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Top Story

MSC Software Receives Additional Acquisition Proposal

9 September 2009

MSC Software Corporation announced that on September 8, 2009, the MSC Board of Directors received an offer from a private equity firm to acquire all of the issued and outstanding common shares of MSC at \$8.00 per share in cash (the "New Offer"), subject to certain terms and conditions. After reviewing the New Offer, the MSC Board determined that the New Offer constituted a "Superior Proposal" as defined under the Agreement and Plan of Merger among MSC, Maximus Holdings Inc., a wholly-owned subsidiary of Symphony Technology Group ("Symphony"), and Maximus Inc. dated as of July 7, 2009 (the "Symphony Agreement"). Under the Symphony Agreement, Symphony agreed to acquire all of the issued and outstanding shares of MSC at \$7.63 per share in cash.

[MSC](#) provided notice on September 8, 2009 to Symphony of the MSC Board's determination that the New Offer constitutes a Superior Proposal and of its intention to terminate the Symphony Agreement and enter into a binding written definitive agreement concerning the New Offer after the expiration of the five business day notice period ending Tuesday, September 15, 2009 specified in the Symphony Agreement. Under the Symphony Agreement, Symphony has the right to make a responsive offer prior

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to the expiration of such five business day-period and MSC may terminate the Symphony Agreement only if the MSC board of directors determines in good faith, after consultation with its financial advisors and outside legal counsel, that the New Offer continues to be a Superior Proposal in light of any responsive offer.

Important Information for Investors and Stockholders

MSC.Software Corporation has filed a proxy statement with the SEC in connection with the proposed merger under the Symphony Agreement. INVESTORS AND STOCKHOLDERS ARE URGED TO READ THE PROXY STATEMENT AND ANY OTHER RELEVANT DOCUMENTS FILED WITH THE SEC BECAUSE THEY CONTAIN IMPORTANT INFORMATION. Investors and stockholders may obtain these documents free of charge at the website maintained by the SEC at <http://www.sec.gov>. In addition, documents filed with the SEC by MSC.Software Corporation are available free of charge by contacting Investor Relations by telephone at (714) 444-8551, or by mail at MSC.Software Corporation, Investor Relations, 2 MacArthur Place, Santa Ana, CA 92707 USA, or by going to MSC.Software Corporation's Investor Relations page on its corporate web site at <http://ir.mscsoftware.com/>.

This communication shall not constitute an offer to sell or the solicitation of an offer to buy any securities.

MSC.Software Corporation and its directors and executive officers may be deemed to be participants in the solicitation of proxies from the stockholders of MSC.Software Corporation in connection with the merger proposed under the Symphony Agreement. Information regarding the interests of these directors and executive officers in the transaction described herein is set forth the proxy statement described above. Additional information regarding these directors and executive officers is also included in MSC.Software Corporation's proxy statement for its 2009 Annual Meeting of Stockholders, which was filed with the SEC on April 10, 2009. This document is available free of charge at the SEC's web site at www.sec.gov, and from MSC.Software Corporation by contacting Investor Relations by telephone at (714) 444-8551, or by mail at MSC.Software Corporation, Investor Relations, 2 MacArthur Place, Santa Ana, CA 92707 USA, or by going to MSC.Software Corporation's Investor Relations page on its corporate web site at <http://ir.mscsoftware.com/>.

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Acquisitions

Apache Design Solutions Acquires Sequence Design

9 September 2009

Apache Design Solutions announced it has acquired the assets, including intellectual property, and foreign subsidiaries of Sequence Design, the EDA leader in RTL Design for Power (DFP)TM solution. Sequence operations will be integrated under Apache's global research and development, sales, support and marketing functions. Vic Kulkarni, President and CEO of Sequence Design, will assume the role of Senior Vice President and General Manager of RTL Business Unit in Apache. Terms of the transaction were not disclosed.

Through this acquisition, Apache expands power and noise product offerings from SoC, analog/mixed-signal, and package/PCB designs to the RTL where greater opportunity for power optimizations can be realized. The combination of Sequence's technology and Apache's power sign-off platforms raises the

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power-based solutions to the same level of importance as area and timing based tools.

“Sequence Design has established a solid reputation and customer base in RTL power analysis and reduction,” said Andrew Yang, CEO of Apache, “This acquisition reinforces Apache’s business and product strategy for complete offering of advanced power and noise integrity solutions for chip-package-system convergence.”

“Apache has demonstrated an impressive growth in the marketplace and established a critical mass of customer base, financial strength, and management experience. Our team looks forward to contributing to its continued success,” said Vic Kulkarni, President and CEO of Sequence.

Existing Sequence customers and product lines including PowerTheater, PowerArtist, Cool Products and Columbus will continue to be supported by Apache.

For more information: <http://www.apache-da.com>; <http://www.sequencedesign.com>.

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CIMdata News

CIMdata Releases a New Product Review: CFD for Mechanical Design Engineers

10 September 2009

Consulting and research firm CIMdata announces the availability of a new product review on Computational Fluid Dynamics (CFD) tailored to the needs of mechanical design engineers. CFD is becoming more important as products continue to become more complex. Designers are also being tasked with improving a product’s operational efficiency and CFD can also be a major factor in addressing that issue. This report presents the business need for CFD analysis during product design, why CFD should be used by a wider group of designers, and describes the FloEFD product available from Mentor Graphics.

Making CFD more accessible and usable by designers and engineers who are not analysis specialists is a necessary step to help reduce product development cycle times. Designers also need to be able to evaluate more design options and performing more frequent CFD analyses is a key step in enabling designers to make more informed design decisions. Mentor Graphics, with its acquisition of Flomerics and the release of FloEFD, is working to bring CFD capabilities to designers and engineers working within their native design environments. It is intended to help users conduct CFD analyses as part of their normal design activities, not as a function that is handed off to a specialist.

Ken Amann, CIMdata Director of Research said, “The FloEFD solution brings CFD capabilities right into the mechanical engineer’s CAD processes, streamlining fluid flow analysis.” It uses embedded best practices to help users set up and execute complex fluid flow problems such as hydraulic systems and cooling air flow without the need for deep knowledge of CFD techniques.

“This is a paradigm shift that will improve the design of products in which fluids play an important role” said John MacKrell, CIMdata Senior Consultant. The paper is available for free download from CIMdata’s web site at http://www.cimdata.com/publications/reports_complimentary/reviews.html

About PLM

CIMdata defines PLM as a strategic business approach that applies a consistent set of business solutions in support of the collaborative creation, management, dissemination, and use of product definition

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information across the extended enterprise from concept to end of life—integrating people, processes, business systems, and information. PLM forms the product information backbone for a company and its extended enterprise.

About CIMdata

CIMdata, an independent worldwide firm, provides strategic consulting to maximize an enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM) solutions. Since its founding more than 25 years ago, CIMdata has delivered world-class knowledge, expertise, and best-practice methods on PLM solutions. These solutions incorporate both business processes and a wide-ranging set of PLM enabling technologies.

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, delivers PLM Certificate classes, and produces several commercial publications. The company also provides industry education through international conferences. CIMdata serves clients worldwide from locations in North America, Europe, and Asia Pacific.

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CIMdata Releases a Review of IFS' Project-Based PLM Support Capabilities

9 September 2009

CIMdata, the leading global Product Lifecycle Management (PLM) consulting and research firm releases an updated review of Industrial and Financial Systems' (IFS) Project-Based PLM support program. This paper provides an independent and unbiased review of IFS' PLM-related software solutions, with a specific focus on their solutions' "Project-Based Solutions" capabilities. A description of IFS and its solution offering is provided, along with a discussion of the key role that project management can play in an enterprise's PLM strategy, especially for those enterprise's that demonstrate Project-Critical, Project-Centric, or Project-Enabled characteristics.

Additionally, CIMdata provides an assessment of IFS' PLM solution offering for Project-Based enterprises and a description of how IFS is supporting its offering from a business perspective. Finally, the paper contains two user testimonials that are based on interviews that CIMdata conducted with specific IFS clients. This program review is an assessment of IFS' solutions that provide Project-Based PLM support and not meant to describe IFS Applications in total.

According to Peter Bilello, CIMdata Vice President, "The ability to execute projects effectively is important in all industries but none more so than in the construction and capital equipment industries, whether defense or Engineering, Procurement, Construction and Installation (EPCI) contractors, or for that matter, many discrete manufacturers that are project-driven." Both the construction and capital equipment industries are characterized by the need to engineer an asset or a piece of equipment to order, or to contract and manage the process by which the contract is agreed and the asset or product is developed and then supported throughout its lifecycle. "Either way, these companies must accomplish

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this in a manner that minimizes financial risk and achieves predicted profits. Doing this in an optimum manner is no simple task.” added Mr. Bilello.

“Our research and experience,” said Mr. Bilello “clearly indicates that the success of a project is built on the development of accurate cost estimates, in much the same way as in project-driven manufacturing companies, which in turn are based on a well-defined project scope and work schedule that are well managed and monitored, and are sensitive to changes and limitations of resources and other work items.” Mr. Bilello emphasized the importance of treating cost estimating, project scheduling, and project cost control as an integrated process rather than a disjointed set of activities. “A key challenge when trying to develop this integrated process is the management of information and the association of that information to the tasks that create and use it.”

CIMdata finds that IFS has a broad and comprehensive family of business applications that meet many of the specific needs of today’s Project-Based companies in key functional areas of their operations, from contract management to project management, and from engineering and manufacturing to finance and human resource (HR) management. IFS also has an impressive range of customers within the Project-Based manufacturing and the construction, contracting, and engineering industries utilizing its solutions. The program review is available for free download from CIMdata’s web site at http://www.cimdata.com/publications/reports_complimentary/reviews.html.

About PLM

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CIMdata Releases its 2009 PLM Market Analysis Report: Comprehensive Information and Analysis

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of the PLM Market

8 September 2009

Consulting and research firm CIMdata announces the availability of its annual Product Lifecycle Management (PLM) Market Analysis Report. The report provides detailed information and in-depth analysis on the worldwide PLM market. It contains analyses of major trends and issues, leading PLM solution suppliers, PLM purchases investments in software and services for geographical regions and industry sectors, and historical and projected data about market growth. In addition, the 2009 PLM Market Analysis Report presents an analysis of the 2008 PLM market with special descriptions of each of the major sub-segments, including:

- collaborative Product Definition management (cPDm)
- Mechanical Computer Aided Design (MCAD)
- Simulation and Analysis (S&A)
- Non-Bundled Numerical Control (Non-bundled NC)
- Digital Manufacturing (DM)
- Systems Integrators, Resellers, VARS

Ken Amann, CIMdata Director of Research said, “This analysis provides our perspective on PLM across a variety of industry and geographic sectors. We reviewed investments in PLM-related software and services during 2008, and forecasted PLM investments for 2009 through 2013.” These forecasts are based on data available through the first and second quarters of 2009. “It is important to note that the data and revenue information presented in this report are CIMdata’s estimates of the PLM revenue performance of the various suppliers.” Mr. Amann added. It is also important to note that in this report, CIMdata has revised its estimates of growth based on the poor results of the first half of 2009. The first half-year results have been disappointing, and indicate a potentially longer delay in the restart of the economy and in investments getting back to their previous good levels. The forecasts address the impact of the current economic downturn and indicate CIMdata’s estimates as to how the PLM market will recover.

The [PLM Market Analysis Report](#) comes in two modules—Module 1 presents CIMdata’s overview of the PLM market, overall market statistics, an analysis of PLM suppliers’ performance in 2008, and CIMdata’s overall forecast for 2009 through 2013. It also includes information about the evolution of the PLM market and the trends that will drive the market in the coming years. Module 2 builds on the information presented in Module 1 by providing detailed 2008 geographic and industry revenue results, and forecasts for 2009 to 2013. The PLM Market Analysis Report is sold as a stand-alone report or as part of the [CIMdata PLM Community Gold membership](#). The Table of Contents and further details including pricing information about the report are available on CIMdata’s web site at <http://www.cimdata.com>.

About PLM

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“PLM Goes to the Shop Floor” by CIMdata’s President Ed Miller

2 September 2009

Product lifecycle management (PLM) once focused almost exclusively on engineering design, but the approach now includes a broad range of activities including product planning, manufacturing production process definition, service and maintenance process definition and management, and many other areas. One particular expansion of PLM strategies has been a push to get more closely integrated with factory automation systems such as MES (manufacturing execution systems) and PLCs (programmable logic controllers). This migration of PLM onto the shop floor provides an opportunity to share and leverage product-related information from both environments, enabling manufacturing information to be incorporated earlier into product development while knowledge of production-related issues flow more readily back into the product design process.

Integration between factory automation and PLM continues a decades-long evolution that emerged from CIM strategies of the 1970s. Today, major initiatives are underway to expand PLM with digital manufacturing systems for developing production processes and simulating factory-floor workflow. Likewise, PLM has had a long involvement with NC programming for individual machine tools. Integrating PLM and factory automation takes all of this evolution a step further to controlling entire workcells on the shop floor.

As PLM is expanded through a close integration with factory automation and thus gets closer to the factory floor, this begins to provide a major point of integration between the traditional arena of PLM and the production planning arena of enterprise resource planning (ERP). Indeed, factory automation and product structure definition are areas of heavy overlap between PLM and ERP. This integration provides the opportunity to share and leverage key product-related information from both environments. Although not the only area of overlap between these two major enterprise initiatives, it is a substantial one and offers excellent opportunities to better integrate the entire manufacturing enterprise.

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Although ERP suppliers have not yet substantially participated in the factory automation market, neither have PLM suppliers. Thus, the opportunity exists for each of these two “camps” to seriously move toward meeting this need. In fact, we are already seeing more emphasis on this area from major ERP suppliers with more substantive programs for ERP-MES integration. Clearly, there also will be a significant impact on suppliers of factory automation solutions as well as PLM suppliers. The availability of more integrated PLM-factory automation capabilities should raise the competitive pressure on traditional suppliers of factory automation solutions and increase attention on such solutions throughout industry. Movement of the PLM market toward greater integration with production systems will undoubtedly impact the competitive landscape for suppliers of broad-based comprehensive PLM solutions as well as suppliers of more limited-scope offerings.

Commercial availability of integrated PLM-factory automation solutions notwithstanding, companies must absolutely find ways to justify and fund these investments—especially during today’s economic slump. Most investment decisions are championed by heads of major functional units such as vice presidents of Engineering, Manufacturing, etc. But support—and even the driving force behind these initiatives—often come from CEOs, CIOs, and CTOs with a clear focus on overall business performance. Industrial companies that want to take advantage of the value offered by broad PLM solutions integrated with factory automation must raise the level of the investment discussions to include the full executive team and consider these investments as enterprise-wide initiatives.

As a result of the evolution of PLM and factory automation—and the continued close integration of these two arenas—PLM becomes an even more critical enterprise investment for industrial companies. This natural evolution of PLM is transforming it from a primarily design-centric solution to one encompassing all elements of the virtual product lifecycle. Integration with factory automation ensure manufacturing’s key role in PLM strategies, and significantly enhances the overall business value of these solutions as design, manufacturing, and information management are more fully integrated.

The business value for industrial companies is substantial, and close attention should be paid to the opportunities that these solutions provide. Of course, the expanding scope of an integrated PLM and factory automation vision and strategy requires re-thinking and solid effort to be effective. The potential is too significant to ignore, however, and forward-thinking companies will be leading this movement as PLM’s footprint takes a big step onto the factory floor. Significant technical challenges and organizational barriers notwithstanding, early adopters that put in the time and effort into integrating PLM and factory automation have a tremendous opportunity to highly differentiate themselves on an otherwise level playing field and emerge as clear business winners in the decades to come.

This article appeared in [Time Compression](#), September 2, 2009.

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The Localization of Product-Related Content, a CIMdata Brief

8 September 2009

This CIMdata Brief takes a look at some of the main issues that typically impede an organization’s ability to efficiently and effectively localize product-related content. The Brief describes why companies need to produce and handle product-related documentation in a synchronized manner aligned with the product’s and the organization’s product development process. It also describes why companies need to begin their localization early in the development process and why organizations must seek to implement solutions that manage the componentization of product content so that it can be decomposed and

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subsequently re-structured in an efficient manner. By doing so, an organization can ensure that its new products are introduced to multiple markets at the right time, at the lowest cost possible, and as quickly as possible.

In today's global market, product documentation can take on many forms—the most common are user manuals, assembly instructions, labels, user interface menus, and online help. The localization of this product-related content (e.g., the translation of product documentation into one or more languages) is an activity that many companies manage in a disconnected manner and execute rather late in the product development process. For companies that sell to the global market, this seemingly simple task of localization is actually quite complex and requires a significant investment of time, money, and overall effort. The primary reason for this complexity is that too many companies do not produce and/or handle product-related documentation, and all the forms it must take (e.g., language variants), in a synchronized manner aligned with the product's requirements (e.g., what documentation is needed to enter what markets) and the organization's product development process. Rather, they handle localization as an activity that takes place separately and often only after the product design is finalized and all the documentation in the company's primary design language is complete. This disconnect often delays the product's introduction to the market, as both customer usability issues and country and industry regulations can prevent products from being sold without the associated localized documentation.

For multi-national companies, localization requirements may mean supporting more than 20 different languages; for a select few, this number can be more than 100. For each language supported, an inefficient process results in added product development costs. Companies must continually try to streamline their localization process so that they can effectively compete in multiple regional markets. CIMdata's research and client experience indicate that many of the challenges to quick and efficient localization of product documentation revolve around a company's ability to integrate the tools and processes of its design environment with the tools and processes of both the technical publishing department and the third-party translation Language Service Providers (LPS).

In theory, this disconnect between product design and content development is greatly reduced for those companies that embrace the full potential that a comprehensive Product Lifecycle Management (PLM) approach offers. This requires the implementation of this strategic business approach that takes into consideration the entire lifecycle of products and their associated information (including all the various forms that product-related content can take). Ultimately, companies who capture, understand, and design to product localization requirements from the beginning are those that are better able to deliver the right product to the right market, at the right time. This success can be accomplished by managing localized documentation as an integral part of the product's definition information, which in turn defines all the product's sellable variants. This of course, requires the company to view the product as more than just its physical parts, but also its other designed and delivered items (e.g., localized product-related documentation).

Once an organization realizes that its content creation and localization processes must function as integral parts of their product development process—no different than any other development activity—it must manage the translation of manuals, assembly instructions, online help, and even user interface (UI) in the same manner as other product development process deliverables. In the world of concurrent or collaborative product development, localization must begin early in the development process and be completed at the same time that the other physical components of the product are ready to be released to production and to the field. To accomplish this, companies need to divide the localization tasks into smaller tasks, or a set of work packages that can be managed and evolved in an efficient manner as the product evolves. This is a difficult process for many companies to follow because they often don't have

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a document management environment that is flexible enough to manage multiple types of data (e.g., documents and parts records) and to manage the overall content of the documents as configurations of smaller components (e.g., phrases, paragraphs, sections, etc.).

Fortunately, best-in-class document management solutions, which are based on advanced data standards, allow companies to create and manage localization work packages and to optimize their localization processes. For years, the information publishing community, which represents those responsible for the localization of product documentation, has sought to define and use common data standards (e.g., portable data representations) that describe and manage the configurations of complex documentation. These standards, also called markup languages, allow structure, layout, and formatting to be associated with sections of text. The Standard Generalized Markup Language (SGML) is one such standard. With the advent of the Web, most people have heard of another markup language, namely HTML (HyperText Markup Language). This language is used to describe the structure of text-based information in a document by defining a “style” for sections of text (links, headings, paragraphs, etc.), and to supplement that text with interactive forms, images, and other defined objects. Another familiar markup language is XML (Extensible Markup Language). XML, which owes its heritage to SGML, started as a simplified subset meant to be readable by people via defined and understandable constraints. XML is considered an extensible language, because it allows the user to define the mark-up elements. IBM took advantage of this definition ability when it defined the Darwin Information Typing Architecture (DITA).

DITA, which was released as a public XML standard in 2001, holds significant promise for the product-related information publishing industry. Fundamentally, it is an XML-based, end-to-end data architecture for authoring, producing, and delivering technical information. Today, this standard plays an important role in the localization of product documentation. DITA allows content to be divided into smaller standalone segments, or topics. Product-related content that is managed on a topic level can be associated with product data, allowing documentation to be created in parallel with product development. This in turn, can shorten the time needed to create product-related documentation, as it can be started much earlier in the product lifecycle. Topic-level content also allows data to be reused. For example, if a specific part is used in multiple products, the associated product-related content topics would be common across those products as well. Topic-based content also supports the creation of translation packages, which play an important role in the localization of product documentation. Translation packages are groupings of content that are provided to the individual or organization (e.g., a LSP) responsible to perform the translation service. This is not necessarily the entire manual or assembly instruction document, but rather just the set of content that must be translated. Good translation management solutions provide the capability to store and manage these groupings.

These concepts have the possibility of revolutionizing the way in which companies localize their product-related content. No longer do they have to wait until the end of the development process to translate everything. They can componentize not only their products (e.g., break their product designs into configurable modules) but also the product-related content needed for localization. The benefits of such an approach are significant. Besides not having to wait for the entire manual to be ready before translation begins, content can be more easily managed as reusable objects. This reduces translation costs as well as the content creation effort, and means that the decomposition and re-structuring of content doesn't have to be a time consuming manual process. Topic-based content also means that the effect of a data change is limited to the associated topic, and the overall cycle time to update localized content when a change to master data occurs can be greatly reduced. Without the ability to componentize (i.e., define and store content as a set of objects, such as reusable phrases, paragraphs, sections, etc.) and manage the decomposition and the subsequent re-structuring of content components,

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localization would continue to be costly and time consuming.

It is important to mention that product-related information publishing solutions are applicable to multiple industries, including high-tech, automotive, aerospace, CPG, and others where manuals and other customer delivered content is common, as well as pharmaceutical, food & beverage, and others that need to generate labels, packaging artwork, and other localized content along with their product.

Ultimately, companies will have to find new and innovative ways to introduce their products to multiple markets at the right time, at the lowest cost possible, and as quickly as possible in order to stay competitive in today's global market. No longer can localization be seen as an afterthought. It must be fully integrated into a company's product development process and all those that are involved in the process must be able collaborate in the most efficient and effective manner possible. By doing so, a company can ensure that its product localization process is a competitive advantage.

About CIMdata

CIMdata, an independent worldwide firm, provides strategic 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. Visit <http://www.CIMdata.com> for more information.

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Company News

Avatech Solutions Announces New Exclusive Client Service

10 September 2009

Avatech Solutions, Inc. announced the introduction of its latest service to its client base—the Avatech Client Portal.

Designed as a destination for Avatech's client base, the Client Portal will provide 24/7 instant access to information and services of special interest to Avatech clients.

Initially, the Client Portal is only available to those who have Autodesk Subscriptions through [Avatech](#) or to our technical support clients. Subscription clients have access to free Avatech productivity software downloads that retail for up to \$395 each to non-Subscription customers. Avatech customers could receive thousands of dollars worth of free software that automates tedious manual tasks and reduces design time. Technical support clients will be able to submit support questions and technical problems, as well as view and search all past issues and resolutions.

Plans for expansion of the portal may include not only additional free software downloads, access to a support knowledge base, on-demand learning, product tips, links, special offers and promotions, RSS, communities, and more. Avatech will be actively soliciting user feedback to expand and populate the portal with information and services that its clients want.

“We are constantly pushing ourselves to provide the maximum value to our clients. It's not enough for us to provide initial services to customers; we strive to partner with clients not only as their businesses grow, but during tough times as well. We're in it for the long haul and we want our clients to know that,” says George Davis, president and CEO of Avatech. “The Client Portal is just the latest salvo in

this continuing effort.”

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Bentley Appoints Solutions Executives for Utilities and Communications, Power Generation, and Process Manufacturing

10 September 2009

[Bentley Systems, Incorporated](#) has appointed Cyndi Smith, based in Tulsa, Okla., to the position of solutions executive for utilities and communications; Mark Biagi, based in Edinburgh, United Kingdom, to the position of solutions executive for power generation; and John Sanins, based in Houston, Texas, to the position of solutions executive for process manufacturing. In these roles, each will establish an integrated suite of software products and professional services that supports the infrastructure lifecycle of the solutions communities for which he or she is responsible.

Smith has more than 30 years of experience in the communications, energy, and government sectors. In her eight years at Bentley, she has held director positions in marketing and product management, and most recently was director of Solutions Management. Her previous employers include Intergraph, where she was senior systems consultant, Williams Communications (now part of Level 3 Communications), and Conoco (now part of ConocoPhillips). Her experience includes technical management, services project management, marketing, and business development roles. Throughout her career, Smith has been primarily focused on geospatial applications and the integration of geospatial technology with operational systems.

“Cyndi’s breadth of experience in industries typically associated with geospatial information technology uniquely positions her to bring together Bentley’s extensive range of cross-discipline software products into integrated solution offerings,” said Carey Mann, Bentley vice president, Solutions. “In utilities, for example, the Bentley solution extends beyond traditional geospatial workflows to include such things as the civil engineering of transmission corridors, the structural design and engineering of transmission towers, the physical and relay design of substations, and the design and operation of a range of power generation facilities.”

Biagi’s previous position at Bentley was strategic projects director for plant software in Bentley’s International Operating Unit. In that role, he was involved in strategic agreements, complex product integrations, and in developing Bentley’s strategy for the nuclear power industry. Biagi holds an honors degree in Mechanical Engineering from the University of Glasgow and a master’s in Engineering for Sustainable Development from the University of Cambridge.

“Mark’s engineering background, strategic planning experience, and industry relationships make him an ideal executive to spearhead our expanding presence in the power generation industry,” said Mann. “His background includes strategy consulting, sustainability, project management, and engineering design, as well as extensive experience in applying advanced information technology to the process engineering industries.”

Sanins’ previous position was technical director, Global Business Development, with Intergraph Corporation, where he was responsible for SmartPlant 3D product strategy and for the support and development of SmartPlant 3D sales globally. His experience also includes positions with IBM, notably senior business consultant for IBM Global Services, and regional business manager, Asia Pacific, for IBM ETS, where he directed plant design operations and related data management systems. Sanins has also worked for AVEVA Solutions in various technical and business development roles and was the

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head of VANTAGE Plant Design solutions, notably PDMS and its related plant design software.

“With more than 24 years of industry experience and leadership worldwide, John brings to the table a rare combination of hands-on design and engineering experience and global business and marketing leadership,” said Mann. “He has the insight to identify and validate new solution requirements and to ensure that our offerings meet the needs of globally oriented owner-operators and EPCs.”

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Delcam Establishes Healthcare Division

10 September 2009

CAD/CAM developer Delcam has established a dedicated Healthcare Division to provide a greater focus on this increasingly important part of its business. The new Division will help companies across the medical, dental and associated industries to apply Delcam’s expertise and experience in taking advantage of the latest design and manufacturing techniques. Delcam’s Commercial Director, Bart Simpson, has been appointed as the head of the new Division.

“Companies in the healthcare industry face the same demands from their patients that our traditional engineering clients see from their customers for faster delivery of better and cheaper products,” explained Delcam’s Managing Director Clive Martell. “Patients want to receive higher quality products and services, and they want to complete their treatment in the shortest-possible time. At the same time, healthcare companies are under pressure to provide this higher quality at lower cost and to increase their productivity to meet the growing demand. These requirements can only be met through the application of more advanced and more automated technology.”

Delcam’s increased emphasis on the healthcare industry comes at a time when the sector is expanding rapidly and when it is much more receptive to computer-based technology. The aging population in industrialised countries and the growing affluence of the emerging economies mean that the healthcare industry is seeing global growth. Through its existing engineering business, Delcam is established in more than 80 countries worldwide and so can provide international support to larger healthcare providers and original equipment manufacturers.

Equally, Delcam’s focus on the toolmaking and subcontracting industries means that the company’s staff are used to dealing with smaller companies on a local level. All Delcam offices, whether wholly-owned subsidiaries, joint ventures or independent resellers, are renowned for the high level of support they provide to all their customers.

Delcam is, of course, already active in many areas of the healthcare business. Its design, reverse engineering, machining and inspection software are used in a wide range of applications from the production of prostheses, through to the manufacture of surgical instruments and all types of medical packaging. This is especially true for the PartMaker machining system for turn-mill equipment and Swiss-type lathes. These machines are used extensively for the manufacture of medical and dental components, to the extent that around 70% of PartMaker sales already come from the healthcare industry.

In addition, [Delcam](#) has introduced several specific products for the healthcare market over the last two years. These include the DentCAD and DentMILL programs for the design and manufacture of dental restorations and the OrthoModel and OrthoMill software for the development of orthotics. The company also offers special versions of its CRISPIN range of footwear design and manufacturing software for the

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production of orthopaedic footwear.

The common theme with all these products is that they take existing Delcam technology and add a dedicated interface that uses imagery and terminology from the healthcare sector. This makes the software easy to learn and quick to use for healthcare professionals, even those that are not familiar with using computer-based design and manufacturing.

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ESI's German Subsidiary Celebrates its 30th Anniversary

8 September 2009

[ESI Group](#) announced the 30th anniversary of its German subsidiary, [ESI GmbH](#), the first subsidiary established outside of France. [ESI GmbH](#) has enabled [ESI](#) to add to its customer portfolio such prestigious names as Volkswagen Group, BMW Group and Audi AG.

[ESI GmbH](#) was founded in 1979, six years after [ESI](#)'s creation. The office, initially located in Frankfurt, was first established to allow [ESI](#) to undertake consultancy studies for the nuclear, civil and military industries in Germany. Most [ESI GmbH](#) employees worked not in the main office but at customer sites such as KWU in Offenbach and Erlangen, GRS in Köln or Interatom GmbH in Bensberg.

During the mid 1980's, the military and nuclear activities declined and a great effort was made to enter the booming German car market. [ESI](#) focused first on non-linear implicit analysis using the implicit FE code PAM-NL and crash analysis using a new explicit Finite Element code EFHYD3D; later renamed [PAM-CRASH](#). Progress in crash simulation was rapid and within five years all manufacturers had started to investigate and apply the technology. Indeed, [ESI](#) in collaboration with Volkswagen Group developed its first car crash simulation methodology in 1986. From then, [ESI GmbH](#) played a major role in industrializing crashworthiness simulation worldwide. Indeed, in the early 1990's, [ESI Group](#) opened offices in the United States, Korea and Japan, and the German office helped transferring know-how to the new local representatives.

"I count myself very fortunate to have seen and contributed to the development and industrialization of products such as PAM-CRASH which became a commercial success, and also helped make cars and transportation genuinely safer. Even after nearly 25 years, it still is exciting to witness the innovative developments that continue to go into those products", said **Dr. Anthony Pickett**, Scientific Director at ESI GmbH.

Most development activities at [ESI GmbH](#) have targeted the needs of the car industry. These include [PAM-STAMP](#) for the simulation of sheet metal forming and [PAM-CRASH/PAM-SAFE](#) for crashworthiness and occupant safety analysis. Part of the success of these products has been the ongoing close collaboration with industrial partners and their suppliers.

[ESI GmbH](#) has steadily grown over the years and in 2003 it was necessary to move to a more spacious office in Eschborn, which is [ESI GmbH](#)'s main headquarters today. Following further expansion in activities, two more offices were opened in Munich and Essen, amounting to a total German workforce of 52 employees. Today, the main role of [ESI GmbH](#) is to support its German customers and actively develop specific new options for them in various sectors from material failure modeling, welding, sheet metal and composites forming, composites failure analysis and dummy developments. The office is also involved in important innovative research at both European and National levels.

"We have built strong relationships with our customers over the past 30 years and those have helped

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ESI GmbH introduce leading technology to the markets,” declared Mr. Haluk Menderes, ESI GmbH Managing Director. “We are today well equipped to be a trusted advisor and partner enabling End-to-End Virtual Prototyping so that our customers can get it right at the right time”.

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Indian Institute of Technology Kharagpur Receives Charles Babbage Grant From Synopsys

8 September 2009

Synopsys Inc. announced that the Indian Institute of Technology Kharagpur (IITKGP) is the first institution of higher education in India to receive the Charles Babbage Grant from Synopsys. Through the grant, IITKGP receives licenses of Synopsys' comprehensive electronic design automation (EDA) software and intellectual property. The grant also enables the Institute to purchase compute hardware for the planned Synopsys CAD Laboratory at IITKGP, which would focus exclusively on core EDA and CAD research. Although details are yet to be finalized, additional funding provided by Synopsys is planned to assist with the operational costs of the lab as Synopsys and IITKGP faculty collaborate on joint research goals and establish milestones to further expand VLSI education at the Institute. Synopsys also intends to provide support and training to the students working at the Synopsys CAD Laboratory to help them maximize their research efforts.

IIT Kharagpur and Synopsys have had strong and enriching research collaborations, especially related to verification methodologies, for close to a decade and a half. The two organizations have taken leading steps in fostering state-of-the-art education and research in the domain of VLSI and EDA. Synopsys was a co-founder in the Advanced VLSI (AVLSI) Design Laboratory at IIT Kharagpur and subsequently in the AVLSI Consortium, both being the first of their kind in India. The establishment of the Synopsys CAD Laboratory at IIT Kharagpur would further expand the collaboration between Synopsys and IIT Kharagpur, and extend the focus of their advanced and industry-relevant education and research beyond verification to other areas of core EDA.

"IIT Kharagpur and Synopsys have closely collaborated over the last decade to foster state-of-the-art research and education in the domains of VLSI and CAD," said Dr. Partha P. Chakrabarti, professor in the Department of Computer Science & Engineering and Dean of the Sponsored Research & Industrial Consultancy at IIT Kharagpur. "We are further expanding this relationship by working to establish the Synopsys CAD Laboratory at IIT Kharagpur, which will be utilized for advanced, leading-edge research in the EDA space, including CAD. The Laboratory would not only serve as a platform for the creation of new methodologies and tools, but also allow students the opportunity to use the latest EDA technologies, thus helping to develop the next generation of industry leaders." Dr. Chakrabarti continued, "At IIT Kharagpur, we greatly appreciate our time-tested, close collaboration with and support from Synopsys, and look forward to continuing to produce high-impact results with them."

Access to industrial design tools for advanced research and microelectronic design is a common challenge facing universities today. Synopsys helps resolve this issue through initiatives like the Charles Babbage Grant and its Worldwide University Program, which provide select universities with design software for modern electronic design flows and leading IC fabrication processes. Previous grant recipients in the USA include Case Western Reserve University, North Carolina State University, Purdue University, San Jose State University, Southern Methodist University and Syracuse University. Other recipients include the Chinese Academy of Sciences in China, Moscow Institute of Electronic Technology in Russia and Southampton University in the United Kingdom.

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Chi-Foon Chan, president and COO at Synopsys, formally opened the Synopsys CAD Laboratory during a September 8th ceremony at IIT Kharagpur and delivered an invited Institute Lecture to students and faculty.

"Many of the early EDA pioneering efforts in India were carried out by a handful of technologists, many of whom have their roots at IIT Kharagpur. Synopsys has been working very closely with IIT Kharagpur for longer than a decade on verification-related challenges," commented Manoj Gandhi, senior vice president and general manager of the Verification Group at Synopsys. "Through the Charles Babbage Grant and our expanded scope of collaboration, Synopsys will help enable the university to further its reputation as a leading academic institution and give its students access to the latest EDA tools and equipment."

"Synopsys India has been actively associated with IIT Kharagpur through the inception of the Advanced VLSI Laboratory, Advanced VLSI Consortium and now the Synopsys CAD Laboratory," added Pradip Dutta, corporate vice president and managing director of Synopsys India. "We intend to use this grant to help carry out research in multiple areas of EDA tools and also enable IIT Kharagpur to enhance its reach in the field of VLSI education."

About the Charles Babbage Grant

The Charles Babbage Grant provides select universities worldwide with state-of-the-art EDA tools, training, support and technology. It enables institutions of higher education to enhance their expertise in microelectronics circuits and system design. Use of the Synopsys tools on modern, powerful computers from the grant helps universities to better prepare their graduates for the future by providing hands-on experience with current industry practices, modern design techniques, and actual design tools and compute hardware. This enhances their understanding of how learning applies to the real world of IC design. The grant is named after British mathematician and inventor Charles Babbage, who designed and built mechanical computing machines on principles that anticipated the modern electronic computers of today over 150 years ago. For more information about the Synopsys Worldwide University Program, visit us at <http://www.synopsys.com/Community/UniversityProgram/Pages/default.aspx>.

About the Indian Institute of Technology Kharagpur

Indian Institute of Technology Kharagpur was set up by an Act of Parliament and was formally inaugurated in the year 1951. As the oldest and most diversified among the IITs, this institute is synonymous with the world famous "IIT System." Today, IIT Kharagpur has come a long way to its present position of pre-eminence with nineteen departments, seven centres, seven schools of excellence and several sophisticated laboratories and central facilities. The institute has the student strength of about 8,000, faculty strength of more than 500 and a large base of supporting staff. In the recent convocation the institute awarded more than 1,600 degrees including about 600 Bachelor's degrees, 800 Master's degrees and 228 Ph.D degrees. Recently it has ventured into intellectual property law and medical science and technology. It has carried out sponsored research worth more than Rs.171 crores in the last financial year.

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Mentor Graphics Announces 21st Annual PCB Technology Leadership Awards Program Winners

10 September 2009

Continuing in its tradition of promoting and recognizing Printed Circuit Board (PCB) design excellence,

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Mentor Graphics Corporation announced winners of its 21st annual PCB Technology Leadership Awards. Started in 1988, this program is the longest running competition of its kind in the Electronic Design Automation (EDA) industry. It recognizes engineers and Computer Aided Design (CAD) designers who use innovative methods and design tools to address today's complex PCB systems design challenges and produce industry-leading products.

"The complexity of the designs submitted represents how rapidly the electronics industry is progressing and how designers are leveraging their Mentor tools to implement innovative approaches with advanced PCB technologies," said Pete Waddell, editor of Printed Circuit Design and Fab magazine, and president of UP Media Group. "The fact that 89% of the entries had a high percentage of high-speed nets, and 44% of entries used advanced PCB fabrication technologies like HDI/microvias are examples of pushing the envelope to develop products that are more competitive."

Industry experts judged entries from 17 countries in five categories representing a wide variety of industries. The PCB industry expert judges included Happy Holden, senior technology specialist of [Mentor Graphics](#); Gary Ferrari, technical support director, FTG Circuits; Pete Waddell, vice president of UP Media Group and publisher of Printed Circuit Designs & Fab magazine; Andy Kowalewski, senior interconnect designer, AdvantagePCB; and Rick Hartley, senior principal engineer, avionics division of L-3 Communications.

2009 Technology Leadership Award Winners

Category: Best Overall Design

Company Name: Tellabs, USA - Using the Expedition® Enterprise, HyperLynx® SI products Design Team: Steven Everly, Stephen Mihal

Category: Consumer Electronics & Handhelds

Company Name: Panasonic, Japan – Using the Expedition Enterprise, HyperLynx SI products Design Team: Takayuki Hinokidani, Shuhei Osako • Runner Up: Vestel Electronic, Turkey – Using the Expedition Enterprise product

Category: Industrial Control, Instrumentation, Security & Medical

Company Name: CiBoard Electronic, Germany – Using the PADS® and Expedition Enterprise products

Designer: Michael Schwitzer

• Runner Up: Oregano Systems, Austria – Using the Expedition Enterprise, HyperLynx SI products

Category: Military & Aerospace

Company Name: GE Fanuc, UK – Using the Expedition Enterprise product Design Team: Ian McCormick, Jim Rose • Runners Up (tied)

--- General Dynamics, Canada – Using the Board Station® XE, HyperLynx PI products

--- DRS, Canada – Using the Expedition Enterprise, HyperLynx SI products

Category: Computers, Blade & Servers, Memory Systems Company Name: Kontron, Canada – Using the Expedition Enterprise product

Designer: Benoit Mainville

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- Runner Up: SiennaECAD, India – Using the PADS product

Category: Telecom, Network Controllers, Line Cards

Company Name: Alcatel-Lucent, US – Using the Expedition Enterprise product

Designer: Susan Plul

- Runners Up (tied):

--- RAD Data Comm, Israel – Using the Expedition Enterprise, HyperLynx SI products

--- Rancore Technologies, India – Using the PADS, HyperLynx SI/PI products

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New Guide on Benefits of “ease of use” Applied to CAD/CAM

September 2009

Sescoi’s new “ease of use” guide explains how considerable benefits can be gained through the application of “ease of use” or “usability” principles to products and software, and how this is particularly relevant to CAD/CAM systems.

A copy can be downloaded free at

http://www.sescoi.com/fileadmin/pdf/worknc/WhitePaper_EaseOfUseFIN.pdf

Independent research studies have shown that “ease of use” is one of the top factors taken into consideration by potential users when purchasing many products across a broad range of industries and applications.

The SESCOI guide outlines the factors that define ease of use, such as:

- Short learning curve,
- Intuitive operation,
- Ease and speed of memorization,
- Reliability,
- Adoption rates,
- Adaptability to new technological developments, and
- Accommodation of the needs of different users.

SESCOI’s WorkNC CAM/CAD software is used by leading manufacturers around the world. Using this software as an example, the guide provides cases of benefits from ease of use being achieved in real life, on a daily basis. Numerous machining programming tasks which would normally require highly skilled engineers can be completed on the shop floor by lower skilled workers. Other examples in the guide include cases where mold finishing times had been reduced from several days to just a few hours; and others where the software’s reliability had enabled unmanned machining out of normal working hours.

The Guide illustrates how a multi-faceted approach to ease of use is required to reap the full benefits, and that it is not just a matter of an improved user interface. The guide seeks to help manufacturers to examine their own machining practices to see how the deployment of easy to use CAM software can

improve the efficiency of existing resources, shorten lead-times and cut costs.

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Patent Issued for VizSeek's Search Technology

9 September 2009

[VizSeek](#) announced that patent No. 7,583,272 has been issued by the United States Patent and Trademark Office to Purdue University for a method used by VizSeek's shape search engine to retrieve shapes or drawings from a database. VizSeek has an exclusive license with Purdue University for this technology.

The method covered by the patent, along with several other methods with patents pending, powers VizSeek's search and retrieval engine, giving it the ability to take "visual" search input criteria from a user in the form of freehand sketches, images, or two-dimensional or three-dimensional drawings or models, and convert them to a form that the search engine then uses to find a set of drawings or models with similar features within a database. The user can refine the search criteria to search within the returned set of results.

VizSeek's shape search technology powers VizSpace, VizSeek's online industrial community networking platform, where individuals and companies can connect and identify business opportunities.

"This patent, along with others that are currently pending, allows us to provide a unique and valuable solution to industrial markets. We're pushing search technology beyond its traditional uses and into areas such as social networking, to provide value-added search results that can be useful in procurement and supply-chain collaboration," says Imaginestics CEO, Nainesh Rathod.

VizSeek's shape search technology is the answer to a great need in manufacturing and engineering environments, where large databases of drawings and models of parts and components can become unwieldy. Text-based search criteria are often not descriptive or accurate enough to find even simple components. VizSeek's ability to search using visual criteria, ranging from the most rudimentary doodles to three-dimensional images, gives users a degree of control over their databases not possible with text-based search engines. Users can find the right part at the right time, which leads to an increase in re-use of existing designs and a reduction in redundancy and re-work.

Eric Lynch, Innovation Strategy Manager at the Purdue Research Foundation's Office of Technology Commercialization (OTC), feels that patents like these "showcase perfectly how research in the academic world pushes innovation in the commercial world."

"We're happy to see the collaboration between Purdue and Imaginestics leading to these tangible results, and we're looking forward to working with them further as future patents are issued and VizSeek continues its success in the marketplace."

About Purdue Research Foundation

The Purdue Research Foundation is a private, nonprofit foundation created to advance the mission of Purdue University. The foundation accepts gifts; administers trusts; funds research, scholarships and grants; acquires property; and negotiates research contracts on behalf of Purdue. In the 1990s, the foundation was charged with helping the university in the realm of economic development. The Purdue Research Foundation oversees the Purdue Research Park, which is the largest university-affiliated business incubator in the country.

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Zuken Streamlines CADSTAR Sales and Support in the UK

8 September 2009

Zuken has announced that it has streamlined support and sales of [CADSTAR](#) in the UK by promoting established UK CADSTAR distributor Quadra Solutions to the role as sole distributor within the market.

Quadra will now be responsible for all CADSTAR sales and first line support. Existing customers of the former second UK distributor, Quantum EDS, will automatically be transferred to Quadra, as the sole contact for all CADSTAR sales and support in the UK.

CADSTAR European Sales Manager Jeroen Leinders stated, "With Quadra Solutions, twice rewarded as CADSTAR Distributor of the year (2006 and 2008/09) we have found a group of experienced and enthusiastic professionals who know the market and understand our customer needs. We look forward to continuing our excellent partnership with them."

"Becoming the sole CADSTAR reseller for the UK market is something that Quadra Solutions has worked very hard to achieve. We are delighted that we will be representing Zuken for CADSTAR on an exclusive basis in the UK and look forward to building and strengthening our business relationships further with both our existing and new customers." Steve Dobson, Director, Quadra Solutions.

To find out more about CADSTAR go to www.zuken.com/cadstar or for more details on Quadra please visit www.quadrasol.co.uk

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Events News

Delcam to Host Aerospace Seminar with Dormer Tools and DMG

8 September 2009

On 8th October, CAD/CAM developer [Delcam](#) will host a free seminar on Developments in Aerospace Machining at its Birmingham headquarters in partnership with Dormer Tools and DMG. Other speakers will be included from Renishaw, Sandvik-Coromant and System 3R. The event will cover the latest advances from each of the companies that will help aerospace manufacturers to increase their productivity and profitability.

The aerospace industry has always demanded the highest levels of quality and consistency from its suppliers. In the current economic environment, the added requirements for more cost-effective production and shorter lead times have become even more important. To meet these demands, suppliers must ensure that their machining operations are operating as efficiently as possible.

Machining technology has progressed faster than ever over recent years. Developments in machine tools have been accompanied by improvements in all the related equipment, including more sophisticated programming software, cutting tools that can operate at speeds that would have been unthinkable, and faster and more flexible inspection methods.

All of these aspects will be covered during the seminar. Together the presentations will show how important it is for companies to review their operations regularly so they can ensure that they are

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operating as efficiently as possible in today's highly competitive business environment.

For further information and an invitation to the October seminar, please contact: -

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ESPRIT 2009 by DP Technology at South-Tec Advanced Productivity Exposition, Charlotte, N.C., Oct. 6-8

10 September 2009

Computer-Aided-Manufacturing software developer [DP Technology](#), creator of ESPRIT® will be on display Oct. 6-8 at the South-Tec Advanced Productivity Exposition (APEX), taking place this year in Charlotte, N.C.

Scheduled to take place this year at the Charlotte Convention Center, South-Tec has been dedicated to machine tool and metalworking technologies for more than three decades.

ESPRIT will be on display at booth No. 7052, where knowledgeable and approachable representatives will be on hand to answer questions and perform demonstrations of the latest time-saving upgrades.

Designed with ease of use in mind, ESPRIT emphasizes the use of milling and, or, turning in any combination and on any type of machine tool, which means that most improvements to the software are to the benefit of all programmers.

A new concept in highly-advanced machining functionality is based on the idea that any five-axis machining function, no matter how complex, can be defined with a few simple steps. By following the same time-tested steps that programmers use when deciding how to machine 5-axis parts, an advanced CAD/CAM system can combine highly advanced milling technology with an interface that is familiar and easy to understand. This new patent-pending FreeForm 5-axis composite machining cycle in ESPRIT allows users to independently define machining patterns and tool orientation strategies to be used when creating the simultaneous 5-axis tool path, and includes 20 different machining strategies (cycles) in one, resulting in a wide range of easily manageable possibilities. The new ESPRIT composite machining cycle gives the user the ability to perform simultaneous 5-axis machining for a wide variety of different parts and industries, including aerospace, medical, and automotive, through one simple user interface.

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Free Webcast: Leveraging SAP for Product Lifecycle Management in the Life Sciences

10 September 2009

CIMdata PLM Industry Summary

Product Lifecycle Management (PLM) applications help life sciences companies achieve higher efficiency, productivity, and profitability. Managing products and processes with PLM boosts collaboration for design, engineering, quality management, regulatory compliance, and maintenance management across the entire product life cycle.

In this webcast, titled "Driving Innovation From Strategy to Execution: Product and Service Leadership in Life Sciences," you will hear best practices from PLM leader SAP, as well as learn from life science manufacturer Welch Allyn how PLM is enabling a "Design Anywhere, Build Anywhere" strategy.

Speakers include Welch Allyn Director of Global Product Data Management Lauri Ventresca and SAP PLM Product Manager Elizabeth Fowler. Pharmaceutical Manufacturing Senior Editor Paul Thomas will moderate the webcast and open Q&A session.

The webcast, hosted by Pharmaceutical Manufacturing magazine, will take place Tuesday, September 29, at 2:00 PM Eastern Time (11:00 AM Pacific) in the U.S.

To register, visit: <http://www.visualwebcaster.com/event.asp?id=61768>

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GibbsCAM Demonstrated at Upcoming R3 Mazak Event

10 September 2009

Gibbs and Associates announced that it will demonstrate its complete GibbsCAM MTM (multi-task machining) solutions at the upcoming Mazak R3 Event, held at Mazak's corporate headquarters in Florence, Kentucky on September 15-17th. During the event, demonstrations of GibbsCAM will highlight the theme of the event – "Your Manufacturing Future? Refocus, Rediscover and Reinvent (R3)".

"It is a real pleasure for us to be supporting Mazak during this R3 progressive learning opportunity," states Roger Ablett, Gibbs' General Manager of the Strategic Partner Program, who is responsible for Gibbs' relationship with Mazak worldwide. "Gibbs works closely with Mazak to ensure that GibbsCAM fully supports Mazak's complete product line of machine tools, allowing Mazak customers to realize the optimum return on their investment, especially their multi-tasking models, which clearly provide competitiveness realized through advanced manufacturing technologies."

The latest version of GibbsCAM will be demonstrated at the Mazak R3 Event including GibbsCAM MTM (Multi-Task Machining) and Machine Simulation modules which have been specifically configured for Mazak machine tools. For many years, Gibbs and Associates has provided CNC programming support as new Mazak machine models and variations are developed, so that Mazak customers can swiftly put their machines into production. Gibbs regularly receives specifications and guidance from Mazak, and Gibbs engineers work closely with Mazak engineers at Mazak Technology Centers worldwide. This helps to validate and refine GibbsCAM post processors for the unique configuration and capabilities of Mazak CNC machines, including Mazak's broad line of complex multi-axis, multi-tasking machines. As a result, Gibbs offers one of the widest ranges of post processors for Mazak machines available from any CAM vendor.

GibbsCAM MTM provides a powerful, yet easy to use means to program advance multi-tasking machine tools, such as Mazak Integrex line, allowing the user to focus on developing the most optimal program for their machine. GibbsCAM Machine Simulation provides a virtual environment, which can be used to prove-out machine setup, thereby saving setup time on the machine tool, and a simulation of

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the machine tool's motions, thus allowing potential crashes and inefficiencies to be identified and corrected before running the program on the shop floor. GibbsCAM's factory-supplied post processors for Mazak machine tools ensure G-code can be run without hand editing.

For more information about GibbsCAM and GibbsCAM's MTM capabilities visit <http://www.GibbsCAM.com>.

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GibbsCAM MTM Solutions to be Highlighted at EMO 2009; Includes Support of All Multi-Task Machine Functions with over 750 Postprocessors

10 September 2009

Gibbs and Associates announced that it will demonstrate its complete GibbsCAM MTM (multi-task machining) solutions at EMO, the world's largest trade show dedicated to metalworking equipment and productivity, this year held in Milan, Italy, from October 5-10, 2009. GibbsCAM, will be showcased in Cimatron Group's booth (Hall 9, Booths A10 and A12).

MTM machining solutions are expected to generate the most interest at this year's EMO due to the productivity improvements gained by machines able to execute multiple operations in a single set-up on one CNC machine and the ability to optimize profitability during the current worldwide recession. The GibbsCAM solutions will also be demonstrated at exhibits of several machine tool partners who build both "standard" and Swiss style MTM machines.

GibbsCAM MTM software fully supports all the functions available on standard multi-task machines and Swiss style machines, including subspindles, live tooling, Y-axis on all turrets, multiple turrets doing simultaneous machining, synchronization to optimize turret utilization and cycle times, and full 4- and 5-axis simultaneous machining, through its standard programming features and over 750 MTM postprocessors. GibbsCAM MTM also includes Cut Part Rendering, an integrated toolpath verification module. Furthermore, toolpaths generated with GibbsCAM MTM can be fully simulated, dynamically, with GibbsCAM Machine Simulation for visual verification and collision detection and avoidance.

In addition, the company will demonstrate the new 64-bit architecture of GibbsCAM. The 64-bit version of GibbsCAM will enable users to work with much larger files and to achieve faster and more accurate results with certain graphic, toolpath generation and postprocessing functions. It will also provide higher efficiency and accuracy in evaluating machining operations with toolpath rendering and machine simulation, and provide full compatibility with 64-bit CAD systems, such as SolidWorks, Solid Edge and Autodesk Inventor.

For more information about GibbsCAM, or to locate your local GibbsCAM reseller, go to <http://www.GibbsCAM.com>, call 1-800-654-9399, or email info@GibbsCAM.com.

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Isicad and upFront.eZine Organized "The Future of MCAD" Roundtable

11 September 2009

Isicad, the first ever Web portal about the Russian Product Lifecycle Management (PLM) market, and [upFront.eZine](#), weekly e-newsletter announced the successful conclusion of "The Future of MCAD" roundtable held in Moscow on September 8, 2009.

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The roundtable was a part of Ralph Grabowski's visit to Russia. Mr Grabowski is a well-known Canadian expert on CAD, journalist and editor of the CAD publication upFront.eZine. He is traveling through Russia and visiting CAD software firms in St Petersburg, Moscow, and Novosibirsk. Mr Grabowski's aim is to gain insight into the Russian CAD market, describe its current state, and understand its future prospects.

The half-day roundtable took place on September 8, 2009 in Moscow at Sheraton Palace Hotel. Its 40 attendees represented all major CAD vendors operating in Russia: ASCON, Autodesk, Dassault Systemes, LEDAS, Nanosoft, NTP Truboprovod, POINT, PTC, PTS, SibCAD soft, Siemens PLM Software, Spatial, Top Systems. Reporters from CAD & Graphics, CADpoint, CRN, DMK-Press, PC Week also attended the event.

The roundtable began with Ralph Grabowski presenting a “Review of Today’s MCAD Market: Competitors, Classification, Sales Models, and Niches,” followed by discussion, and concluded with a press conference-style question and answer session. Participants discussed trends in MCAD software and hardware, international and national markets, and MCAD journalism.

Vladimir Malukh, Director of PLM Sales and Services, LEDAS Ltd., and co-moderator of the roundtable, explained: “Isicad organized several multivendor CAD/PLM forums in Russia, but this was the first time we met without users. It was very helpful for each of us to share the vision of the future of our industry and to recognize the current problems we have to solve together.”

“Russia has its own standards, which differ from DIN and ISO,” said Ralph Grabowski. “It has a strong set of home-grown CAD vendors eager to expand to the rest of the world facing CAD vendors from The West. The problems are fascinating; it will be even more fascinating to watch them being solved.”

The text of Mr Grabowski speech and photos of the roundtable can be found at http://isicad.net/articles.php?article_num=13280

About Isicad

Under the slogan “From Russia with PLM” the Isicad.Net web portal facilitates development and distribution of advanced PLM (Product Lifecycle Management) and contiguous technologies (CAD/CAM/CAE/PDM), promotes research to form future PLM-solutions. Isicad.Net informs on the most noticeable events in PLM-related areas, covers important PLM-related news, and publishes conference proceedings.

Isicad.Ru is a leading CAD/PLM web-portal in Russian that publishes all relevant news, press releases, monthly digests, analytic papers and e-newsletter.

PLMpedia.Org (and its Russian version PLMpedia.Ru) is encyclopedic publication presenting focused, core information about PLM and ERP that form the basis of the information environment of a competitive manufacturing enterprise.

The Isicad project includes Isicad.Net, Isicad.Ru, PLMpedia.Org, PLMpedia.Ru and multivendor CAD/PLM isicad forums. All this actions are organized and supported by LEDAS Ltd.

About LEDAS

LEDAS Ltd. is an independent software development company founded in 1999; it is based in Novosibirsk Scientific Centre (Akademgorodok), Siberian Branch of the Russian Academy of Science. A leader in constraint-based technologies, LEDAS is a provider of computational software components for PLM (Product Lifecycle Management) solutions: geometric constraint solvers for CAD/CAM/CAE,

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optimization engines for project management, work scheduling and meeting planning as well as interval technologies for knowledge-based engineering and collaborative design. The company also provides services for PLM markets: software development, consulting, reselling as well as education and training. More information about LEDAS is available at <http://www.ledas.com>

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ITI TranscenData Presenting Multiple Topics at the 2009 COE Aerospace & Defense Workshop

17 August 2009

ITI TranscenData will be exhibiting and presenting at the 2009 [COE Aerospace-Defense Workshop](#) in Ft. Worth, TX on October 26-27.

[ITI TranscenData](#) has been selected to address the important topics of "Reducing Long-Term Archival Costs Through Automation", as well as the concept of "Predictive Interoperability for Manufacturing". Below you will find further details, as well as presentation times for those able to attend the conference.

“Reducing Long-Term Archival Costs Through Automation”, Monday, Oct 26, 4 – 5 pm.

The business case for long-term archival often includes factors such as data loss, disaster recovery, risk management, MRO requirements, and program restarts or modifications. But what happens when your long term archival budget is slashed? In this session, attendees will learn how to build a 3D model-based archival and retrieval plan that leverages automated processes for model verification, conversion, repair, validation, PLM extraction, archival vaulting and data delivery. Special emphasis will be placed on strategies for archiving 3D FT&A (PMI) data.

“Predictive Interoperability for Manufacturing”, Tuesday, Oct 27, 1 – 2 pm

Often the differences between a “quality” model and a “usable” model are only discovered when the model reaches manufacturing and the engineers are forced to find workarounds. Model rework or rebuilding can cause divergence from the original design intent. This adhoc approach compromises the integrity of a model-based design strategy and causes product delays, non-value-added labor costs, and part scrap. In this session, attendees will learn how to interrogate and diagnose unusable geometry, document the findings, streamline geometry repair and improve upstream design processes before they create problems on the shop floor.

ITI TranscenData also has a third presentation selected as an alternate regarding “Lessons Learned While Migrating 2D and 3D Data into CATIA V5”. This presentation examines lessons learned while helping aerospace and defense companies implement legacy data conversions into CATIA V5. Topics include complex geometry, feature construction history, assembly structure, associative drawings, FD&T (PMI), validation and automation.

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Leaders in Multiphysics Simulation to Gather for Fifth Annual COMSOL Conference

26 August 2009

COMSOL, Inc. will hold its Fifth Annual COMSOL Conference this fall. The COMSOL Conference 2009 Boston will take place on October 8-10 at the Boston Marriott Newton. This event kicks off a worldwide series of conferences dedicated to the latest developments in multiphysics modeling,

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simulation, and virtual prototyping.

A major highlight of this year's event will be the unveiling of COMSOL Multiphysics® version 4.0. The lead developers and Svante Littmarck, President and CEO of COMSOL, will demonstrate the all-new user interface that's delivering a breakthrough in multiphysics simulation for mainstream product development.

A lineup of leading industry professionals from such internationally known engineering and scientific organizations as NASA and GE Global Research will deliver keynote addresses at the COMSOL Conference 2009 Boston. Among the speakers discussing how multiphysics technology has advanced their research dramatically are:

- Edwin Ethridge, Senior Materials Scientist at NASA Marshall Space Flight Center, who will describe his work using microwaves for the extraction of water from the moon.
- Michael Vallance of GE Global Research will address the work he leads in developing a high-energy sodium battery for use on hybrid diesel-locomotives.
- Professor Marc K. Smith will discuss how he uses CFD simulations to teach fluid mechanics to undergraduate students at Georgia Institute of Technology.
- Darrell Pepper, Professor of Mechanical Engineering at University of Nevada – Las Vegas will present a benchmarking report on CFD simulation performance.

In addition to the keynote addresses, training sessions, and mini-courses, more than 100 engineers, scientists, and researchers from academia and industry will offer individual user presentations illustrating the application of COMSOL Multiphysics in their simulation projects. Presenters are drawn from a broad assortment of industries, engineering and scientific disciplines, and fields of study. Among the topics covered in the user presentations are acoustics, bioengineering, chemical engineering, earth science, electromagnetics, optical modeling, and transport phenomena. Back again this year by popular demand is the poster session, where attendees meet and discuss multiphysics projects with the presenters then vote for their favorite presentation. A record number of presenters are expected to participate in this annual event. For a full list of user presentations, visit <http://www.comsol.com/conference2009/usa/abstracts/>.

A key element of the COMSOL conference is the wide range of training opportunities and mini-courses taught by COMSOL application engineers offered to attendees. Topics cover a breadth of interests including acoustics and vibration, chemical engineering, electrochemical engineering, heat transfer, MEMS and piezoelectric simulations, microfluidics, optimization, porous media flow, and RF & microwaves. Also throughout the conference venue, hands-on demo stations staffed by COMSOL experts showcase new products and offer attendees on-the-fly insights and help with their multiphysics simulations.

Additional elements of the COMSOL Conference include an exhibition area for partner products and services, daily networking events, and a banquet dinner honoring the best technical papers and posters as voted on by the program committee and conference attendees. The experience will not end in Boston. The COMSOL Conference tour travels on, making stops in Milan, Bangalore, Shanghai, Beijing, Wuhan, Taipei, Tokyo and Seoul.

The COMSOL Conference is “one of the best conferences I have ever attended,” says Dr. William Clark, an Associate Professor of Chemical Engineering at Worcester Polytechnic Institute. “Compared to other conferences, I felt I got my money’s worth just from the outstanding plenary talks and the

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reception. Add to that the chance to hear and interact with other users doing exciting work in fields both similar and different from my own, and you have an outstanding conference. But on top of that, I was able to attend five hands-on mini-courses where I learned lots of new COMSOL tricks.”

The COMSOL Conference is sponsored by AltaSim Technologies, Microsoft, MatWeb, Simpleware, The MathWorks, World Scientific Publishing, Jones and Bartlett Publishers, Dassault Systemes-SolidWorks, Pryor Knowledge Systems. Media sponsors include NASA Tech Briefs, Design World, Desktop Engineering, CEP, and Microwave Journal. Complete details as well as registration are available online at <http://www.comsol.com/conference2009/usa/>.

Note to editors: Members of the press are invited to attend the conference at no charge. Please contact Bernt Nilsson (bernt@comsol.com) for information and free registration.

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Omnify Software to Host Sixth Annual Customer Conference

8 September 2009

What:

Empower '09, 2009 Omnify Software Customer Conference, www.omnifysoft.com/ouc.

Focused on professional development, networking, and product education, the 2009 Conference will include a line-up of customer speakers from companies such as TDP Corp., PLC Medical Systems, Inc., and Mintera Optical Networks. Speakers will cover key Product Lifecycle Management topics such as: how to manage common business functions with Omnify Quality and Project Management, how to design and execute a validation protocol to meet various FDA and ISO compliance requirements, and how to track and manage data for RoHS compliance. In addition, conference attendees will be able to get a glimpse of the latest Omnify Empower PLM product release-v4.5, take advantage of hands-on One-to-One Technical Sessions and focused Product Training Sessions with Omnify Support Professionals.

Each year the Omnify Customer Conference brings together customers, technical staff, and technology and business partners throughout North America and Europe. The conference has been described by customers as an excellent opportunity to learn how to maximize their use of the Omnify PLM technology and a valuable event they look forward to attending every year.

Who:

Omnify Software Customers and Partners

When:

Thursday, September 24, 2009 and Friday, September 25, 2009

Where:

Mohegan Sun Resort and Casino, Uncasville, CT

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Register Today for the COE 2009 Industry Workshop - Automotive

September 2009

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The [COE 2009 Automotive Workshop](#) held in partnership with GLACOE (Great Lakes COE) and Western Michigan CATIA Users Group (WMCUG), will be held November 6, 2009, at the Ramada Plaza Troy. The workshop will feature a full day of automotive industry-focused education and hands-on training driven by users of Dassault Systèmes PLM product suite.

During this critical time in the automotive industry, COE will help you get the most from your company's Dassault Systèmes installation for the **low cost of just \$49**.

Hear from top product experts with Founding Partners: Dassault Systèmes & IBM and a host of vendors and end users on the following topics:

PLM Infrastructure/PDM:

Multi-CAD Integration

Multi-Systems Integration

UNIX/Windows Coexistence

LUM Management

Multi CATIA OEM Environment Management

Design/Engineering/KBE:

V6 vs. V5 Capabilities

Automotive Interior/Exterior Design in Context

KBE-Leveraging Data Knowledge Throughout Enterprise

3D FD&T-Model Based Definition

Manufacturing/Global Collaboration:

Optimizing Tooling & Fixtures

Advanced NC Topics

DELMIA Overview

3D Virtual Collaboration

Collaborative Innovation

[Learn more](#) about this event and [register](#) at the low cost today.

Submit an Abstract to Speak at the COE 2009 Industry Workshop - Automotive

[Submit an abstract](#) to present a 45-minute presentation at the COE 2009 Automotive Workshop, in partnership with GLACOE and WMCUG. Send your application to coe@coe.org

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Siemens to Showcase Joint PLM and Production Systems Solutions for Machine Tool Industry at EMO Milano 2009

8 September 2009

Siemens will exhibit an exclusive combination of PLM software and production systems and equipment

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at EMO Milano 2009. The combined solution will be presented by [Siemens PLM Software](#) and Siemens Drive Technologies Division, the world's leading supplier of products and services for production machinery and machine tools.

EMO, a trade fair held once every two years for the world production of machine tools, systems, robots and automation products, will be held from Oct. 5 – 10 in Milan, Italy.

The software portfolio of the Siemens PLM Software presentation at this year's EMO focuses on the workpiece-oriented process chain between the initial idea for the product and the finished piece. The software fully covers the requirements for sophisticated PLM tasks across a range of industries, beginning with product development using CAD/CAM systems and the generation of programs for parts via optimization of the post processor and the CNC parameters, and extends to online and offline simulations for controlling and optimizing the manufacturing process on the PC.

“Siemens PLM Software and Siemens Drive Technologies are leading the way by bringing the virtual and the physical worlds together to provide significant competitive time-to-market and productivity advantage to our customers – the machine tool builders and the machine end users,” said Dr. Helmuth Ludwig, president, Siemens PLM Software. “Now more than ever, manufacturers across all industries need tools to enhance productivity, competitiveness and profitability, and Siemens’ solutions, which connect the virtual and physical worlds, deliver the tools to enable right the first-time manufacturing, improved utilization of equipment and enhanced product quality.”

Virtual Machine

Siemens PLM Software will exhibit its Virtual Machine technology, a complete one-to-one copy of a machine tool on a PC with full virtual Sinumerik® controller functions and machine tool simulation that will provide added value to both the end-user and the machine tool builder. This new technology will maximize machine tool productivity by eliminating the need to use the physical machine for non-production tasks. The Virtual Machine delivers the next generation of shop floor NC programming validation and off-machine set-up preparation and checking which reduces the errors and setup time while transforming the way in which machine tools are built and utilized.

For complex machining operations it can take a day to a day and a half to setup a machining tool for a new work piece which has a negative effect on the overall productivity of the machine.

INDEX Group, one of the world’s leading manufacturers of CNC turning machines, wanted to increase the efficiency of multi-function production center setup, programming, and validation. INDEX implemented Siemens PLM Software’s innovative Virtual Machine technology to increase machine tool utilization for production work, eliminate collision and reduced setup times by up to 90 percent without any additional need for training.

“The main idea of the virtual machine was to install a one-to-one copy of the machine tool on a personal computer and make it available as a tool to the machine operator,” said Eberhard Beck, Head of Electronic Control Systems, INDEX. “Virtual machining is just the beginning. In cooperation with Siemens, we will continue to optimize the process chain from engineering through to production so we will be able to produce even more economically in the future.”

To view a video case study of INDEX Group’s innovative implementation visit www.siemens.com/plm/emo.

For more information on INDEX Group visit www.index-werke.de.

Connecting Virtual to Real and Part Manufacturing

In addition to the Virtual Machine, Siemens PLM Software will demonstrate examples of extending engineering process chains from product design right to the machine tool, connecting the virtual world of engineering design and planning to the real world of the shop floor; and part manufacturing solutions that can be applied to a range of industries including aerospace, machinery, medical devices and automotive.

Optimized CAM-CNC connection with advanced post processing is a key example of connecting virtual to real. NX™ CAM software provides enhanced output to drive advanced functions on the Siemens' Sinumerik controller for higher quality surface finish, advanced tool axis control and faster machining.

To illustrate the PLM to shop floor process chain, a mold and die theme will include demonstrations of [NX](#) tool design for injection molding, high speed machining using NX CAM for NC programming, and machining simulation and advanced post processing for the Siemens Sinumerik controller. The second theme will focus on a complex part, representative of aerospace or power generation machining, with a process spanning the software functionality of NX CAD for part design and NX CAM for five axis programming. Example parts will be machined at the EMO booth using a 5-axis high speed cutting machine tool equipped with a Sinumerik 840D sl controller.

For more information regarding Siemens' presence at EMO visit www.siemens.com/plm/emo.

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Financial News

Oracle Sets the Date for its First Quarter Fiscal Year 2010 Earnings Announcement

4 September 2009

Oracle Corporation announced that its first quarter fiscal year 2010 results will be released on Wednesday, September 16th, after the close of the market. Oracle will host a conference call and live web broadcast at 2:00 p.m. (PDT) / 5:00 p.m. (EDT) to discuss the financial results. The live web broadcast will be available on the Oracle Investor Relations website at <http://www.oracle.com/investor>.

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Implementation Investments

Caché Chooses NGC for PLM and Global Sourcing

9 September 2009

[NGC](#)® (New Generation Computing®) announced that Caché, a nationwide specialty retailer of sophisticated women's sportswear and dresses, has selected NGC's e-PLM® and e-SPS® software. Caché will implement NGC's PLM and global sourcing solution as its strategic platform to improve speed to market, collaboration and efficiency throughout the retailer's product development and production process.

NGC's web-based software provides Caché with an end-to-end solution that encompasses the retailer's entire product lifecycle – including assortment planning; financial line planning; costing and pre-

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production; management of purchase orders and Work in Progress; and quality control. NGC's software also includes raw materials management, which will allow Caché to closely manage the purchase and usage of all raw material inventories located around the world. With NGC's raw materials management capabilities, Caché will be able to instantly access detailed information on raw materials in all locations worldwide at all times – a key to improving efficiency and controlling costs.

e-PLM and e-SPS streamline product design and production through centralized data that provides a "single version of the truth" and a web-based portal that greatly simplifies communications and collaboration throughout the global supply chain. The software's automated calendars automatically trigger alerts when events and activities don't happen on time – ensuring that key deadlines are met and ultimately shortening the design/production process.

"NGC's software will facilitate real-time collaboration with our vendors about styles and production orders, and will enable Caché to deliver the highest quality goods while also controlling costs and improving turnaround time," said Joanne Marselle, Vice President of Planning and Production for [Caché](#).

"The advanced tools such as factory profiling, vendor scorecards, and exception and milestone reporting offered by NGC's e-PLM will allow Caché to align itself with best suppliers, produce more efficiently, and improve margins," said Ashok Gandhi, Vice President of Finance for Caché.

"Caché is a premier women's specialty retailer, and NGC is excited that Caché has selected e-PLM and e-SPS," said Alan Brooks, President, NGC. "Today's announcement underscores the fact that, even in the midst of a recession, NGC has continued to add some of the industry's most recognized retailers and brands as customers. It's a testimony to the strength of NGC's core PLM and global sourcing solutions, and a tribute to the hard work, experience and dedication of NGC employees around the world."

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Dayang OMS Selects vPlan CAD to SMT Solution

8 September 2009

Valor Computerized Systems Ltd has been selected by Dayang OMS, a CEM services provider in Australia, to provide vPlan – Valor's next-generation, enterprise-level process engineering software solution for electronics assembly.

Dayang Electronics Manufacturing Pty Ltd is an Australian, Sydney - based company providing a broad range of electronic manufacturing services, from PCB assembly to final box build.

"As we are CEM in a low-mid volume - high mix environment, getting engineering data checked, formatted correctly and down to our SMT machines has to be as fast and accurate as possible ." stated Robert Peacock, Managing Director at Dayang. "vPlan has streamlined this process for our NPI Engineers and moved us away from tedious spreadsheet-based, manual verification processes. Although this system does work, it is time consuming and prone to human error. As we feel software is a key business driver to make our business the best it can be we feel vPlan is a good fit for Dayang OMS to provide better service, faster response and lower the hi-mix data processing costs & error. Support from ONBoard Solutions , the local Valor representative has been appreciated and we look forward to future developments."

vPlan is a solution for synchronized process engineering in an easy to use package. It is a single solution that delivers a complete, engineering process from CAD to machine, covering SMT, Through Hole

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Technology and manual assembly. It also delivers complete comprehensive and synchronized Manufacturing Process Definitions (MPD) to the production floor, and automatically generates machine specific libraries on demand (registered patent).

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EON Brings New Boeing Design To Life

8 September 2009

EON Reality is continuing to provide [Boeing](#) with a significant product differentiation through interactive photo and realistic mixed reality solutions, see [From Dreams to Reality](#).

In order for a company like Boeing to become successful, they have to have a vested interest in the success of the airline. Helping the airline to differentiate their service and by taking advantage of the benefits that the Boeing Aircraft has to offer are critical components of a successful business to business to consumer relationship.

To cost effectively provide this service to its customers, Boeing has built a data base full of interactive 3D stereo models which are easily reconfigured and combined to meet the marketing needs of the airlines. The content database allows Boeing the ability to offer its' customers photo realistic 3D models which can be purposed for marketing, training or education at a fraction of the cost and in a fraction of the time it would take a film crew to create a similar piece.

About EON Reality

EON Reality, Inc. is a leading interactive 3D visual content management and virtual reality software provider. Industry leaders, including [Atlas Copco](#), [Bechtel](#), [Boeing](#), [Bombardier](#), [Hon](#), [Intel](#), Lexus, Lufthansa –Teknik, [Peterbilt](#), [Samsung](#), [Siemens Medical](#), [Suzuki](#), [Toyota](#) and [Whirlpool](#) use EON solutions to enhance the interactive user experience to effectively increase sales, better communicate product functionality and decrease the cost of service, training and technical support. For further information, visit www.eonreality.com.

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Fashion Accessories Icon LeSportsac Selects RLM FashionManager ERP Solution

9 September 2009

RLM Apparel Software Systems (<http://www.ronlynn.com>) announces that Brand Science dba LeSportsac (<http://www.lesportsac.com>), a leading American brand of stylish yet functional rip-stop nylon bags has begun implementation of the Fashion Manager™ enterprise resource planning (ERP) software at its New York headquarters. When in full production late this summer, the system will be used by approximately 40 users and replace the company's legacy business system. FashionManager promises to streamline LeSportsac's supply chain and demand fulfillment processes by adding powerful new seasonality, foreign currency, open stock management, and pre-configured third-party warehouse integration capabilities.

Despite challenging economic times, LeSportsac is making the investment in the new business solution as part of a strategic business plan to advance competitiveness. "Implementing FashionManager will provide important system functionality guaranteed to modernize our production and order fulfillment processes. Now more than ever, it is critical for businesses to pursue every strategic advantage", said

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President and Chief Operating Officer Steven Jacaruso.

LeSportsac chose RLM's FM On-Premise™ platform that will run on the company's in-house network and deliver a lower total cost of ownership than the company's previous system. The fashion industry-specific ERP solution will also provide the company with financial management and reporting, sales order management, product lifecycle management (PLM), production and inbound shipment tracking, electronic data interchange (EDI), and factor interface.

"We are pleased to be selected by LeSportsac", stated Andy Lynn, vice president of business development at RLM. "The global nature of their business and their need for a fully integrated fashion business solution makes for a great match."

At Since its founding in 1974, the LeSportsac bag has become an American icon, revolutionizing the Accessories industry with the introduction of its Classic Collection: fold in pouch, rip-stop parachute nylon travel bags and accessories. Thirty-five years later LeSportsac is sold in over 20 countries worldwide and is available at company-owned retail stores, www.lesportsac.com, department stores, duty free shops and other specialty stores.

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Hytrol Conveyor Company Selects IFS Applications for Configure/Engineer-To-Order Manufacturing

8 September 2009

IFS announced that Hytrol Conveyor Company ([Hytrol](#)), a major manufacturer of conveyors and conveying systems, has chosen IFS Applications to support its strategic initiatives by streamlining its business practices, reducing cycle times and expanding customer relations. The solution will be implemented at Hytrol's factory and technology center both located in Jonesboro, Arkansas.

Hytrol chose IFS Applications to replace its inflexible 20-year-old software solution, and will implement components for financials, supply chain, engineering, manufacturing, sales and marketing, service and maintenance, project management, document management, quality management, human resources and business analytics.

IFS was selected for its proven depth and breadth of product functionality, ease of use, and track record of success in similar companies, according to Hytrol officials. "We were looking for an enterprise software package that would enable us to better manage both complex ETO and CTO projects, and after evaluating several leading vendors, we found that IFS offers the strongest solution on the market," Hytrol Director of IT Steve Bell said.

"At [IFS](#), we have been developing applications for complex engineered products for over 20 years," IFS North America President and CEO Cindy Jaudon said. "We provide the experience and the industry-specific tools to help engineer-to-order and mixed-mode machinery manufacturers become leaner, more agile, and better equipped to deliver their products on budget, on time, every time."

Industrial manufacturing is one of IFS' seven targeted market segments. IFS has a broad customer base in the industry, focusing on medium to large-sized manufacturers that need support for complex order-driven and mixed-mode manufacturing across the extended enterprise. With strong support for project management, engineering, constraint-based scheduling, product configuration, and after-sales support, IFS' component-based business solutions are designed to help companies improve quality, contain costs, and improve their competitive position in manufacturing industry segments such as machinery, defense,

CIMdata PLM Industry Summary

fabricated metal products, and plastics. Industrial manufacturing companies also benefit from IFS' lifecycle management solution, which goes beyond product lifecycle management (PLM) to provide better integration and management of three critical business areas—products, customers, and resources—throughout their lifecycles.

IFS Industrial Manufacturing customers include Aeromatic-Fielder, Star-Cutter, J&H Machine Tools, Kongsilde, Nolato Group, Bombardier, Colfax Corporation, Chief Industries, Inc., Partnertech AB, Stolle Machinery, Vökl and Tour & Andersson.

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Korea Aerospace Industries Cuts Electrical Design Time Using Mentor Graphics CHS Tools

9 September 2009

Mentor Graphics Corporation announced that [Korea Aerospace Industries](#) (KAI), a manufacturer of fixed and rotary wing aircraft, has been able to reduce significantly the time needed to design the electrical wiring system of its newest platform. The Korean Helicopter program is scheduled to first fly early in 2010. For this project, KAI decided to use tools within Mentor's [CHS](#)TM product family, with the objective of improving process efficiency for this complex task.

The development of this helicopter has reached an important milestone with the release of a complete set of electrical wiring designs, so valid comparisons can be made with previous methodologies.

Specifically, KAI has achieved a 20% reduction in wiring system design time compared with their previous norms. KAI said, "CHS gives us a substantial productivity boost. Not only are the tools easy to use, they also provide superior automation and ensure a high level of data correctness, thus cutting the time needed to develop the very complicated interconnect wiring found on a modern helicopter. And we can extend our use of the tools to achieve yet more efficiency improvements, for example by exploiting CHS's web-based data reporting capability."

KAI used Mentor's CHS [Capital](#)[®] [Logic](#) software, supplemented by CHS electrical simulation and 3D MCAD integration applications, to create several hundred detailed wiring schematics representing the new helicopter's electrical system. Because the CHS product employs a highly data-centric paradigm, many design tasks — such as the management of objects shared across multiple schematics — can be significantly automated, reducing both design and validation time. Martin O'Brien, general manager of Mentor's Integrated Electrical Systems Division, said, "KAI is a textbook example of an organization leveraging CHS's technical power to achieve real business benefits. Wiring design often occurs late in a platform's development cycle, so time savings have a genuine impact. As regulatory requirements relating to aerospace wiring become increasingly onerous, we expect more and more attention to be paid to this area."

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Madura Garments starts Lawson Fashion PLM

3 September 2009

[The following was translated from French using Google language tools]

Lawson Software announced that Madura Garments, Indian textile company, started the Lawson Fashion Product Lifecycle Management (PLM). Lawson Fashion PLM is a complete solution for

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retailers and manufacturers of clothing, footwear, home textiles and accessories. This is a web application suite that facilitates the management of products, from design to production. In a context of growth and increased competition, Madura Garments had to streamline its business processes.

"We evaluated several systems and chose Lawson Fashion PLM best suited to our current and future needs," said Neeraj Pal Singh, Vice President of Information Systems at Madura Garments. "We are already seeing the contributions of features that help us better manage our products from conception of an item until it is ready to be put on the shelves in stores.

The deployment gave Madura Garments opportunity to review its processes to gain efficiency. With Lawson Fashion PLM, the user can structure the process and gain greater transparency of information about its supply chain. Moreover, [Lawson](#) Fashion PLM to manage product development in parallel, reducing the time required for new collections and reduces time-to-market.

Previously, information on key subjects of the plants were not collected efficiently; Madura was not able to reuse the information collections and seasons. Lawson Fashion PLM can now import information directly from the system and uses an advanced search tool to locate appropriate material. "We already are experiencing the benefits of the implementation of Lawson Fashion PLM. This allowed us to capture information on the materials from the factory, but also win 2 to 3 weeks in the application process samples," said Natwarlal Bhattad, Group Product Development Manager at Madura Garments.

Similarly, all specifications were followed manually in a spreadsheet. Now Lawson Fashion PLM manages the data within a single server. The module Lawson Fashion PLM Workflow provides tools to identify bottlenecks and alerts users to possible missed deadlines in the calendar.

The analytical reporting have been developed to facilitate decision-making. "Our first objective was to improve visibility from design to pre-production and extend it to stores," said Natwarlal Bhattad.

Prasham Kamdar, Managing Partner at Ptex Solutions, the leading PLM partner of Lawson, said: "the requirements of Madura Garments have been more difficult than most of PLM implementations. I am delighted that we have met all expectations. "

"We are very pleased to have completed this project with our partner Ptex Solutions," said David Hope, finally, Vice President & Managing Director, Lawson Asia Pacific. "Ptex played a strong role in the implementation of Lawson Fashion PLM solution for our customers. The success of this project, among others, shows the high level of competence and professionalism of the consultants.

Original press release:

Madura Garments démarre Lawson Fashion PLM

Lawson Fashion Product Lifecycle Management accélère le délai de mise sur le marché des produits Madura.

Paris (Osny), le 3 septembre 2009 - Lawson Software annonce que Madura Garments, société de textile indienne, a démarré la solution Lawson Fashion Product Lifecycle Management (PLM). Lawson Fashion PLM est une solution complète pour les revendeurs et fabricants de vêtements, de chaussures, de textiles de maison et d'accessoires. Il s'agit d'une suite applicative web qui facilite la gestion des produits, depuis la conception jusqu'à la production. Dans un contexte de croissance et de concurrence accrue, Madura Garments devait rationaliser ses processus métier.

« Nous avons évalué plusieurs systèmes et choisi Lawson Fashion PLM qui répondait le mieux à nos besoins actuels et futurs », déclare Neeraj Pal Singh, Vice President of information systems chez Madura

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Garments. « Nous percevons déjà les apports des fonctionnalités qui nous aident à mieux gérer nos produits depuis la conception d'un article jusqu'à ce qu'il soit prêt à être mis en rayon dans les magasins ».

Le déploiement a donné à Madura Garments l'opportunité de revoir ses processus pour gagner en efficacité. Grâce à Lawson Fashion PLM, l'utilisateur peut structurer les processus et bénéficier d'une meilleure transparence des informations sur sa chaîne logistique. Par ailleurs, Lawson Fashion PLM permet de gérer le développement des produits en parallèle, ce qui réduit les délais des nouvelles collections et réduit le délai de mise sur le marché.

Auparavant, les informations sur les matières clés des usines n'étaient pas collectées efficacement ; Madura n'était donc pas en mesure de réutiliser les informations des collections et des saisons. Lawson Fashion PLM permet désormais d'importer les informations directement depuis le système et utilise un outil de recherche avancé pour localiser les matières appropriées. « Nous expérimentons déjà les avantages de la mise en œuvre de Lawson Fashion PLM. Cela nous a permis de capturer les informations concernant les matières depuis l'usine, mais aussi de gagner 2 à 3 semaines dans le processus de demande d'échantillons », commente Natwarlal Bhattad, Group Manager Product Development chez Madura Garments.

De même, toutes les spécifications techniques étaient suivies manuellement dans un tableur. Désormais, Lawson Fashion PLM gère les données au sein d'un serveur unique. Le module Lawson Fashion PLM Workflow fournit des outils pour identifier les goulets d'étranglement et alerte les utilisateurs sur d'éventuelles échéances non respectées dans le calendrier.

Des reportings analytiques ont été développés pour faciliter la prise de décision. « Notre premier objectif a été d'améliorer la visibilité de la conception à la pré-production et de l'étendre aux magasins », ajoute Natwarlal Bhattad.

Prasham Kamdar, Managing Partner chez Ptex Solutions, principal partenaire de Lawson PLM, ajoute : « les exigences de Madura Garments ont été plus difficiles que la plupart des implémentations PLM. Je suis ravi que nous ayons répondu à toutes les attentes ».

« Nous sommes très contents d'avoir mené ce projet avec notre partenaire Ptex Solutions », déclare enfin David Hope, Vice President & Managing Director, Lawson Asie Pacifique. « Ptex a joué un rôle fort dans l'implémentation de la solution Lawson Fashion PLM chez nos clients. Le succès de ce projet, entre autre, montre le niveau élevé de compétence et de professionnalisme des consultants ».

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Magma Camelot CAD Navigation Software Adopted by Analytical Solutions for Failure Analysis

9 September 2009

[Magma® Design Automation](#) announced that [Analytical Solutions](#), a leading parts and failure analysis laboratory service provider, has adopted the Camelot CAD Navigation software to enhance its failure analysis, construction analysis and destructive physical analysis capabilities. Analytical Solutions selected the Magma software after results of an extensive evaluation demonstrated Camelot's ability to rapidly convert layout, netlist and design files into a common format for cross mapping circuits. Leveraging Camelot's capabilities, Analytical Solutions will be able to accelerate root cause failure analysis of its customers' electrical and electronic components.

"Camelot is the de facto standard in failure analysis but we conducted an evaluation to ensure that it was

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a good fit for our requirements," said Michael Strizich, president, Analytical Solutions. "The software performed flawlessly and the support we received was outstanding. We're confident that Camelot will enhance our ability to service our customers by improving our failure analysis accuracy and throughput."

"Fast, accurate failure analysis is critical to minimizing costs and ensuring reliability of electronic components in the field," said Ankush Oberai, vice president of Magma's Fab Analysis Business Unit. "Analytical Solutions' comprehensive evaluation and adoption demonstrates why, for more than 20 years, in-house failure analysis teams and service providers have relied on Camelot to transform raw data into vital information that is key to successful root cause failure analysis."

Camelot: Industry-Standard CAD Navigation

With thousands of users worldwide and installations in nearly every wafer fab and service lab, Camelot is the industry-standard software tool for failure analysis, fault diagnostics and design debug. Camelot imports CAD design data including GDSII files, netlists and schematics from leading layout versus schematic (LVS) packages to provide visual representation and cross-mapping of circuits. Linked to analytical tools, Camelot automatically drives test equipment to an exact location on a chip for viewing and analysis. Magma's YieldManager™ and Logic Map™ complement Camelot by helping to link the failure analysis information to the fab databases to enable rapid yield debug.

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Maria Grachvogel Debuts Her Spring 2010 Collection at New York Fashion Week

11 September 2009

[Lectra](#) announced that renowned London-based fashion designer, Maria Grachvogel, will unveil her Spring 2010 fashion collection in her first US Fashion Show on September 13th at the Altman Building. Maria Grachvogel's Spring collection was created using expert fashion-dedicated design, pattern-making, and marker-making solutions by Lectra.

In conjunction with Maria's debut at New York Fashion Week, Lectra will also host a Lunch and Learn at the Lectra Loft (25 West 39th Street, 4th floor) on Monday, September 14, 2009. Lectra's Design and Pattern-making Seminar will begin at 12pm. The presentation will include an overview of the technologies Maria Grachvogel used to develop her most recent collection. Lectra's Design Solutions experts will demonstrate how consistent design and color palettes used in Kaledo and key patterns in Modaris can be brought together by importing designs and patterns in Kaledo. Finally, Maria Grachvogel will explain how Lectra solutions help her turn her imaginative designs into reality and answer questions from the audience. To register, email h.mccready@lectra.com.

The new Maria Grachvogel Spring 2010 collection will be unveiled for the first time in the US at the Altman Building in NYC at a tea party. The brand's defining qualities, which have become recognized worldwide, stem from Maria's gift for combining feminine strength with refined elegance and exquisite craftsmanship, as well as her celebrated fit that perfectly shapes the female form.

Each garment presented during the show has been uniquely designed, developed, and produced using Lectra's Kaledo, Modaris, and Diamino expert fashion-dedicated solutions. "I believe that great design combines art and functionality, so creativity, cut and fit are all equally important in my work," says Maria. "With Lectra's solutions, I know I can depend on the quality and consistency of the result. My time is freed up for reaching those exceptional levels of creativity that can only come when everything

else is in place. I can count on Lectra not only to support my creativity but to inspire it."

Kaledo® is Lectra's professional design software platform developed especially by Lectra's research and development teams for fashion designers. It delivers a visual, virtual environment for creating and managing fashion collections and offers a multitude of design options and possibilities for an infinite range of creative opportunities. Kaledo is even flexible enough to handle the limitless creative concepts of designers like Maria Grachvogel. Processes are streamlined and tedious tasks eliminated, resulting in maximum efficiency.

Modaris®, Lectra's benchmark pattern-making solution especially designed for the fashion market, makes pattern creation easy, consistent, and fast. Pattern-makers can capitalize on their knowledge while ensuring the quality and fit of their products in all sizes. Modaris' features are so reliable that Maria Grachvogel insists on keeping her pattern-making in-house, using Modaris, in order to guarantee that all her models maintain her world-famous fit and hang. Powerful yet user-friendly, Modaris reduces the product development cycle while improving communication among the various actors at each step of the process, yielding high-quality results.

Using Diamino®, Lectra's high-technology solution for marker-making, fashion professionals can significantly speed up the marker-making process and improve material efficiency. New markers can be generated quickly using acceleration functions such as piece duplication, analogy, and substitution or addition of sizes or styles. For patterned fabrics and even highly detailed prints such as those in the [Maria Grachvogel](#) collections, Diamino optimizes marker-making in order to maximize efficiency while respecting the alignment of motifs in connecting pieces. Diamino's Shaker function tightly packs markers automatically using advanced algorithms.

About Maria Grachvogel

Established in 1994 and shown for the first time at London Fashion Week in 1995, the Maria Grachvogel label is a secret of many of the world's most stylish women including Angelina Jolie and Emma Thompson. The flagship store on Sloane Street, which opened in 2001, has seen each collection evolve with ever more ingenuity, reinforcing her unique brand of modern couture.

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PTC Extends PLM Leadership with Otis Elevators' Switch to Windchill

8 September 2009

[PTC](#)® announced that Otis Elevator Company, the world's leading manufacturer and maintainer of people-moving products including elevators, escalators and moving walkways, has made a decision to switch to PTC Windchill. Otis is standardizing on Windchill as its global content and process management solution for its PLM initiatives to improve design and manufacturing efficiencies that accelerate time to market of new products.

"[Otis](#) needed a PLM system that would give all our product stakeholders the ability to access, work on and share the most updated information on our extensive product lines," said Tom Saxe, vice president worldwide engineering, Otis Elevator Company. "Windchill provides the flexibility and broad capabilities we need to manage heterogeneous CAD data, improve concurrent engineering worldwide and streamline data delivery to our manufacturing sites in a global development environment."

For companies like Otis that need to design and manufacture equipment across many global sites, the requirement for an effective PLM architecture that can manage tens of thousands of uniquely-designed

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parts, thousands of users submitting daily engineering changes, and hundreds of suppliers spanning dozens of manufacturing sites, is essential. PTC's Windchill enables Otis to create a well-defined and orderly process for how informal and formal changes to product designs are proposed, evaluated, implemented and documented. Windchill delivers a best practice change-process strategy that enables all product development stakeholders to instantly access all necessary data in order to improve product quality, reduce product costs, minimize product inventory, and improve time-to-market by minimizing manufacturing downtime.

"Otis is a recognized industry leader and a strategically important account for PTC. Its selection of Windchill as the backbone of its enterprise PLM system further underscores PTC's technology leadership position in product development," said James E. Heppelmann, president and chief operating officer, PTC. "We look forward to working with Otis to support innovation, drive efficiencies throughout their product development processes and ultimately increase their competitive advantage."

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Siemens AG Adopts Teamcenter Software as its Corporate-Wide Standard

8 September 2009

[Siemens PLM Software](#) announced that Siemens AG has adopted [Teamcenter® software](#) as its corporate-wide standard for product data management (PDM). Teamcenter will serve as the foundation for Siemens' PLM process.

"Siemens is an innovation leader and sets major technological trends in all its businesses," said Dr. Norbert Kleinjohann, CIO, Siemens AG. "PLM is an essential enabler of innovation. Teamcenter has the proven breadth of functionality, scalability and low cost of ownership to create value for all our diverse businesses."

The PDM software tools in Teamcenter deliver core functionality for the complete PLM process. As Siemens' new corporate standard, Teamcenter will address functional areas in engineering and product design – such as product structure management, configuration management, product structure workflow and release management – in all of its deployments throughout the Siemens global enterprise.

The decision to standardize on Teamcenter is effective immediately and applies to all Siemens units and majority holdings.

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SWEP Selects Siemens PLM Software's Teamcenter as its Corporate-Wide PLM Platform

9 September 2009

[Siemens PLM Software](#) announced that [SWEP](#), one of the world's leading suppliers of brazed heat exchangers, selected [Teamcenter®](#) software as its corporate-wide PLM solution and will deploy 200 seats when fully implemented.

"With Siemens PLM Software we see an opportunity to invest in a new enterprise solution for product development that will enhance our competitive edge and continue to help further our growth," said Anders Lundblad, CFO and Vice President, at SWEP.

Teamcenter enables SWEP to effectively collaborate by sharing design and product information at

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distributed design centers and to manage multiple CAD-data within a single PLM solution.

“Teamcenter will support SWEP’s ambition to build a truly global company. With a global R&D organization it is essential to have a PLM application for storage and distribution of different types of data and to support our innovation and development processes. We expect to improve project quality, time to market and customer value by implementing Teamcenter”, said Eric Mencke, Head of Research & Development, SWEP.

“The additional functionality that Teamcenter delivers including transparent manufacturing solutions was a decisive factor for SWEP to choose Teamcenter”, said Staffan Selander, CIO at SWEP.

The selection of Teamcenter was made in a competitive bid and the order is worth more than four million SEK in licenses and additional services.

“The selection of Teamcenter as the corporate-wide PLM solution by an industry leading company like SWEP is a testament to Siemens PLM Software’s ability to develop best-in-class PLM technology,” said Mats Friberg, vice president and managing director, Nordic Operation, Siemens PLM Software. “We look forward to helping SWEP enhance product development capabilities to meet the challenge of turning more ideas into successful products.”

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TOMCO Wins More Business With WorkNC

10 September 2009

The Japanese company TOMCO Co Ltd based in Maebashi City, Gunma Prefecture, chose WorkNC for its 3 and 5-axis programming because of its ease of use. Specializing in machining complex parts such as power train components for the automotive industry and hard and brittle parts for industrial machinery applications, TOMCO prides itself on delivering high technology and high quality components with the some of the shortest lead times in the industry. Founded in 1953, TOMCO installed its first NC machine in 1973 and moved entirely to CNC machining for all operations in 1980.

Haruki Matsui, General Manager Operations Department, explains the reasons for looking for a new CAM system. “The CAM software we had at the time sometimes took an enormous amount of time to create NC code, and we also needed a new system for our increasingly complex 3D machining requirements. Our main criterion was that the new system must be easy and intuitive to operate.”

The company evaluated several CAM systems, which included performing cutting trials, and chose WorkNC for its ease of use, the quality of its cutterpaths, its reputation, and because of recommendations from other leading manufacturers. Haruki Matsui says, “WorkNC certainly met our expectations. It lives up to its claims that it is easy to use and implement, unlike our old software, which required a lot of adjustments to its cutting strategies to achieve a satisfactory result. We also found that WorkNC’s toolpath editing facilities were first class, enabling us to get exactly the cutterpath we wanted very simply indeed.” TOMCO had recently installed a 5-axis machining center, so the automated 5-axis programming capabilities of WorkNC were also an important benefit.

Not only did TOMCO simplify its 3 and 5-axis programming, but it also achieved some critical lead-time reductions. Haruki Matsui adds, “A job that took three hours on our old CAM system can now be completed in five minutes with WorkNC. It has helped us to maximize our productivity and profitability by enabling us to handle more work, faster. We can also utilize our resources more effectively, spending extra time on other functions and on improving our operational efficiency.”

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To demonstrate its technological capabilities, TOMCO used WorkNC to machine a scale model of a Kabuto, the ornate helmet worn by Samurai warriors. Collaborating with Sescoi, TOMCO engineers commenced with a 3D scan of an original Kabuto which was then manipulated in CATIA V5 ready for machining in WorkNC. Starting from a solid block they used the software's powerful roughing, semi-finishing and finishing routines in 3-axis and 5-axis to reach deep inside the part with the shortest and most rigid cutters possible.

The finished helmet now often takes pride of place on [Sescoi](#)'s booth at leading industry shows, a testament to the power of the software and the skills of the TOMCO engineers.

TOMCO particularly likes the automatic toolpath creation and interactive toolpath editing in WorkNC. Haruki Matsui says, "Prototype parts demand rapid delivery, and the speed of program preparation has enabled us to cut lead times from one week to two days." Other features which TOMCO finds especially useful include the analysis function which color codes radii, so that the right tools can be selected from the tool library; the dynamic cross section and semi-transparent part views, which make it easy to examine complex parts; and the 3D stock model which eliminates unnecessary retract and air cutting moves.

Handling large and complicated CAD files is a daily task at TOMCO, so WorkNC's ability to achieve error free import of data is very important. Haruki Matsui adds, "WorkNC manipulates even very large files, such as the one we imported when machining the Kabuto helmet, very rapidly and without any problems. With other CAM systems we have had problems selecting surfaces and profiles. This is not the case with WorkNC, which allows us to operate smoothly every time."

He concludes, "WorkNC is the best software we have for 3 and simultaneous 5-axis machining. Our engineers prefer it by far, and it is used much more than any of the other CAM systems we have. Since we installed it we have been able to greatly increase the amount and range of complex 3D machining we can undertake, it has definitely enabled us to win more business."

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Turkish Aerospace Industries Selects VISTAGY's FiberSIM® Software to Accelerate UAV Development Program

9 September 2009

VISTAGY, Inc. announced that [Turkish Aerospace Industries, Inc. \(TAI\)](#) has purchased [FiberSIM® software](#) to streamline the design-to-manufacturing process of complex composite parts for the Turkish Indigenous Medium Altitude Long Endurance (MALE) Unmanned Aerial Vehicle (UAV) – TIHA Program. FiberSIM will be used to perform detailed part design, generate flat patterns, and compile and distribute manufacturing data and documentation for fuselage skins and frames, fairings, landing gear keel beam structures, wing and tail skins, spars and ribs. The use of FiberSIM will help TAI efficiently design composite parts that are tuned for the unique requirements of specific manufacturing processes and constraints, ultimately improving product performance and reliability while reducing development time and manufacturing cost.

This sale continues a long-standing relationship between the companies and expands the use of FiberSIM within TAI. Previously, TAI used FiberSIM to design and manufacture composites parts for the Airbus A400M military transport aircraft and is currently using it on the development of the HÜRKUŞ primary and basic trainer aircraft secondary structures which are made of composites.

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“The growing acceptance of UAS (unmanned aerial systems) aircraft to perform the 'dull, dirty and dangerous' missions in place of human pilots has resulted in a dramatic upsurge in their use,” said Chris Red, editor and vice president of market research for Composite Market Reports. “Approximately \$1.5 billion was spent globally during 2008 on UAS aircraft and procurement is expected to grow 300 percent over the next decade. Production of related advanced composites is expected to grow at an even faster rate.

“The development and production of unmanned aircraft therefore represents one of the most exciting and dynamic segments of the global aircraft industry. The ability to design light-weight, robust composite structures is essential to enabling engineers to create ever-more capable systems and get them into the hands of war fighters.”

“VISTAGY’s experience and expertise in composite design methodologies was a key factor in our decision to purchase FiberSIM for our UAV program,” said Dr. Gursel Erarslanoglu, manager of structure engineering for TAI’s Integrated Aircraft Systems Group. “FiberSIM enables us to design composite parts and transfer manufacturing data to the factory floor in a fast and reliable way, thanks to its user-friendly interface. VISTAGY software, support and services have been instrumental over the years in helping us increase our development capacity and keep pace in this dynamic growth market.”

“We’re pleased to expand our relationship with one of the world’s premier aerospace organizations to help them deliver composite parts and assemblies to market on time and on budget,” said Scott Carlyle, vice president of worldwide sales for VISTAGY. “The rapid growth in the demand for UAVs makes it an attractive market to pursue. We’re confident that the combined acumen of both organizations and FiberSIM’s proven ability to streamline the composites engineering process will help TAI continue to expand its business and meet its goals in this industry sector.”

About Turkish Aerospace Industries, Inc. (TAI)

TAI is the center of technology in design, development, manufacturing, integration of aerospace systems, modernization, modification, after sales support in Turkey. Its modern facilities are furnished with high technology machinery and equipment. TAI is the prime contractor of Turkish UAV and Attack/Tactical Reconnaissance Helicopter programs, engaged also in indigenous design-development of MALE UAV and Primary and Basic Trainer aircraft. Additionally, TAI is the prime contractor of the avionic modernization of C-130s and T-38 trainers of TuAF. Other major modernization programs include: cockpit conversion of S-70 helicopters, EW retrofit and structural modifications on F-16s and MPA/MSA modification of the CN-235. TAI participates in the custom satellite development program of Turkey and will be the local integrator company for the International Satellite Acquisition Programs. TAI is also a key player in number of global international design and development programs, such as the Joint Strike Fighter and the A400M. The company is engaged in aerostructures manufacturing for customers worldwide, and acts as sole source supplier for some components. TAI is headquartered in Akıncı, Ankara, Turkey and can be reached at +90 312 811 1800 or by visiting www.tai.com.tr.

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Vancouver Transportation Network Project Captures Autodesk BIM Experience Award

10 September 2009

[Autodesk](#), Inc. has announced that H5M has been selected to receive the latest [Autodesk BIM Experience Award](#). H5M is a design joint-venture team comprising engineers from [Hatch Mott MacDonald](#) (HMM) and the [MMM Group](#).

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The H5M team is being honored for its innovative application of a [building information modeling](#) (BIM) process for the \$2.46 billion (CDN) [Port Mann/Highway 1](#) (PMH1) project for the Ministry of Transportation of British Columbia. The H5M team is also being recognized for its use of Autodesk software for BIM, including [AutoCAD Civil 3D](#) software, to help create a sustainable solution designed to manage traffic congestion and accommodate growth through 2031 and beyond.

Initiated in 2007, the PMH1 project is part of the Ministry of Transportation's Gateway Program, which is designed to address current and future transportation needs in the greater Vancouver area. The project is one of the largest transportation network projects currently under way in North America, and involves the construction of a new Port Mann Bridge and widening 37 kilometers of Highway 1, the Trans-Canada Highway linking Vancouver to the rest of British Columbia and Canada. Other onshore work includes reconstruction of 13 interchanges, construction or rehabilitation of more than 42 bridges, and the reconstruction of a complex highway interchange at the end of the Port Mann Bridge. Design and construction are expected to take five years, and must accommodate existing traffic. As of August 2009, the project design is about 40 percent complete.

"BIM and a shared core AutoCAD Civil 3D model have helped boost our productivity, enhanced our design coordination and decision making, and improved conflict checking and overall multi-discipline collaboration," said Chris Mealing, design manager at H5M. "It has made it possible for our design team to remain ahead of the contractor's schedule on this exceptionally complex highway and bridge project. Our success to date is also due to training and implementation services from [IMAGINiT Technologies](#) and ongoing support by the [Autodesk Consulting](#) team."

H5M's BIM Experience

In 2008, the H5M joint-venture committed to using a BIM process for the entire PMH1 project. The H5M team currently has more than 60 licenses of AutoCAD Civil 3D, supported by numerous [AutoCAD](#) software licenses, for its work on this fast-track project. To date, applying a BIM approach and using AutoCAD Civil 3D software has enabled:

Development of an integrated project model to support detailed design

Efficient design evaluation and evolution

Improved conflict identification and resolution

Enhanced project documentation and visualizations

Constructor support, particularly for survey, quantities and machine control

The [Autodesk BIM Experience Award](#) celebrates professionals and educators around the world who are helping to drive industry transformation through building information modeling (BIM). Autodesk honors organizations for their innovation, leadership, and excellence in implementing BIM with the help of core BIM products, including one or more of the Autodesk Revit platform products and/or AutoCAD Civil 3D software, and other Autodesk products that complement the BIM process.

BIM is an integrated process that allows architects, engineers and builders to explore a project digitally before it's built. Coordinated, reliable information is used throughout the process to design innovative projects, accurately visualize appearance for better communication, and simulate real-world performance for better understanding of important characteristics such as cost, scheduling and environmental impact. In addition to the PMH1 project, other opportunities around BIM in British Columbia include a [Digital Cities](#) pilot currently underway between the City of Vancouver and

Autodesk. This initiative is helping to build out an intelligent collaborative city and regional model to support a greater number of BIM or "model-based" projects and planning efforts in the future.

AutoCAD Civil 3D software, the building information modeling (BIM) solution for civil engineering, helps project teams create, predict and deliver transportation, land development and environmental projects more efficiently. AutoCAD Civil 3D helps civil engineers explore more what-if scenarios and optimize project performance with visualization and analysis tools such as geospatial and stormwater analysis, quantity takeoff and interactive 3D simulations.

About H5M

H5M is the design joint-venture team of Hatch Mott MacDonald (HMM) and the MMM Group. H5M is leading a team of 12 engineering firms in the design of all onshore works for the PMH1 project in British Columbia, Canada. Serving as the senior partner on the H5M joint-venture team, HMM is a 1,900-person, full-service infrastructure, transportation and environmental engineering company.

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Product News

Accurate Documentation From 3D CAD Designs With Improved Authoring Tools

8 September 2009

Cortona3D announced the latest release of the Cortona3D Rapid tools range. Allowing users to speed the process and reduce the costs of after-sale documentation production, the new features of the Rapid tools family are further extended by the launch of two new modules - RapidDataImport and RapidPDF - which expand import and output options.

Cortona3D software gives manufacturers the ability to provide more efficient and effective technical documentation – parts catalogs, technical manuals, operating procedures, assembly instructions and training materials. Rapid tools are proven in use on projects run by [Boeing](#) and [The European Space Agency](#) amongst many others.

RapidDataImport from Cortona3D offers users the ability to import certain native CAD formats into the Cortona3D Rapid tools. Direct connection of CAD design data with the Rapid applications ensures consistency of engineering data used in customer documentation, eliminates re-input inaccuracies and further streamlines the process from design to documentation.

A second new package, RapidPDF, provides the ability to publish output as 3D Adobe® PDF compatible files. The 3D output is published from the Cortona3D Rapid tools to a user defined Adobe PDF template. The ability to edit these Adobe PDF templates is included with the RapidPDF module. View and interact with the 2D and 3D output using Adobe Acrobat®. Adding PDF to the existing output options allows users easier access to output, using an application many will already be very familiar with.

General improvements to the RapidManual, RapidCatalog and RapidLearning tools include:

- Improved support for 2D images
- Performance improvements
- Improvements in creating training applications (RapidLearning only)

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- Improved licensing procedure
- Support for Mozilla Firefox 3.0
- Other Authoring improvements

For a full listing of all new features and benefits please [click here](#)

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ANSYS and SpaceClaim Streamline Engineering Design and Simulation Driven Product Development

9 September 2009

ANSYS, Inc. and SpaceClaim announced a licensing and distribution agreement to offer SpaceClaim 3D Direct Modeling as an option within the ANSYS Simulation Driven Product Development™ process. This new ANSYS offering will enable product development and design engineers who are not CAD experts to create and modify 3D geometry models. As a result, engineers can import models from any major CAD system, prep with direct modeling, and move simulation earlier in the product development process, where it can have the most impact on design and cost.

Now available to ANSYS engineering customers worldwide, ANSYS® SpaceClaim Direct Modeler™ fully interoperates with ANSYS® 12.0 and 11.0 software as well as ANSYS® Workbench™ 2.0. It is based on SpaceClaim Engineer, a CAD-neutral 3D direct modeler for importing, repairing, and preparing models for intense engineering analysis. Because direct modeling is highly flexible, it empowers a broader cross section of product development engineers to perform 3D modeling. Users may import CAD models without any “baggage,” such as existing parametric or history-based settings. Complex models, for example, can have thousands of parameters, any of which may come into conflict with others when the user attempts to modify the geometry. In contrast, direct modeling imports a clean instance of the 3D model from the native CAD system, leaving behind all history-based parameters.

“Together, SpaceClaim and [ANSYS](#) provide an optimal environment for streamlined engineering simulation and can help our customers launch products with a higher probability of market success,” said Jim Cashman, president and CEO of ANSYS, Inc. “Our software is intentionally open and flexible, designed so it can interoperate with the broader engineering simulation ecosystem to extend efficiency and functionality. Part of Simulation Driven Product Development is reducing the hand-offs between different functional groups within an organization — because each hand-off is a potential bottleneck. Through this partnership, we empower engineering analysts to create and modify 3D geometry models early in the product development process, then virtually and quickly test their operational performance. The ultimate benefit is beating the competition to market.”

ANSYS SpaceClaim Direct Modeler is designed to enable engineering and analysis teams to collaborate more efficiently by facilitating access to 3D models and data across the engineering team. McCormick Stevenson, an engineering consulting firm, has leveraged SpaceClaim and the ANSYS Workbench environment to enable their computer-aided engineering (CAE) team to communicate directly with customers and quickly solve engineering challenges. “As a customer-centric organization, McCormick Stevenson can take models created in any CAD system, import them into SpaceClaim seamlessly, and then prepare them for analysis work in ANSYS Workbench,” said Shane McGoldrick, P.E., advanced mechanical engineer at McCormick Stevenson. “By empowering our CAE team to create and edit CAD designs using direct modeling in SpaceClaim, we’re delivering optimized solutions without time-

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consuming interoperability issues. We can then provide more value to our customers and help them get products to market faster.”

“Global manufacturers must ensure that their engineering teams have the freedom and flexibility to capture ideas quickly, edit solid models easily, and prepare designs for analysis, prototyping and manufacturing with tools created to drive innovation cost effectively,” said Chris Randles, president and CEO of [SpaceClaim](#). “The evolution of SpaceClaim’s 3D Direct Modeling solutions is helping to drive this new era of innovation and, combined with the most comprehensive simulation software from ANSYS, we provide the ideal platform to help organizations significantly improve the concept-to-manufacturing process, while lowering development and manufacturing costs. We welcome this very compelling opportunity to extend our relationship with ANSYS.”

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Autodesk Announces New AutoCAD Plant 3D 2010 Software

9 September 2009

[Autodesk, Inc.](#) announced the availability of [AutoCAD Plant 3D 2010](#), a new software product that brings the proven benefits of model-based design to mainstream plant design projects. Purpose-built for the design, modeling, and documentation of process plants, AutoCAD Plant 3D makes modern 3D design more affordable and accessible to project teams of all sizes. Today's announcement was made at the SPE Offshore Europe Oil & Gas Conference & Exhibition 2009.

Built on the familiar AutoCAD platform, AutoCAD Plant 3D allows project teams to increase productivity, and improve accuracy and coordination of shared information. The vast majority of plant design and engineering projects support the operation, maintenance and expansion of existing facilities. These projects are typically executed by small teams facing tight time and budget constraints. AutoCAD Plant 3D is tailor-made to increase the productivity of these teams by reducing setup time, facilitating straightforward information sharing, and minimizing the impact of changing project information.

"The value of 3D modeling is proven in the process plant industry, but existing design solutions are complex and expensive, serving primarily the largest projects," said Mark Strassman, vice president, AEC Plant Solutions Group at Autodesk, Inc. "The most common plant design and engineering projects today are retrofits, upgrades, and expansions that run on tight budgets and fixed shutdown windows. The teams that execute these projects simply can't afford to waste time and overhead with complicated solutions. Since AutoCAD Plant 3D leverages the familiarity of AutoCAD and the popularity of the .dwg file format, project teams can get up and running quickly, more easily share design information and finish projects faster - with potentially significant savings in time and cost."

About AutoCAD Plant 3D 2010

Built on the familiar AutoCAD platform, AutoCAD Plant 3D features specification-driven design and standard parts catalogs to help streamline the placement of piping, equipment, and support structures. Also included in the product is integrated AutoCAD P&ID functionality and quick generation of isometric and orthographic drawings. The new product joins AutoCAD, AutoCAD P&ID, and Autodesk Navisworks software products in a line-up of Autodesk products built specifically for the plant design and engineering industry. For more information, please visit www.autodesk.com/autocadplant3d

New Plant Community on AutoCAD Exchange

Autodesk also announced the launch of a new community for plant designers and engineers on

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AutoCAD Exchange. On [AutoCAD Exchange Plant](http://www.autodesk.com/plantexchange), users can network, learn from experts, enhance professional skills, engage in discussions, and provide feedback to Autodesk product teams. Visitors can create profiles to personalize their experience and share their tips, projects, and experiences with other global plant design and engineering professionals. For more information, please visit www.autodesk.com/plantexchange.

Customer References

Veolia Water Solutions & Technologies, the global water and wastewater treatment experts headquartered in Singapore, is using AutoCAD Plant 3D Beta 3 on a bid for a water treatment plant project. According to Veolia CAD Manager Alan Chew, "Our team of CAD and piping engineers is very interested in using a 3D plant design product that is compatible with the other Autodesk products we use. I'm already impressed with AutoCAD Plant 3D's ease of use; I downloaded the software and started designing the project the very next day."

"We use 2D and 3D software to design machined equipment and related buildings," said Mark McLeod, CAD Manager at **EnergySolutions**, a provider of integrated services and solutions for the nuclear energy industry. "Currently, we are blind to obvious clashes, have duplicate tag numbers, and cannot see our piping designs in 3D model review. As we evaluate AutoCAD Plant 3D, we expect to benefit from correct tagging, 3D model reviews, clash detection, connection to P&ID work, orthographics, and isometrics. Being able to pass useful data to structural engineering and fabricators will also add a lot of value."

Pricing and Availability

Product availability for AutoCAD Plant 3D software varies by country. For more information or to download a 30 day free trial of AutoCAD Plant 3D, please visit <http://www.autodesk.com/autocadplant3d>

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CAD Schroer Announces Major New Release of MEDUSA4® - Version 4.0

2 September 2009

CAD Schroer Group (CSG) announced the release of version 4.0 – a major new release of its MEDUSA4 Design Automation Suite, including the MPDS4 Plant Design and Factory Layout system. Many of the new tools and enhancements introduced in this version focus on client collaboration, data integration, and even quicker design editing and visualisation.

“A lot of hard work has gone into the latest version, and we’re proud to be able to address so many customer requests and respond rapidly to industry developments. New functionality supports the entire design process from tender design to project delivery, with special emphasis on efficient and visually impressive pre-sales configuration,” explains MEDUSA4 Product Manager Mark Simpson. “Many of our MEDUSA4 3D and MPDS4 plant design customers will be especially excited about the new MPDS4 REVIEW tool. MPDS4 now generates very compact plant models, which can be e-mailed to partners or clients, who then conduct collaborative reviews or walk-throughs on any machine with the tool installed. MPDS4 REVIEW also displays MEDUSA4 3D files for interactive design reviews.”

Enhanced Systems Interoperability

Considerable work has also gone into further enhancing interoperability with third party systems and

data. The release sees significant enhancements in terms of speed, quality and file size delivered by the STEP, IGES and 3D DXF interfaces; a new Teamcenter® Interface; and enhanced open database connectivity for MEDUSA4 and MPDS4 for integration into diverse data management architectures. Support for URLs and searchable text strings in drawings, and the PDFs generated from them, further aids collaboration and data integration.

Even Greater Productivity in Plant Design, Factory Layout and Drafting

The MPDS4 Plant Design product suite sees the introduction of intelligent architectural components in the MPDS4 FACTORY LAYOUT™ product, and new multi-replace and automatic pipe fall tools in the MPDS4 PIPING DESIGN™ application. On the 2D side, CAD Schroer's design productivity tools, including Parametrics, SMART Edit, Smart Drafting and dimensioning, have been further enhanced.

[View a list of the highlights of this release](#)

[Visit the MPDS4 product pages](#)

[Visit the MEDUSA4 product pages](#)

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COADE Announces Special PV Elite Upgrade Offer for CodeCalc Customers; CodeCalc Support to End December 31, 2009

11 September 2009

COADE announced a special upgrade offer designed to make it easy for CodeCalc users to upgrade to PV Elite. PV Elite is the company's premium program for vessel and exchanger analysis that incorporates all of the functionality of CodeCalc for component analysis plus full vessel design analysis capabilities.

This upgrade offer coincides with COADE's announcement that development and support for CodeCalc will end on December 31, 2009. The special offer is designed to allow CodeCalc users an easy and affordable transition to PV Elite. To be automatically upgraded to PV Elite, the CodeCalc customer must be current on their maintenance or renew it if not current, as of December 31, 2009.

Details are available by contacting COADE at +1 281-890-4566 or sales@coade.com.

Additional details and contact form can be found here: <http://www.coade.com/Offers/CodeCalc-PV-Elite-Upgrade-200909.shtml>.

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GRAPHISOFT and Tekla Team Up for Best-in-Class AEC Workflow

10 September 2009

[GRAPHISOFT](#) and Tekla Structures announced a global partnership to offer a best-in-class software solution for architecture and structural engineering practices. Workflow-level integration of ArchiCAD and Tekla Structures – unique in the AEC market - enables true collaboration among the disciplines.

For more than 20 years, GRAPHISOFT and Tekla have been dedicated to offering the highest quality BIM (Building Information Modeling) software in their respective fields of architecture and structural engineering. In recent years, increasing numbers of AEC (Architecture, Engineering, Construction)

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practices have adopted a BIM-based workflow. Model-based collaboration among the different professions, however, is still relatively immature, even between practices that use software solutions from the same vendor.

“The real issue with integration is not file compatibility but workflow compatibility,” says Viktor Várkonyi, Chief Executive Officer at GRAPHISOFT. “Opening each other’s files is not nearly enough; handling each other’s model in an intelligent way is what makes a BIM collaboration workflow truly productive.”

”Both [Tekla](#) Structures and ArchiCAD cover the entire design and documentation workflow till the end of a construction project,” says Risto Rätty, Executive VP of Building & Construction at Tekla. “Together, they support the BIM process in a unique way and are thus the preferred partners that ensure the highest-quality end result in any project. The benefit of using these tools is above all the downstream constructability they offer, from conceptual design to erection and site management.”

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Kubotek Spectrum Multi-CAD Viewer Available Now for \$99

9 September 2009

Kubotek announced that its Multi-CAD Viewer, Spectrum, is now on sale for \$99. The Multi-CAD viewer views, manipulates and prints the most popular 2D and 3D CAD formats like SolidWorks, AutoCAD, NX, CATIA V4, Pro/E, IGES, STEP and many others. It also allows users to measure and calculate mass properties.

This viewer is employed by many contract manufacturers in the supply chain because it allows easy viewing for quoting purposes. The viewer normally retails for \$695. A version of the product is also available that allows companies to view the CATIA V5 format. The price for this extended version is only \$599 (Retail price is \$2500).

There is a [free seven day trial download](#) available for the standard version viewer to test out the product before purchasing.

“Manufacturers everywhere need the ability to view and manipulate data that is non-native to their proprietary CAD packages. Our Spectrum viewer allows manufacturers to do that. This gives contract manufacturers a real edge, especially in the quoting process,” says Scott Sweeney, Vice President of Marketing at Kubotek. “If manufacturers really want to extend their productivity, they should also know that Kubotek offers products to edit, compare and validate non-native CAD files for a variety of other manufacturing related purposes.”

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New Licensing Option For Agni Link CAD-ERP Data Integration System

9 September 2009

Elmo Solutions (<http://www.elmosolutions.com/?ref=pr090909>) announced that its [Agni Link CAD-ERP Data Integration System](#) is now available under a new licensing program, based on a rental model, that makes it even more attractive to customers. Agni Link is a client-server companion to CAD / PDM / PLM applications that provides real-time, bidirectional data integration with ERP systems, among which:

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- Microsoft Dynamics NAV (Navision)
- Microsoft Dynamics AX (Axapta)
- Microsoft Dynamics GP (Great Plains)
- Microsoft Dynamics SL (Solomon)
- Microsoft Dynamics CRM

This outstanding application offers a unique and reliable way to integrate CAD, PDM, PLM and ERP data, automatically resolving discrepancies, and allowing editing of product data using possible values obtained "live" from the ERP application, thus ensuring perfect synchronization of both data sets and completely eliminating redundant data entry as well as costly errors. Agni Link clients are currently available for the following applications:

- Dassault Systemes SolidWorks
- Autodesk Inventor
- AutoCAD
- AutoCAD Electrical
- AutoCAD Mechanical
- AutoCAD Architectural
- Dassault Systemes Workgroup PDM
- Dassault Systemes Enterprise PDM
- Autodesk Vault

The new rental licensing model further enhances the Return on Investment by bringing immediate payoff in ETO-intensive environments. Elmo Solutions Science Officer, Ricardo Talbot said: "We are very excited to introduce a new way to gain access to the most advanced and efficient method of integrating the CAD, PDM, PLM and ERP silos of information. We are confident that this new licensing option for the Agni Link CAD-ERP data integration system will make the solution even more easily accessible to potential users. Early market tests have shown that we can expect a very enthusiastic response from the market."

Agni Link's open architecture can support a wide range of ERP applications, including, among others:

- Microsoft Dynamics AX (Axapta)
- Microsoft Dynamics NAV (Navision)
- Microsoft Dynamics GP (Great Plains)
- Microsoft Dynamics SL (Solomon)
- Microsoft Dynamics Small Business Financials
- Consona Intuitive ERP
- Orchestra pour PME

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New Release for think3's TD PLM 2009

9 September 2009

The development of TD PLM is proceeding rapidly. Just 5 months after the launch of think3's TD PLM, a new major release is ready: TD PLM 2009.2.

New functionalities released with this version are:

- With TD PLM 2009.2 is now possible to view MS Office documents and CAD 2D drawings (.e2, DXF, DWG) without installing any application on a client machine. TD PLM 2009.2 supports Adobe technology for automated PDF production and visualization.
- The integration with NG NX further completes the rich collection of CAD system plugins. v2009.2 allows users to exploit the potential of TD PLM within the AutoCAD, Inventor, ThinkDesign and Solidworks environments, using the same web-based GUI, perfectly integrated into these CAD tools.
- Particular attention was paid to the interface's usability and ease of use. TD PLM 2009.2 presents many optimized features: some pages have been eliminated, interface layouts have been optimized, locations of key buttons have been standardized, and other usability issues have been addressed. All this makes the exclusive Task Driven approach adopted by TD PLM in the first version even more effective.
- Importing the AutoCAD historical database has never been so easy. TD PLM 2009.2 introduces "AutoCAD Batch import" - a procedure for importing AutoCAD drawings able to handle classes and recognize all the information on drawings, all this in batch mode, automatically, without the intervention of an operator.
- TD PLM 2009 introduces "Xtcoder", a new powerful encoder that enables auto-tagging based on any information present in the registry of the component itself.

Availability

TD PLM 2009.2 will be available in Italian, English and Chinese versions starting from the beginning of September, 2009. The update will be available for downloading starting from the second half of October on think3's customer care website.

Read more about TD PLM <http://www.think3.com>

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Open Text Outlines Vignette Strategy and Product Plans

8 September 2009

Open Text™ Corporation announced plans to expand its suite of next-generation Web solutions with products and technologies from recently acquired Vignette playing a central role.

Open Text's plans are an extension of the company's strategy to maintain its leadership in comprehensive ECM solutions. Offered as part of the Open Text ECM Suite, the solutions will help organizations establish deeper connections to customers and use the Web as a channel for new revenues.

"We remain dedicated to all our customers and the Web content management solutions they rely upon. Our plan is not to eliminate products, but to offer solutions that help our customers effectively fulfill their unique, organizational needs - from strategic online initiatives to day-to-day site management tasks," said John Shackleton, President and Chief Executive Officer of Open Text.

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Quickly evolving social networking, digital media and mobile applications are moving the Web beyond brand promotion to become a core component of business strategy. Bringing these technologies together for a more powerful online experience is critical to engaging customers in new ways, improving the effectiveness of marketing programs and guiding changes in business strategy that can increase revenue and improve operations.

"Chief Marketing Officers, and now Chief Executive Officers, recognize the need for a comprehensive Web business strategy," said Scott Bowen, Senior Vice President at Open Text. "We're seeing this trend from more of our large customers, across more industries, and the demand is for more sophisticated solutions that meet the fast-changing expectations in online experiences. Vignette adds the right technologies to our portfolio at the right time."

As part of this strategy, Open Text will leverage technologies from both Vignette and its existing solutions to deliver new next-generation Web offerings. Vignette Content Management will form the foundation of Open Text's Web business solutions, providing personalized and multi-channel capabilities integrated with the Open Text ECM Suite.

Open Text has said it will continue to develop both Vignette Content Management and Open Text Web Solutions as complementary offerings to meet the full range of WCM needs, from easy-to-deploy, departmental applications to more complex global deployments. Open Text will release Vignette Content Management version 8.0 and Vignette Portal version 8.0 in the second half of 2009. The recently released Web Solutions 10.0 will be followed by the release of Web Solutions 10.1 in the first half of 2010. Within 24 months, Open Text will launch an offering that combines key strengths of Web Solutions with the Vignette Content Management platform.

Vignette Social Media Solutions (Community Applications and Community Services) will be the basis of a new Social Marketplace offering, which will be added to Open Text's Social Media solutions, targeting Internet-style social media interactions and enabling existing Web sites with social content. Current Open Text WCM customers will be able to take advantage of this new Social Marketplace package. In addition, Vignette Collaboration will continue to be enhanced as part of the underlying Vignette Social Media technology stack.

The company will announce more product plans in the weeks ahead, including related WCM modules and Vignette's Transactional Content Management product line. Open Text will also introduce a new product roadmap, which will include more details about its future Web business solutions, at its annual Content World 2009 Conference in October (<http://www.opentext.com/contentworld/2009/>)

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PDXpert PLM 2010 Edition Updates Multiple BOMs, Searches Design Files

9 September 2009

Active Sensing, Inc. (ASI) released PDXpert® PLM 2010 Edition product lifecycle management software, which now offers a new bill of materials Markup Wizard, file content indexing, and other significant productivity enhancements.

PDXpert PLM 2010 Edition introduces the Markup Wizard, a tool for easily modifying multiple bills of materials (BOMs) in one simple workflow. The Markup Wizard can automatically add, replace and remove components on assemblies, and will create new BOM revisions as needed to support these changes. The Markup Wizard discovers and displays all component “where used” instances to ensure

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that each affected bill of materials is correctly updated as intended.

The new 2010 edition of PDXpert PLM software also introduces file content searches. PDXpert has always provided free-form text searches of parts, documents and change forms contained in the PLM database. PDXpert PLM 2010 Edition uses Microsoft Windows Search 4.0 components to index common file formats (text, HTML, RTF, even ZIP), and search results include files with matching content. Plug-ins for other file formats, such as Adobe PDF and Office 2007, as well as for more specialized engineering file formats for CAD files, can be installed as needed. PDXpert software's simple yet powerful search syntax includes Booleans and wildcards.

PDXpert PLM 2010 Edition now can convert one document or part type into another, and has a user-defined rules that prevent assigning duplicate part or document numbers. System WAN performance has improved with more local caching. Other improvements include 64-bit SQL Server and Windows support, and PDXpert has been tested with the upcoming releases of Windows 7 and Server 2008 R2. The system help files, which are now also available on-line, detail step-by-step procedures for operational and administrative functions.

ASI's product website, BuyPLM.com, continues to offer a simple PLM software experience. BuyPLM.com provides free, fully-functional trial software via download; helpful on-line training materials; attractive published pricing; and flexible perpetual- and subscription-based licensing alternatives. Questions are answered by a friendly, knowledgeable support team.

A complete single-user PDXpert PLM 2010 Edition system starts at just US\$999, and volume discounts can reduce this to below US\$500 per user; annual maintenance is optional. An all-inclusive subscription license costs as little as US\$25 per month. The 2010 edition of PDXpert PLM software is available now at the <http://www.BuyPLM.com> website.

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Synopsys First to Announce DDR3 IP with Support for 2133 Mbps Data Rates and 1.35V DDR3L

9 September 2009

[Synopsys, Inc.](#) announced that its DesignWare® DDR3/2 PHY and digital controller IP supports the emerging 1866 and 2133 Megabits per second (Mbps) data rates currently being added to the JEDEC DDR3 standard. The DDR3/2 PHY also supports the anticipated Low Voltage DDR3L specification that runs at 1.35V, making the DesignWare IP ideal for power-conscious designs where the change from 1.5V DDR3 to 1.35V DDR3L can reduce DRAM power consumption by up to 20 percent. By providing early access to DDR3 IP that supports both 2133Mbps and 1.35V operation, Synopsys enables designers to implement higher performance or lower power DDR3 interfaces today.

The DesignWare DDR3/2 IP targets an extensive range of high-performance applications such as digital home, digital office, data center and storage that all require bandwidth in excess of 1066 Mbps per pin. To support the full range of DDR3 data rates, the DesignWare DDR3/2 IP includes a unique PHY Utility Block with built-in data training circuits to enable in-system calibration, providing optimized system-level timing. As part of the data training sequence, the DDR3/2 IP includes the ability to remove bit-to-bit timing skew that can occur on the chip, in the package or on the circuit board. Removing the timing skew is necessary to achieve reliable system-level performance at data rates above 1066Mbps.

The DesignWare DDR3/2 PHY provides designers with a choice of interfaces to the memory controller IP. For the lowest latency interface, designers can utilize the complementary DesignWare DDR3/2

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Memory Controller or Protocol Controller IP. Support for internally developed controllers is offered via an optional DFI2.1 compliant interface on the DDR3/2 PHY that provides designers with a common interface to ease the integration effort between the controller and PHY.

"High-speed DDR interfaces represent a unique challenge for today's SoC designs," said Jim Finnegan, senior vice president of silicon engineering at Netronome Systems. "The high-quality DesignWare DDR3/2 PHY and controller IP allowed us to achieve our design objectives and Synopsys provided Netronome with access to a team of DDR experts that was invaluable as we pushed towards the completion of our latest chip design."

"DDR3 SDRAMs are rapidly evolving to offer both higher performance and lower power consumption," said John Koeter, vice president of marketing for the Solutions Group at Synopsys. "By providing early access to enhancements in the JEDEC standard DRAM roadmap, Synopsys is enabling designers to take full advantage of the latest advances in DDR technology. With a proven track record of over 200 DRAM interface design wins with more than 150 companies, Synopsys offers a low-risk path to working silicon."

The DesignWare DDR3/2 IP is a part of Synopsys' complete DesignWare DDR IP offering that consists of digital controllers, PHY and verification IP supporting DDR2, DDR3 and Mobile DDR. The comprehensive portfolio of DDR IP supports leading 130nm, 90nm, 65nm, 55nm and 45/40nm technologies. Synopsys helps lower integration risk by providing DDR IP solutions that have been implemented in hundreds of applications and are shipping in high-volume production.

Availability

The DesignWare DDR3/2 PHY supporting 2133 Mbps and 1.35V DDR3L is available now to early adopters. The DesignWare DDR3/2 controllers supporting 2133 Mbps and 1.35V DDR3L are anticipated to be generally available in October 2009. For more product information and to take a virtual tour of the Synopsys DDR lab to see how Synopsys verifies the IP, visit: <http://www.synopsys.com/ddr>

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Zuken Improves Complex Vehicle Design Capabilities through Partnership with Gigatronik

10 September 2009

Zuken has announced a partnership with Gigatronik to improve both their complex vehicle design capabilities. This is laying the foundations for future integration between Gigatronik's ESCAPE software for creation of logical functional networks in graphic forms and Zuken's [E³.cable](#) solution for harness development and documentation. This partnership will allow the re-use of data between the two environments, essential for sophisticated vehicle design.

"Data consistency is crucial for reducing time to market and cost margins in the automotive and aerospace industries and other related industries. Our partnership with Gigatronik will enable us to work on solutions that will provide integration for a complete end-to-end engineering process. In addition we are able to provide further support for wire harness production and After Sales", said Ulrich Prottung, E³.series product manager from Zuken.

"The intention for future development is to enhance the circuit diagram capabilities within E³.series with additional information including wire types, special cables, cross-sections, designations, the assignment to sub-wire harnesses and configuration information," continued Prottung.

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Zuken is currently working on the new E³.cable 2010 version, scheduled for release early next year.

For more information about E³.cable, visit <http://www.zuken.com/e3>.

For more information about ESCAPE send an e-mail to info@gigatronik.com, subject "ESCAPE".

About ESCAPE

As part of the Gigatronik Tool Suite, ESCAPE provides graphical tools for the complete, model-based engineering of complex E/E systems from requirements to production codes. The multi-user system facilitates the integration of all vehicle domains and supports the data-based integration of OEM and supplier.

ESCAPE enables the creation of logical functional networks in graphic form. The use of a domain-neutral model allows functions to be resolved to solution modules that the user can then map at will to the physical electrical system of a vehicle, airplane or space craft.

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