a circular profile. With Edgcam I can increase the horsepower, meaning my USP is that my engines are significantly faster and win more races.”

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Excelled Sheepskin & Leather Rolls Out NGC's PLM and Supply Chain Management Software for All Its Brands, Including Rogue and Reilly Olmes

30 May 2012

NGC® Software today announced that Excelled Sheepskin & Leather Coat Corporation has completed rolling out NGC's Extended PLM software. Excelled implemented NGC's software throughout all the company's brands, including Reilly Olmes and Rogue, a contemporary menswear brand worn by numerous actors, rock stars, and other celebrities.

Prior to implementing NGC's software, Excelled relied on spreadsheets to manage production of 300,000 SKUs for all of its brands -- an overwhelming task. The completed spreadsheets with photos, measurements and other attachments often exceeded 200MB, making them too large to email and resulting in long communication delays with Excelled's factories. As a result, deadlines and deliveries routinely ran late, so Excelled began searching for a more streamlined, efficient system for PLM and supply chain management.

After reviewing numerous PLM systems, Excelled selected NGC's Extended PLM, a PLM/supply chain management solution that covers every step of the complex product lifecycle, from line plan to product adoption. "The fact that NGC's Extended PLM is web-based was a big plus for us," said Enrico Bozzetti, IT director for Excelled Sheepskin & Leather Coat Corporation. "A lot of PLM software isn't web-based. We needed a solution that would allow us to communicate in real-time to factories in the middle of nowhere."

Excelled is already seeing a number of benefits from NGC's software, including:

Enhanced Communication and Collaboration, Faster Speed to Market. With NGC's Extended PLM, Excelled has dramatically improved communications with its factories, resulting in faster speed to market and better supply chain collaboration.

"With NGC, all our communications are centralized, and we can have multiple people collaborating on projects in real-time," Bozzetti said. "Once a style is set up, we can enter measurements and other information, even while our team is still collaborating on the number of pockets, buttons and other details. The information is immediately available to our factories; they can look at the construction details and guidelines and then quickly provide cost breakdowns. Once we approve the estimates, we can post PO's on the system, see when they're accepted, and be alerted of any discrepancies, allowing us to quickly resolve any issues."

NGC's system also provides continually updated information on shipments, enabling Excelled to track the vessel bringing in the containers and proactively notify the warehouse about incoming shipments.

Replacing Spreadsheets with Streamlined Processes. NGC's system has helped Excelled eliminate manual processes and the company's "old-fashioned way of managing logistics," according to Bozzetti. "We wanted to move away from using Excel to manage production; the shift away from Excel was the

CIMdata PLM Industry Summary

main thing we were looking for, and the benefits are huge," he said. "With NGC's software, our users can log into system and see at a glance the PO's that are late, instead of having to manually sort through reports. Our management team now has full visibility into the production process, which has created much better communication between our sales team and the warehouse."

Integrated quality. NGC's system will also allow Excelled to improve quality control and drive increased customer loyalty for the company's popular brands. Factories can log into NGC's system, pull up the styles in the tech packs, and check to ensure that all the measurements are correct. The system also manages quality audits, enabling production problems to be identified and corrected at the factories before the products ship to consumers.

"Excelled Sheepskin & Leather has an unsurpassed reputation in leatherwear, with the hottest and most fashionable brands in the industry," said Mark Burstein, president of sales, marketing and R&D for NGC Software. "NGC is proud to be working with Excelled, and we look forward to continuing to help drive new productivity and efficiency throughout their organization."

About Excelled Sheepskin & Leather

Founded in 1927, Excelled Sheepskin & Leather Coat Corporation is the undisputed leader in the leather industry, with total annual sales in excess of \$80 million. Excelled manufactures and markets licensed collections for CHAPS and other top brands; produces men's, women's and children's products under its own proprietary labels; successfully targets upscale markets through its joint venture with contemporary design team Reilly/Olmes; and conducts extensive business as a resource for private label, direct marketing and premium marketing. For more information, visit www.excelled.com

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Formaplex adds Delcam CAM Software

28 May 2012

Portsmouth-based manufacturing group Formaplex, a specialist in high-end automotive injection moulding, machining and composite technologies, has added Delcam's PowerMILL CAM software for five-axis machining and FeatureCAM feature-based programming system, as part of a continuing expansion of the company's capabilities. Formaplex has used Delcam's PowerSHAPE CAD software for many years for the design of patterns, jigs, fixtures, composite lay-up tools and moulds of all types, including injection, RTM and RIM tooling.

PowerMILL will be used to program a new five-axis CMS Poseidon machining centre in Formaplex's Foxhound Facility. The Facility was set up in early 2010 at a dedicated 14,000 sq.foot premises in Horndean and was an important stage in the diversification of Formaplex's customer base. The company's key role in the development of Force Protection Europe's Foxhound, a light-protected patrol vehicle that provides unprecedented levels of survivability for troops facing IEDs and other threats, has been a fantastic addition to its capabilities. Formaplex was subsequently awarded a contract to supply

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200 of the blast-proof pods that protect the crew and passengers of the vehicle with further orders to follow. The focus on machining of composite components for military vehicles at the facility will now diversify into other market sectors within the defence arena.

FeatureCAM has been added to support two Doosan mill-turn machines, one Puma and one Lynx, within the same division, also manufacturing component parts for the Foxhound vehicle. These operate around the clock to produce all types of components in various materials, including steels, aluminium, composites and plastics.

The order was confirmed earlier this month by Ian Wilson, one of the original co-founders of Formaplex and now the company's Projects Director.

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Mentor Graphics and GLOBALFOUNDRIES Collaborate on 20nm Fill Solutions Based on Calibre SmartFill

29 May 2012

Mentor Graphics Corporation today announced that GLOBALFOUNDRIES will use the SmartFill facilities of the Calibre® YieldEnhancer product to enable advanced fill techniques for 20nm manufacturing processes. The multi-layer fill analysis and cell-based fill generation capabilities of the SmartFill system help designers deal with complex fill interactions at advanced nodes with minimal impact on circuit performance. Moreover, Calibre SmartFill delivers greatly reduced post-fill GDS database size and faster runtimes compared to traditional dummy fill. Used with the design kit provided by GLOBALFOUNDRIES, Calibre SmartFill allows designers to meet IC fill constraints in a single pass without manual customization or modification, further reducing tape-out cycle times.

“At 20nm the fill strategy becomes much more sophisticated because it's no longer just about planarity,” said Maq Mannan, director of PDK development at GLOBALFOUNDRIES. “Besides CMP-ECD issues, you have to consider a whole range of interrelated effects, such as etch, lithography, stress, rapid thermal annealing (RTA) and other issues essential to successful manufacturing. Calibre's integrated fill analysis and cell-based approach makes fill more precise, while achieving target runtime and output file size.”

GLOBALFOUNDRIES' 20nm-LPM technology is a comprehensive and cost-effective platform, delivering up to 40% performance improvement and twice the gate density of 28nm. The company's Fab 8 in New York began running full-loop 20nm silicon in January, and silicon delivery is expected in 2H 2012.

New Capabilities for Advanced Fill Requirements The Calibre SmartFill solution provides advanced capabilities such as multi-layer fill shapes and user-defined fill cells, which are automatically inserted into a layout based on analysis of the design. It also supports continuous, multi-dimensional functions in

CIMdata PLM Industry Summary

place of linear pass-fail conditions, resulting in finer resolution of complex fill algorithms that cannot be performed with single-dimension design rules alone. This allows customers to simultaneously optimize for multiple factors such as density and perimeter.

The SmartFill capability fits seamlessly into the customer's existing design environment, enabling timing-aware fill with back annotation of fill shapes into all leading design databases to support final timing verification. The SmartFill product also allows customers to define a list of critical nets that require special treatment during the fill procedure.

“Precise fill capability is rapidly becoming one of the most critical aspects of design for manufacturing at advanced nodes, and designers need more sophisticated tools to make sure that fill is optimized to meet multiple requirements,” said Jean-Marie Brunet, director of product marketing for Calibre DFM at Mentor Graphics. “The combination of GLOBALFOUNDRIES design kits and the Calibre SmartFill product gives designers a solution that creates the exact amount, shape and location of fill, not only to ensure that layouts meet complex manufacturing requirements, but also to maintain their design intent.”

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Mentor Graphics' Calibre SmartFill Addresses TSMC 20nm Fill Requirements

30 May 2012

Mentor Graphics Corporation today announced TSMC will use the Calibre® SmartFill solution to achieve TSMC's fill requirements for its 20nm manufacturing processes. SmartFill analysis and automatic filling capabilities in the Calibre YieldEnhancer product address new 20nm fill requirements that cannot be achieved with traditional dummy fill approaches. The Calibre SmartFill solution delivers smaller post-fill GDS database size and faster runtimes, allowing designers to meet IC fill constraints in a single pass without manual customization or modification, and with minimal impact on circuit performance.

New Capabilities for Advanced Fill Requirements

The move to more advanced nodes has pushed fill requirements beyond traditional fill approaches. In addition to improving planarity, fill now needs to handle CMP-ECD, etch, lithography, stress and rapid thermal annealing (RTA). A more advanced solution must deal with those effects concurrently and still provide ease of use and design flow integration.

The SmartFill capability in the Calibre YieldEnhancer product provides advanced capabilities such as multi-layer fill shapes and user-defined fill cells that are automatically inserted into a layout based on analysis of the design. It also supports continuous, multi-dimensional functions in place of linear pass-fail conditions, enabling finer resolution of complex fill algorithms that cannot be performed with single-dimensional design rules alone. This allows customers to simultaneously optimize for multiple factors such as density and perimeter.

The SmartFill solution fits into the customer's existing design environment with back annotation of fill

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shapes into all leading design databases to support final timing verification. It also allows customers to define a list of critical nets that require special treatment during the fill procedure.

“Adding fill to advanced IC layouts is about much more than just controlling planarity in manufacturing,” said Jean-Marie Brunet, director product marketing for Calibre DFM and Place-and-Route Integration at Mentor Graphics. “Calibre SmartFill gives designers a fast and automated solution that creates the precise amount, shape and location of fill, not only to ensure that layouts meet complex manufacturing requirements, but also to maintain design intent.”

“We continue to work with Mentor to meet new fill challenges as we move to each successive process node,” said Suk Lee, TSMC senior director, Design Infrastructure Marketing Division. “At 20nm an effective fill strategy is important for successful manufacturing. Calibre’s integrated fill analysis and cell-based approach makes fill more precise and makes writing fill decks easier, while achieving target runtime and output file size.”

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World’s Major Copper Producer selects AVEVA NET

29 May 2012

AVEVA today announced that the Vice Presidency of Projects (VP) at Chile’s state-run Corporación Nacional del Cobre (CODELCO) are using AVEVA NET as its information management solution for the execution of important capital projects in Chile. This follows an extensive evaluation against several competitors.

AVEVA NET is enabling CODELCO, for the first time, to bring together and analyse crucial engineering data from different systems involved in the execution of the projects into a single view. This gives the mining company improved efficiency, greater information control and thereby improves data access, accuracy and consistency throughout the operation. The company expects to achieve increased productivity, improved decision-making capabilities and to reduce costly rework.

Eugenio Gómez Retamal, Technology Platform Director for CODELCO VP explained, “AVEVA NET serves as our centralized portal in which all the information created by the contractors may be visualized and reported on. Although this is a fraction of what the system can do, it already addresses one of CODELCO’s crucial pain points: allowing several people in different locations to visualize and perform markups on the engineering documents and 3D Models regardless of its source. In addition, AVEVA NET enables CODELCO to more quickly understand the data it receives from contractors, allowing rapid decisions that enhance all of VP’s existing procedures.”

Luis Maturana Leighton, Functional Specialist Engineer, CODELCO VP added, “AVEVA NET delivered excellent results on a very tight schedule, and in a scenario where most of the software involved came from third-party companies.”

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Santiago Pena, Senior Vice President - Latin America, AVEVA said, “This solution will allow CODELCO to accurately and efficiently manage very large amounts of data with total interoperability between several different and previously incompatible systems. AVEVA NET’s abilities will prove beneficial in every phase of their operations – from FEED to commissioning.”

AVEVA NET is a powerful, ISO 15926-compliant Information Management solution from the AVEVA Enterprise portfolio that automatically controls, links, evaluates and makes available all types of engineering and associated data and documents, regardless of application and format. Its ability to reduce the time spent manually searching for information and its ability to link related items of information together have been proven to save businesses millions in productivity, decision making and rework.

CODELCO owns and operates several mines throughout Chile and is the largest copper mining operation in the world, according to the company.

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WorkNC Brings Fast and Reliable 5-axis Machining to Shanghai Volkswagen Automotive

30 May 2012

Shanghai Volkswagen Automotive (SVW) selected WorkNC CAD/CAM software for mold and prototype production after trials which lasted nearly 12 months and demonstrated the unparalleled reliability of its toolpaths. Volkswagen was a pioneer in the Chinese automotive industry, starting its collaborative activities 30 years ago.

WorkNC selected on several criteria

SVW chose WorkNC for its ease of use, flexibility, speed, reliability and 5- axis programming. The company uses the software on its Zimmermann, Okada and Heidenhain machines and controls. Within the software, the users have created a simulation of each of the machines, which makes it possible to anticipate and avoid out of travel conditions and prevent collisions with the tool, the holder, the workpiece and the machine tool itself.

Workforce efficiency

The company has found that it can train its engineers to become competent in the use of WorkNC within 1-3 days. This increases the number of people proficient in its use, maximizing the efficiency of the workforce and ensuring that the software is used to its fullest extent, without using up excessive amounts of productive time on training.

Collision avoidance

The variety of work SVW produces through WorkNC is huge, so the ability to check and verify the CNC code is extremely important, especially as batch quantities are very low for prototype production. Collision detection and avoidance geared to the individual machine tool ensures that this checking stage

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is error free. To help finalize the cutterpath, WorkNC creates both the collided and uncollided toolpath, as well as information about the most appropriate tool length required to finish the job.

Automatic and reliable

The software has more than 60 toolpaths available which automatically generate safe cutting strategies. The ergonomic and graphical interface ensures that each toolpath has a common and intuitive way of working, automating the process and minimizing the possibility of error, even for inexperienced users. This results in a standard and predictable approach to machining methods. To further automate the process, particular sets of cutting strategies can be stored as one command, capturing the experience of the most skilled machinists. By using this captured information, SVW can ensure that toolpaths are both reliable and accurate.

Fast calculation times

WorkNC incorporates parallel processing, multi-threaded algorithms which speed up calculation and processing times by a factor of 10. SVW carried out trials on its Zimmermann machine using WorkNC Global Roughing and Re- Roughing; Planar Finishing; 3D Drive Curve machining; and 5-axis Normal to the Surface machining strategies, with cutters ranging from 30mm diameter down to 1mm diameter. The total calculation time for WorkNC was 22 minutes compared with 8.5 hours for another CAM software system.

High accuracy 5-axis algorithms

To achieve accuracy on the finished part, SVW makes use of WorkNC's 5-axis machining capabilities. Previously the company would use 3 and 3+2 axis techniques for its final picking-out toolpaths. The disadvantage with this method of manufacture is the errors that build up when repositioning the component and from vibration within the machine structure. This can lead to a mismatch in the toolpath where it has to be stopped and restarted again after repositioning a rotary axis. WorkNC includes new high accuracy algorithms for processing the part model enabling the toolpath to be completed in one smooth 5-axis movement, eliminating the possibility of discontinuities in the finished part. WorkNC Auto 5 makes programming 5-axis toolpaths even easier. With this software, SVW can simply create a 3-axis toolpath for the job and then use WorkNC Auto 5 to automatically transform it into a full 5-axis cutter path. As part of the system, WorkNC considers the kinematics of the individual machine tool, inserting flip and rotate movements when the axis limits have been reached, avoiding any potential collisions and taking into account the fastest axes on the machine to minimize cycle times.

WorkNC in the Chinese automotive industry

As well as SVW, WorkNC is already used by leading automotive OEMs worldwide and, in China, is used by major companies such as Shandong Weifang Foton Mould Co. Ltd, China's largest manufacturer of molds for automotive body parts; Shanghai Superior Die Technology Co. Ltd (SSDT), part of SAIC; and the Yutong Bus Company, one of China's 500 top enterprises which has the capacity to manufacture 180 buses per day. All of these companies have benefitted from the accuracy and reliability of WorkNC which has enabled them to produce molds and dies with the minimum of effort and in a much shorter space of time.

The growth in the Chinese automotive market has recently been emphasized by a contract signed between the Volkswagen Group and its Chinese partner SAIC to build a new plant in Urumqi, Western China. The successful implementation of WorkNC at SVW will generate significant new opportunities for SESCOI which has shown it can offer ground breaking CAM technology to Chinese engineers.

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Product News

Announcing CYA SmartRecovery v6.0 for EMC Documentum

31 May 2012

enChoice Inc.®, today announced the availability of CYA SmartRecovery™ for EMC Documentum version 6.0. This new release of CYA SmartRecovery enables customers to protect their information from data breaches by preserving Documentum content encryption and improved backup performance with the introduction of DirectCopy backup mode.

EMC Documentum is managing critical data and insuring recovery and security is a top priority for organizations. A study from the Ponemon Institute reveals that the average cost of a data breach increased by seven percent to \$7.2 million in 2010. Enterprise ITPlanet.com observed, "what used to be a straightforward process of loading data onto tape, cataloging it and storing it away, either on-site or off-premises, has become a critical item on security and compliance checklists."

EMC Documentum Trusted Content Services protects this data by automatically encrypting the content files for the user. With this new version of CYA SmartRecovery, it will back-up the content via the DirectCopy back mode and store the encrypted backup copies. This insures information is secured and helps avoid any external breaches. In addition, DirectCopy backup mode will improve performance by performing the backup at the operating system layer which will yield faster backup & recovery times.

A Real Life Incident - IEEE, the World's largest Professional Technical Association implemented EMC Documentum to streamline and automate their editorial/production process. After the ECM implementation, IEEE had three incidents where a loss of critical business information occurred. One incident resulted in 80 articles being destroyed, including all of the subfolders, lifecycle states, digital signatures, workflow events and any other related metadata. This resulted in over 2 weeks of work effort and a loss of tens of thousands of dollars.

IEEE deployed CYA SmartRecovery to more effectively protect documents and their business processes. Since deploying CYA SmartRecovery, IEEE has experienced as least 8 incidents where information was deleted, missing or corrupted that needed to be restored. Today, with CYA SmartRecovery one person can recover lost documents in minutes what would normally take hours if not days. The result was payback of their investment in only a few months.

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CYA SmartRecovery is an ECM application-aware solution that complements existing backup technologies by providing hot, synchronized backups and granular recovery of Documentum repository information. This facilitates compliance by insuring data integrity, meeting or exceeding service level agreements (SLAs), and safeguards against logical failures by enabling one, several, or thousands of objects to be restored back into the repository in their original state without taking Documentum offline. It also works seamlessly with traditional backup solutions such as EMC NetWorker, IBM Tivoli Storage Manager (TSM), and Symantec NetBackup to reduce data loss window to just 15 minutes in the event of a disaster.

“This release provides not only the operational recovery customers rely on but the security, encryption and performance enhancements for EMC Documentum, said Mike Fernandes, VP Product Development at enChoice.” Now customers are insured their critical content is also safeguarded from data breaches.

To learn more about enChoice and CYA SmartRecovery, visit <http://www.cya.com> or <http://www.enchoice.com>; or call +1.203.513.3111 x501.

About enChoice

enChoice®, Inc. offers the most comprehensive range of enterprise content management (ECM) solutions and services available, from system design and installation to deployment, hosting, and single-point-of-contact support. Leveraging our certified ECM and CYA Software Groups, solutions are offered for a wide range of business needs including content management, business process management (BPM), records management and data protection. enChoice solutions support ECM systems including EMC Documentum, and serve thousands of repositories at more than 300 global organizations including Affinion, Advance Auto Parts, McGraw Hill, Anchor General, Gruenthal, Honeywell and the U.S. Army.

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DFMPro for PTC Creo Doubles Design Validation Productivity (Geometric Ltd.)

31 May 2012

Geometric Limited today announced the release of DFMPro® version 3.2 for PTC® Creo® design software with configurable assembly checks for clearance and interference. The injection molding checks now support multiple pull directions for better plastic part design.

Engineers often struggle with validation of assemblies, which takes significant time and effort. . Many times, components or parts of the assembly have imported geometries, quilts or surfaces. Global clearance and interference checks, though useful for complex assemblies identification of failing components, are difficult due to too many items. Moreover, it is difficult to derive this with visual inspection.

DFMPro allows building a list of checks and standard clearance values for specific components. It allows users to run checks only on selective components and exclude unwanted areas - for example,

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interference in threaded areas. DFMPPro can display only the components failing the interference or clearance requirements. This significantly reduces the time required for the assembly validation process. The latest version of DFMPPro, DFMPPro V 3.2, now provides the ability to select required secondary pull directions. This helps avoid inadvertent undercuts and lowers tooling cost and rework. In addition, to facilitate tooling requirements, users can now control and edit the default mold-face classification using DFMPPro.

“Creo Parametric and DFMPPro provide a powerful set of tools for users to create innovative and holistic designs addressing the manufacturing and assembly requirements of a global organization. This enables early consideration of tooling requirements and supply chain manufacturing capabilities, thus helping reduce the overall cost and improve time-to-market,” said John Buchowski, VP of MCAD Product Management, PTC.

“DFMPPro integrated with Creo offers rapid design validation for components as well as assemblies. Our high tech electronics, medical devices, aerospace, automotive and industrial customers will certainly benefit with this introduction of assembly checks,” said Sameer Kondejkar, Head - Geometry Technology Solutions, Geometric Limited.

For more information about the product, please visit www.dfmp.com

About DFMPPro:

DFMPPro automates manufacturability checks for processes which helps design and manufacturing engineers validate the design quickly. It assists identification of design areas that are difficult, expensive or impossible to manufacture, assemble and service. It works on principle of ‘Right First Time’ by validating manufacturability guidelines right at the design stage. These guidelines can be easily configured as per organizational requirements in form of rules. DFMPPro supports designs based on common manufacturing processes like Injection Molding, Sheet Metal, Machining and Casting. It also facilitates a collaborative design environment by generating reports, which are compact and easy to share.

About Geometric:

Geometric is a specialist in the domain of engineering solutions, services and technologies. Its portfolio of Global Engineering services and Digital Technology solutions for Product Lifecycle Management (PLM) enables companies to formulate, implement, and execute global engineering and manufacturing strategies aimed at achieving greater efficiencies in the product realization lifecycle.

Headquartered in Mumbai, India, Geometric was incorporated in 1994 and is listed on the Bombay and National Stock Exchanges. The company recorded consolidated revenues of Rupees 8.08 billion (US Dollars 167.51 million) for the year ended March 2012. It employs over 4500 people across 12 global delivery locations in the US, France, Romania, India, and China. Geometric was assessed as CMMI 1.1 Level 5 for its software services and is ISO 9001:2008 certified for engineering operations. The company’s operations are also ISO 27001:2005 certified.

Geometric's Geometry Technology Solutions (GTS) business unit develops cutting-edge point productivity solutions that enhance design and improve manufacturing operations. The end-user products from Geometric include CAMWorks®, eDrawings® Publisher, DFMPRO®, GeomCaliper®, 3DPaintBrush™, CAMWorksXpress® and Glovius®. The key technologies from Geometric are NestLib®, Feature Recognition (FR), GeomDiff and 3DSearchIT®. Geometric licenses these technologies to OEM partners and also designs and implements customized process solutions using these technologies for industrial customers.

For further details about Geometric's GTS business unit, please visit www.geometricglobal.com/products

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IFS Applications 8 Developed Entirely Using Agile Methodology

29 May 2012

IFS launches the new generation of its extended ERP suite, IFS Applications, entirely based on an agile development methodology. By using agile methodology, customer feedback is incorporated into the system throughout the development process.

The development of IFS Applications 8, which started in September 2009, represents IFS's most significant product investment to date. The project also marks the first time in the company's history that a full-scale agile development methodology has been deployed for a new generation of IFS Applications.

By relying entirely on an agile development methodology, IFS has reduced work in progress by 60 percent, increased its deliveries by a factor of 10, and achieved a 30 percent enhancement in quality.

IFS's agile development methodology is 80 percent based on SCRUM methodology and the iterations typically run for 2-4 weeks. Toward the end of each iteration, the solution is presented to an IFS customer or customer representative, who evaluates the functionality and provides feedback on possible improvements. By focusing on the expressed need of the customer, the right solution is developed in the right way, at the right time, thereby ensuring on-time delivery, low costs and high quality.

IFS Applications 8 has been deployed at five early adopter customer sites around the world in order to test the system in a live environment. These are Brightpoint, Portsmouth Aviation, Remmele Engineering, Teracom, and VBG GROUP. The feedback gathered during the early adopter program has formed the basis for the final adjustments of the product before its release to the market.

“With our agile methodology, we are always ready to respond to changing market requirements and

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customer needs. By centering our activities on our customers, we ensure the right solution is delivered at the very highest level of quality. Agile development also means that we get closer to our customers and their needs, thereby keeping our lines of communication open for new ideas and feedback,” said Thomas Söld, VP Research & Development, IFS.

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IFS Launches IFS Applications 8 for Modern Manufacturing

30 May 2012

IFS presents its new core version, IFS Applications™ 8, featuring new and enhanced functionality for manufacturing industries. Among the innovative features are comprehensive support for aftermarket service and repair, prototype manufacturing, as well as enhanced sales configurator and shop floor reporting capabilities.

As business processes within global manufacturing industries are increasing in complexity, there is a growing demand for user-friendly and efficient enterprise applications. In response to this general trend, IFS Applications 8 offers best-practice solutions based on many years of first-hand industry experience, always coupled with leading-edge innovations in user experience as manifested in the IFS Enterprise Explorer interface.

Today, many manufacturers are facing shrinking profit margins on the goods they produce. Alternative revenue streams such as product repair and other aftermarket services are consequently becoming increasingly important. In response to the demands of manufacturers servicing their own products, or service providers specializing in repairing others’ products, IFS Applications 8 includes the brand new feature, Component MRO. The solution covers the complete aftermarket repair process, from agreement, receipt and repair to shipping and invoicing.

While constantly seeking new revenue streams, manufacturers must stay on top of the rapid changes in product demand. Prototype production continues to be important in order to meet customer expectations, ensure quality and minimize time to market. The new Prototype Manufacturing component will support companies producing small prototype series in a way that is easy to set up and execute without affecting normal production. The feature also supports companies that wish to redesign existing products or test new production technologies.

An important trend within manufacturing is the growing demand for uniquely configured products. To support manufacturers in delivering on this trend, IFS Applications 8 is equipped with an improved Sales Configurator feature. Easy to understand and use, the configurator eliminates the need for engineers to handle orders or quotations. The component leverages the system’s configure-to-order (CTO) capabilities and offers full integration with the Media Library.

Besides comprehensive support for the actual production line, an efficient manufacturing operation also needs a user-friendly and efficient reporting component. The greatly enhanced Shop Floor Reporting

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feature is easy to learn and use, promoting efficiency and quality. The tool is configurable to suit all employees and situations. A positive user experience is secured via the new Shop Floor Worker Cockpit which enables electronic shop orders without the need for hard copies.

A growing number of manufacturers are turning toward a project-based product development and production strategy, driving the need for business solutions that can offer project management capabilities as an integrated part of the entire value chain. IFS Applications 8 offers a unique project-based solution that supports the entire lifecycle of the project while remaining an integrated part of the overall ERP system.

“The global manufacturing field is currently undergoing many changes, with new innovations and challenges arising almost daily. We are therefore excited to be able to present IFS Applications 8, a full ERP suite that represents the cutting edge of modern manufacturing and usability. We are convinced that the new version will have a considerable impact on how companies plan and execute their manufacturing operations,” said Thomas Säld, VP Research & Development, IFS.

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i GET IT Introduces iPad App, Opens iPad to Engineering Users

31 May 2012

i GET IT, the online self-paced training solution for engineers from Tata Technologies, announced the availability of an *i GET IT* iPad app, creating a convenient way to access the widest selection of engineering content ever made available to iPad users. The app is available through the online iPad App Store. “This is a milestone for *i GET IT*,” said Dan Miles, Vice President iProducts – Tata Technologies, commenting on the release of the iPad app. “There has never been this much engineering training content available from a single source for iPad users – including engineers, educators and students; and this app makes that content easy to access from just about any location.”

The *i GET IT* iPad app allows users to logon to their existing *i GET IT* account and access their personal learning path, including courses in SolidWorks, Autodesk products, Siemens PLM products and Dassault Systemes products. It also allows new users to sign up for free memberships and experience the full range of free courses available in the *i GET IT* portfolio. Miles noted that course content cannot currently be purchased using the iPad app, but that enhanced functionality is planned.

Tata Technologies is an authorized Apple Developer, through the iOS Developer Program. Under that program, apps are evaluated and certified before they are made available through the online App Store.

“Offering our industry-leading training and knowledge portfolio via the iPad is part of the overall strategy of expanding *i GET IT* to meet the needs of engineering professionals worldwide,” said Miles. “More than 50 percent of *i GET IT* accesses are from outside the United States, including throughout the Asia-Pacific region and Europe. This iPad app supports that global community and enhances global access.”

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To download the *i GET IT* iPad app, free of charge, go to the online iPad App Store at this link: <http://itunes.apple.com/us/app/i-get-it/id509580179?mt=8>

Beyond training and skills enhancement, *i GET IT* offers engineering professionals in more than 60 countries a full portfolio of courses and engineering knowledge, online technical assistance and engineering industry news to support skills development and increase productivity. To view a demonstration of *i GET IT*, follow this link: http://www.youtube.com/watch?v=OmEM5KZfgZw&feature=player_embedded

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Lightworks and Bricsys Announce Release of Artisan for Bricscad

29 May 2012

Lightworks Artisan has been integrated within Bricscad giving users access to easy and intuitive photorealistic rendering without leaving Bricscad.

"Artisan is really one of the greatest applications available for Bricscad Pro and Platinum", says Erik De Keyser, CEO of Bricsys. "The extreme user-friendliness of Artisan makes it a tool everyone should have when working in 3D. Since Bricscad V12 we've made clear our strong ambitions for 3D direct modelling and Artisan is a tremendous visualization tool for that modelling process. We are delighted to work with Lightworks and I'm sure it will be one of the success applications in our application e-store."

Dave Forrester, Managing Director at Lightworks added; "We're delighted to be working with Bricsys and are really excited to be able to bring Artisan to the Briscad Community. Bricscad is a powerful 3D application and we believe that giving Briscad users access to our intuitive Artisan technology will empower them to do even more with their designs."

Lightworks Artisan offers a completely new approach and tools for the creation of high quality images of virtual products or buildings, whilst they are still being designed. Artisan can be easily integrated directly within an existing CAD system and its simple workflow process enables a faster design to final image creation. The unique SnapShots functionality enables users to save SnapShots of scenes at any stage of the design process which can then be reapplied at any time within Artisan.

For more information about Lightworks Artisan and how it can be used within your own application, go to the Lightworks website at: <http://www.lightworkdesign.com>.

For more information about Bricsys, go to their website at: <http://www.bricsys.com>

Lightworks

Lightworks is the world's leading supplier of rendering solutions for developers of advanced 3D computer graphics software. Now in its 23rd year, Lightworks continues to develop products to provide

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customers with innovative and market-focused solutions for the creation of powerful and easy-to-use rendering applications. Renowned for providing physically accurate visualisation of real-world objects and environments, Lightworks is the ideal choice for companies wanting to target the Architectural, Interior and Mechanical Design markets. Lightworks gives customers fast and efficient access to leading-edge rendering technology, resulting in shorter development cycles, faster time-to-market for new products, and lower software development costs.

Lightworks technology is embedded in over 80 software applications and used by more than 3 million users worldwide.

Bricsys

Through its network of 70 offices on four continents, Bricsys is a global provider of engineering software. Their portfolio consists of the following products: Bricscad, the design software for Windows and Linux; Vondle, an extended SaaS (software as a service) platform; Bricsys Meeting Point, an online support network.

Bricsys products are available in 17 languages, with more languages in development. Every month, Bricsys transparently reports the status and development of its software products to its customers. Wherever they are around the globe, customers can communicate support requests directly to the Bricsys support team around the clock.

Bricsys is a founding member of the Open Design Alliance and thereby contributes to interoperability in the engineering industry.

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OpenText's New Capture Center Offers Highest Performance and Integration with Virtually Any Backend System

29 May 2012

OpenText™ today announced a new [OpenText Capture Center software solution](#) that allows organizations to more quickly and efficiently capture, digitize and fully index paper documents, forms and faxes, and then move them into virtually any back-end system. The new version offers several enhancements including improved precision for highly demanding recognition tasks, such as scans from mobile devices, helping users to reduce their dependence on paper-based processes and deliver business critical electronic content to corporate workflows and business processes.

Business processes that depend on paper are inherently slow and hard to manage. Seeing opportunity for rapid efficiency gains, enterprises are aggressively adopting the latest generation of advanced capture solutions such as OpenText Capture Center. As an open document capture platform, it uses optical character recognition (OCR) and intelligent document recognition (IDR) to classify documents and to extract business or index data. Once documents are collected from various sources, such as document scanners, multifunctional peripherals, file shares or email connectors, they are analyzed and delivered to

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a variety of backend systems from OpenText and other vendors, such as SAP and Microsoft, for further processing or placed into an archive to significantly boost storage efficiency and greatly improve records management and governance.

"While the use of digital communications continues to rapidly expand, incoming paper documents are not declining in volume and we also see increasing use of smartphones for mobile image capture," said Peter Lipps, Vice President, Capture Solutions, OpenText. "Improvements in acquiring the data from these paper assets and also advancing the technology to support documents captured by mobile devices are critical for today's businesses. Capture Center version 10.2 provides this as well as integration with any enterprise backend system, whether from OpenText or other industry-leading solution providers, through standard interfaces or our customizable application programming interface (API)."

The latest version of OpenText Capture Center has shown that it can help businesses reduce document test errors by 20 percent, providing the quality required for the most demanding applications. Capture Center includes the industry-leading OpenText OCR engine which is licensed to a wide range of OEM partners and is used throughout the industry for high demanding recognition tasks.

Mobile Capture

The new version also offers improved support for documents captured by mobile devices, which is quickly becoming an ad-hoc document scanning alternative. As the cameras deployed in these devices do not provide the same fidelity of images as document scanners, Capture Center 10.2 employs improved image handling algorithms as well as a new method for improved character recognition. This new offering builds on OpenText's advanced capture technologies and proven track record of building world-class solutions and integrates with [OpenText Tempo](#) for fast and easy file sharing and syncing from any device.

Several additional new capabilities are available within Capture Center 10.2. New user and task management allows customers to manage which user or user group should handle which document batch. It also provides fine-grained access control to prevent unauthorized access. Additional support is now available for high availability scenarios. For example, critical resources such as databases can now be individually managed and re-located. Version 10.2 also offers improved support for unattended operations. Certain scenarios require uninterrupted and unattended operation such as high volume TIFF to searchable PDF/A rendering. Improved failure recovery and a new notification mechanism in Capture Center 10.2 are helpful in this and other scenarios.

Open Text Capture Center version 10.2 is available now. For further information, please go to: <http://www.opentext.com/2/global/products/products-opentext-capture-center>.

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SAP Broadens Industry Reach with New Analytic Application for Aerospace and Defense

31 May 2012

Extending the industry reach of its analytics portfolio, SAP AG today announced a new analytic application for aerospace and defense (A&D). The SAP® Program Performance Analysis for A&D analytic application lets A&D program managers and business executives quickly uncover deep insights into their portfolio of programs, including the development of new commercial aircraft, weapon systems, spacecraft and ships. The announcement was made at the EVM World 2012 conference, being held May 30 - June 1 in Naples, Florida.

In the highly competitive A&D industry, program managers must identify the relevant issues of projects throughout their lifecycle by analyzing data collected from many diverse sources. They must gain visibility into key performance indicators (KPIs) such as requirements stability, production quality, or supplier risks, and be able to take quick corrective actions to keep programs on track. The analytic application provides program managers a scorecard view of the performance of multiple programs at once. Additionally, it enables users to drill down through layers of increasing detail to root causes without the delays and manual efforts that plague today's program assessment efforts.

Enabling organizations and individuals to gain real-time, actionable insights, analytic applications from SAP are tailored for specific industries and lines of business to help users overcome the challenges of their unique business climates. SAP Program Performance Analysis for A&D enables program managers to work proactively and avoid commonly experienced setbacks such as cost overruns and schedule delays that cause organizations to lose millions of dollars to annually. It also enables them to clearly visualize all relevant data to help stakeholders improve overall decision-making and ensure program goals are achieved.

Since the analytic application is powered by the SAP HANA® platform, it can process large volumes of data - from any data source - in memory, meaning the results of complex analyses and transactions are produced immediately. With this information, program managers can base reports and tactics on comprehensive business intelligence (BI) from the entire value chain. They can also easily determine the status of tasks and run ad-hoc queries to drill down on granular metrics.

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Si2 Announces the OPDK v1.0 Standard

29 May 2012

The Silicon Integration Initiative (Si2) today announced the release of the OPDK v1.0 Standard as approved by the Open Process Design Kit Coalition. This initial standard by the OPDK Coalition is the result of several technical donations and extensive engineering work by the member companies. The OPDK v1.0 Standard includes the Schematic Symbol Standard and the Design Parameter & Callback Specification.

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Schematic Symbol Standard: Schematic symbols within the Electronic Design Automation (EDA) industry have long been a source of frustration when moving from one Process Design Kit (PDK) or foundry to another. Although some symbols may be similar between PDKs or foundries due to de-facto standards that emerged through popularity or widespread usage, these symbols have not been formally inducted into a standard. The end result is that often schematic designs need graphical adjustments with respect to symbol placement and wiring to pins when a new PDK is used. The OpenPDK Schematic Symbol Standard provides a specification and reference implementation for common symbols used within the EDA industry. Guidelines are also provided for creating derivative symbols that may be specific to a given PDK such as having extra terminals on a device (“nontraditional”).

Design Parameter & Callback Standard: A design library or an individual design may have a set of parameters associated with it. The specification of each parameter includes: attributes, relationships with other parameters, and callbacks. Examples of parameters include length, width, and area. An example of an attribute is maximum allowed area. Examples of relationships are between length and area, and between width and area. A change in the length or width automatically changes the area.

Callbacks, which are optional, are triggered whenever a parameter’s value or attributes change.

Callbacks fall into two main categories:

- Data callbacks – apply to all parameters; information includes: initialization callbacks, finish callbacks, callback order for batch execution
- Parameter callbacks – apply to a single parameter; information includes: automatic callbacks, user callbacks, and attributes specifying value limits, grid, and other constraints

The new OPDK v.1.0 Standard components will be described in more detail during the “OPS Comes to Life” session for the “Si2 Round-Up@DAC: Standards in Action” co-located event at the Design Automation Conference at The Moscone Center in San Francisco, CA. The session will be on Monday, June 4, from 9AM – 10:30AM, in Room 301, and is free of charge.

This session is part of a free day-long program, consisting of 4 individual events, which will showcase standards activities currently underway of great value to the semiconductor industry. Attendees should include engineers and technologists working at both current and cutting-edge technology nodes and also managers responsible for driving both design and manufacturing strategy.

All sessions are summarized in this link: <http://www.si2.org/?page=1525>.

All sessions are free, register here: http://www.si2.org/events_register/dac_2012_registration.php

For admission into the Moscone Center you will need to register for DAC at this link: <http://www.dac.com/registration+rates.aspx>

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Several of these events are sponsored by Cadence Design Systems, GLOBALFOUNDRIES, LSI, NanGate, and Spectral Design & Test.

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