

xLM ENOVIA SmarTeam Newsletter



YOUR CHALLENGES | OUR SOLUTIONS

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Inside this Issue:

About Us3

Personal Note3

Economy & PLM4

What's New @ xLM5

 COE 2009 Annual PLM Conference & TechniFair5

 ENOVIA V66

 Assessment Services7

 Virtualization Anyone?7

SmarTeam News8

 SmarTeam Releases V5R20.....8

 SmarTeam Forums and Resources8

SmarTeam Release Info9

 End-of-Service Dates9

 Upcoming Releases and CAD Support10

Customer Story10

 Lord Corporation10

Feedback & Contact Us11

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About Us



Welcome to another issue of the *xLM ENVOIA SmarTeam Newsletter!* If you are unfamiliar with us, here is what **xLM Solutions** is, and what we can do for you.

The xLM team consists of experienced and exceptional software consulting and system integration professionals. We have extensive knowledge in Product, Data, and Information Lifecycle Management (PLM, DLM, ILM); information, Internet and Microsoft technologies; and other enterprise software solutions. Our clients span a wide variety of industries, all seeking solutions to a common challenge: to effectively and efficiently manage proprietary, classified or otherwise sensitive data. To address this challenge, we provide our clients with quality end-to-end Lifecycle Management services including requirement analysis, solution installation, configuration, customization, support, and maintenance.

We take pride in client attention and satisfaction. We listening carefully to ensure that your PLM and IT needs are properly met in a timely manner. It is our goal to provide you, our valuable customer, with quality tools, resources, and innovative solutions for successful information systems management. Call us and let us show you how our solutions can meet your needs and challenges!

Personal Note

As an update regarding my “scare” with cancer, I completed my course of chemotherapy on Dec 15. The doctors have given me a very good prognosis and believe all the cancer is gone. I am 100% back and working and feeling back to normal. Thanks, again, for all the kind words and prayers.

Thank You,
Marc

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Economy & PLM

The recent economic times have been challenging, with companies tightening budgets, scaling back on implementations, and even downsizing. We at xLM understand and appreciate the challenges you—our reader, client, and a friend—may be experiencing. Nevertheless, we remain optimistic from past experiences. We are particularly encouraged by several success stories from clients that each has made a smart investment on a carefully designed and implemented PLM infrastructure that has been generating tremendous cost savings and significantly enhancing productivity. Needless to say, their investments pay off.

As you may already know, an optimally realized PLM system can help reduce cost by decreasing product development cycles and increasing process efficiencies. These are achieved by allowing direct and immediate access to the relevant data or file with the correct revision and state, as well as properly-maintaining links and relationships among data.

You may also know that a PLM system can help identify and alleviate bottlenecks to enable better process flow and control, and facilitate faster releases on engineering changes. The shortened and more efficient design-to-product cycles allow for more product innovations.

But, do you know that the benefits of a PLM system may be extended into other non-traditional business and administrative areas?

Is your PLM system optimized for your processes and environment? Do you fully understand the features and capabilities of your PLM system? Are you using an earlier application version and wondering what you may be missing out from the current release? Are you considering a PLM system update or upgrade but are concerned about the impact and compatibilities? If you answer “maybe” or “yes” to one or more of these questions, please give us a call. We can tune-up your PLM infrastructure, provide additional general and topic-specific training, and evaluate your business and manufacturing processes to provide enhancement recommendations. We can also provide general IT and administration support, custom solution and application developments, as well as cost-effective Microsoft SharePoint collaboration solutions that can be optionally integrated with your PLM system.

Additionally, as part of our commitment to your success through both favorable and challenging times, xLM is announcing flexible payment terms and options that are designed to best suit your needs and resources. Please contact Marc Young at (248) 926-5932 to find out more about how we can be of assistance to you, our valuable client and partner.

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What's New @ xLM

COE 2009 Annual PLM Conference & TechniFair



XLM associates Michael Chan and Marc Young attended the **COE 2009 Annual PLM Conference & TechniFair** from April 19–21 in Seattle, WA. Besides the opportunities to meet and exchange ideas with our clients and fellow COE members, the two also presented three Technical Breakout sessions:

Extending SmarTeam with SOA Solutions: Develop Your Own SOA for SmarTeam (*Michael Chan*)

Service-Oriented Architecture (SOA) has been around and gaining widespread adaptation since the late 1990's. Are you curious about SOA? Do you know that SOA can be leveraged to increase the ROI on your current SmarTeam infrastructure? Attend this presentation to discover what SOA is. See how you, too, can implement a simple SOA. Try your hands on expanding SmarTeam in a SOA using the SmarTeam Object Model; modify the sample code to develop your own SOA and build simple web services for SmarTeam. Finally, see an example and gain some practical ideas on how to use a SOA to expand SmarTeam functionalities into other applications.

Advanced ENOVIA SmarTeam Programming (*Marc Young*)

For advanced programmers only! This presentation took a deep dive into some advance programming scenarios around SmarTeam. Topics included programming on top of SmarTeam Web Applications, Advance SmarTeam APIs, advantages of using Visual 2005/2008 as a development platform and debugging techniques.

Data Migration Strategies (*Marc Young*)

Do you have legacy data that you will need to load into your PLM

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system. Do you have a good handle on this data? Is this data purely meta data? Is it Flat (non-cad) files, or CAD files with interdependent links between files? This presentation discussed strategies of loading such types of data into PLM with highlights on the ENOVIA SmarTeam system.

The sessions were well-attended and received, and the material sparked many interesting discussions. For your convenience, we have made the presentations available on our web site at:

<http://www.xlmsolutions.com/presentations/coe2009>

Please feel free to contact us for any questions you may have regarding these subjects. Additionally, we are available and will be glad to arrange encore presentations of these materials for you and your interested colleagues.

ENOVIA V6

V6 is Here!



ENOVIA V6 is Dassault Systèmes' next generation PLM 2.0 platform and solution set. With the general availability of this release, we have been delivering V6 solutions to selected clients. Meanwhile, we have also received many inquiries for information on V6, the potential impact and benefits for adaptation, and the possible upgrade paths from various earlier SmarTeam releases. We are preparing more information and will answer many common questions on V6 in upcoming editions of this newsletter. Stay tuned.

Going V6?



V6 is more than simple cosmetic changes from the previous release. Rather, V6 presents a paradigm switch, with a complete core shift to an infrastructure built upon a MatrixOne engine. A typical V6 implementation involves the installation of the V6 Foundation and various add-on modules serving the specific needs of the business. If you are considering V6, xLM has the expertise and experience to make your V6 implementation smooth and worry-free. We will survey your business' needs and requirements, recommend a custom data extraction and migration strategy from your current PLM system to V6, and install, configure, and migrate the data from

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your legacy system to the new V6 solution. With proper planning and attention to details, your V6 implementation can be easy and trouble-free. Give us a call! Let us show you whether V6 is for you, and how we can help with your V6 implementation.

Assessment Services

SmarTeam Utilization



Do you know the full capability of your SmarTeam system? Are you maximizing your ROI by utilizing all the relevant features of your SmarTeam infrastructure? Have you considered deploying PLM solutions in other departments or divisions? Are you hoping to apply PLM to processes in your company and would like some assistance (or just a few questions answered)? Contact us! We can analyze your SmarTeam usage, identify the potentials for enhancements, and show you ways to maximize the ROI for your SmarTeam system. We are just a phone call or email away with your answers to maximizing your SmarTeam utilization.

Business Process Optimization

You may be already familiar with how xLM can help you with your PLM and IT needs. But, do you know that xLM can also help you analysis and streamline your business and administrative processes? We will be glad to conduct needs analyses on your current business processes, and assist you in developing new or enhancing the existing approaches. We can also identify areas in your company that may benefit from the introduction of PLM technologies or expansion of your existing infrastructure. If you are interested in learning more on how PLM may be leveraged to optimize your business and administrative processes, please contact us.

Virtualization Anyone?



By now, you have probably heard of virtualization and virtual machines (VMs). Are you familiar with this paradigm and the underlying fast evolving technologies? Will you benefit from virtualization? Do you know that you can run the

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SmarTeam Servers (largely¹) from VMs? Or, will you be surprised to learn that xLM has been developing most of our solutions using VMs for years?

Virtualization can improved resource utilizations, reduce hardware costs, ease backup and restore processes, improve fault tolerance, and reduce maintenance and administrative efforts. Virtualization is also ideal for development and testing: a production system VM may be easily duplicated to generate a test environment with software, data, and settings near-identical to the original system. And, if a catastrophic error occurs during the testing, the VM may be deleted and a new duplicate generated from the original production VM.

Many of our clients have implemented virtualization in their corporate production environments and running their SmarTeam servers from VMs. Are you a candidate for such a production and/or test environment? Please contact us and we can discuss the pros and cons of virtualization for your specific environment (with or without a SmarTeam implementation) with you.

SmarTeam News

SmarTeam Releases V5R20

The primary efforts in V5R20 have been devoted to infrastructure enhancements that improve scalability and performance. Some of the key features include:

- Enhancements in Visual Components and the Web Editor
- Support of icon personalization
- Support of embedded icons in Look-up Tables (LUTs)
- New Supply Chain Management functionalities that "replace/supplement" the SmarTeam Briefcase

SmarTeam Forums and Resources

If you are not aware, there are two very useful SmarTeam forums online. These forums are excellent sources for SmarTeam-related information, questions and

¹ The LUM server must run directly in a physical machine.

issues. The forum members are generally enthusiastic and responsive, and the discussions and answers are often invaluable. The two forums are:

- ENOVIA SmarTeam Forum
<http://theforum.smartuserforum.com>
- COE Discussion Forum for SmarTeam
<http://www.coe.org/Collaboration/DiscussionForum/ActiveDiscussions/tabid/210/view/topics/forumid/8/Default.aspx>

SmarTeam Release Info

End-of-Service Dates *

Please note the following end-of-service dates for the respective SmarTeam version:

SmarTeam Version	End-of-Service Date
V5R14	January 8, 2007
V5R16	June 3, 2007
V5R17	October1, 2008
V5R18	March 29, 2009
V5R19	(Tentative) Jun 03, 2011

After the end-of-service date, no more service packs, hot fixes or Dassault/SmarTeam support will be provided for the specific version. If your version of SmarTeam is reaching its end-of-service date, we strongly encourage you to begin developing an upgrade plan now to avoid disruptions later. If you have any questions, please contact us. We will be glad to provide further information and assist you in planning and deploying your SmarTeam upgrade.

* Information provided by Dassault Systèmes as of November 10, 2008 and is subject to change.

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Upcoming Releases and CAD Support

Solid Edge ST100 (V21)	32bit	R19SP5	2009	August
Solid Edge ST100 (V21)	64bit	R19SP5	2009	August
Autodesk Inventor 2009	64bit	R19SP4	2009	May
Autodesk AutoCAD 2009	64bit	R19SP5	2009	August
SolidWorks 2010	32bit	R19SP7	2010	February
		R20 GA	2010	February
SolidWorks 2010	64bit	R19SP8	2010	May
		R20SP1	2010	February
Autodesk Inventor / AutoCAD 2010	32bit	R19SP6	2009	October
		R20GA	2010	February
Autodesk Inventor / AutoCAD 2010	64bit	R19SP7	2010	February
		R20SP1	2010	February
Solid Edge ST101 (V22)	32bi	R20SP1	2010	February
Solid Edge ST101 (V22)	64bit	R20SP2	2010	April

Customer Story

Lord Corporation

www.lord.com



LORD Corporation, manufacturer of adhesives, coatings, vibration and motion control products, and magnetically responsive technologies, has deployed a Technical Service Request (TSR) system to manage the company's flow of requests for its Chemical labs. xLM Solutions, employing out-of-box SmarTeam WebEditor with custom coding, was responsible for the web-based solution for the TSR system. xLM designed and implemented a user interface for submitting the technical requests, constructed custom workflows to route the requests for reviews, and added search and report generation capabilities for the TSR system.

Unique web forms with custom look, feel, and functionalities were developed to support users from a diverse discipline. The collection of forms is supported by a unified underlying workflow that governs the entire review process. The web-based solution also allows a user to examine the in-process status of the request. Additionally, the user may search the knowledge base from the web page for information and answers on previous work and requests.

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Feedback & Contact Us

We'd love to hear from you! Please send us your thoughts on this newsletter and future topic ideas that you would like us to cover. Also, send us your interesting SmarTeam experiences and we will share your story with our readers!

xLM is a consulting company with extensive experiences in delivering innovative solutions and customizations to solve difficult PLM and IT challenges. It is our goal to assist you with your SmarTeam implementation and to partner with you in developing and deploying the best PLM and collaboration solutions for your environment. Contact us and let us show you how we can meet **your challenges** with **our solutions**, and make things simpler and better for you.

To contact us, please call (248) 926-5932 or send email to:

info@xlmsolutions.com

To reach an xLM associate directly, please use the email format:

<first letter of the first name><last name>@xlmsolutions.com

xLM Solutions, LLC., 39500 Fourteen Mile Road, Suite 175, Walled Lake, MI 48390-3908

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