

2014 EDITION

# TOP 10 PRODUCT LIFECYCLE MANAGEMENT SOFTWARE REPORT

*Comparison of the Leading Product Lifecycle Management Software Vendors*

# Overview of Product Lifecycle Management Software Solutions

The product lifecycle management (PLM) software market is evolving and growing rapidly, for several important reasons. PLM lies at the heart of a company's efforts to move a product to market and beyond. At its essence, PLM describes the engineering aspect of a product, from managing descriptions and properties of a product through its development and useful life. It's the process and practices associated with managing the entire lifecycle of a product--from its conception, through design and manufacture, to service and decommission. As a methodology, PLM integrates people, data processes, and business systems, while provides a product information backbone for companies and their extended enterprise.

At first, PLM might appear to be like a maze of seemingly unrelated system functionality. All too often, organizations go down the PLM road without a roadmap. The results are typically characterized by confusion, conflicting viewpoints, needless cost, and ultimately, failure. But when it is implemented and leveraged effectively, PLM software can help your organization build and maintain an overall framework for product optimization. With the right PLM solution in place, a company is in the best position to create and manage product design ideas, oversee the production pipeline, maximize collaboration efforts across the physical and global borders of the enterprise, and significantly reduce the cost associated with regulatory compliance. With a properly executed game plan, companies can reap significant rewards from PLM software.

## About Business-Software.com

Business software solutions may seem like they're a dime a dozen. Researching the differences can be a mind-boggling and time-consuming process. As a result, the marketplace is rife with stories of under-budgeted software projects, poor implementations, below-par business performance, and frustrated customers.

Business-Software.com helps you avoid these issues by connecting you with the right software for your business. Whether you're in a home office or a multinational enterprise, we help you achieve a successful software project by providing expert advice, in-depth feature articles, user reviews taken directly from the marketplace, best practice recommendations, and more.

Business-Software.com is the most comprehensive and trusted online resource for buyers and vendors of business technology. Join the 300,000 member Business-Software.com Community and share your experience/expertise with CRM, ERP, BI, Help Desk, Manufacturing, and more.

# Top 10 Product Lifecycle Management Software Comparison

Autodesk PLM 360	Siemens Teamcenter	Infor Optiva	Arena Cloud PLM	IFS PLM
 <a href="http://www.autodesklm360.com">www.autodesklm360.com</a>	 <a href="http://www.plm.automation.siemens.com">www.plm.automation.siemens.com</a>	 <a href="http://www.infor.com">www.infor.com</a>	 <a href="http://www.arenasolutions.com">www.arenasolutions.com</a>	 <a href="http://www.ifsworld.com">www.ifsworld.com</a>
\$	\$\$\$\$	\$\$\$	\$	\$\$\$\$
<b>Select Customers</b> Porex, Electrical Components International, Zep Solar, Greenpoint	<b>Select Customers</b> Firewire Surfboards, Procter & Gamble, Astrium, BAE Systems	<b>Select Customers</b> Henkel, RPM International, Inalfa Roof Systems, Promethean, Sypris	<b>Select Customers</b> GoPro, Beats by Dre, Fitbit, Lytro, SiriusXM, SunLink	<b>Select Customers</b> Colfax, Infratek, Maxweel Technologies, Nestle, NGK, SAAB
<b>Technology Model</b> Cloud-based solution	<b>Technology Model</b> On-premise solution	<b>Technology Model</b> On-premise solution	<b>Technology Model</b> Cloud-based solution	<b>Technology Model</b> On-premise solution
<b>Key Features</b> <ul style="list-style-type: none"> <li>• Complete Product Lifecycle Management</li> <li>• Bill of materials (BOM) management</li> <li>• Engineering Change management</li> <li>• New product introduction (NPI)</li> <li>• Supplier collaboration</li> <li>• Quality management</li> <li>• Cost management</li> <li>• Integration with NetSuite ERP</li> <li>• Integration with Autodesk Vault and other PDM solutions</li> <li>• Integrated 3D product visualization</li> <li>• Dashboards and reporting</li> <li>• Highly customizable</li> <li>• Easy to use and configure</li> <li>• Accessible anytime, anywhere</li> <li>• Secure and Reliable</li> <li>• Fast to implement</li> <li>• Affordable for companies of any size</li> </ul>	<b>Key Features</b> <ul style="list-style-type: none"> <li>• Bill of materials mgmt</li> <li>• Community collaboration</li> <li>• Compliance mgmt</li> <li>• Content &amp; document management</li> <li>• Engineering process management</li> <li>• Enterprise knowledge foundation</li> <li>• Formula, package, &amp; brand management</li> <li>• Lifecycle visualization</li> <li>• Maintenance, repair &amp; overhaul</li> <li>• Manufacturing process management</li> <li>• Mechatronics process management</li> <li>• Platform extensibility services</li> <li>• Portfolio, program &amp; project mgmt</li> <li>• Reporting &amp; analytics</li> <li>• Simulation process management</li> <li>• Supplier relationship management</li> <li>• Systems engineering &amp; requirements mgmt</li> </ul>	<b>Key Features</b> <ul style="list-style-type: none"> <li>• Consumer-grade user interface</li> <li>• Workspace adoption for collaborative product development</li> <li>• Product and packaging management</li> <li>• New product development introduction</li> <li>• Label development</li> <li>• Partner Connect for collaboration with suppliers and partners</li> <li>• Process testing and analysis</li> <li>• Industry-specific functionality across food and beverage, specialty, chemicals, personal care and cosmetics, and pharmaceuticals</li> <li>• Integrated, unified social networking platform</li> <li>• Intuitive ION integrations</li> <li>• Multi-language support</li> </ul>	<b>Key Features</b> <ul style="list-style-type: none"> <li>• Central repository for item master, bill of materials (BOMs), AML, AVL, documents, design files, &amp; ECOs</li> <li>• Patented cloud-connected content captures contextual design info from sites like Arrow, Digi-Key, etc.</li> <li>• Track prototype &amp; production costs</li> <li>• Monitor user-defined compliance requirements</li> <li>• Connect project directly to product record</li> <li>• Aggregate parts to negotiate better</li> <li>• Simple &amp; secure supply chain NPI collaboration &amp; quality processes like CAPA &amp; ECOs</li> <li>• Indented, flat, sourcing, redline, customizable BOMs &amp; attributes</li> <li>• Collaborate broader, deeper, cheaper &amp; easier with your supplier's suppliers</li> <li>• MCAD, ECAD, and ERP integrations, customize your workflow</li> </ul>	<b>Key Features</b> <ul style="list-style-type: none"> <li>• Fully integrates within IFS Applications</li> <li>• Helps design, manufacture and operate a product until the end of its lifecycle</li> <li>• Real-time data</li> <li>• Sharing permissions</li> <li>• Equipment repository</li> <li>• Preventative maintenance</li> <li>• Condition based maintenance</li> <li>• Measurement management</li> <li>• RCM</li> <li>• Spare part management</li> <li>• Isolations and shut down preparation</li> <li>• Plant planning and optimization</li> <li>• Document management</li> <li>• Inventory and procurement</li> <li>• Supply chain management</li> <li>• Supplier collaboration</li> <li>• Sub contract management</li> </ul>

# Top 10 Product Lifecycle Management Software Comparison

<p><b>MasterControl PLM Systems</b></p>  <p><a href="http://www.mastercontrol.com">www.mastercontrol.com</a></p>	<p><b>IQMS EnterpriseIQ Manufacturing ERP</b></p>  <p><a href="http://www.iqms.com">www.iqms.com</a></p>	<p><b>Aras Innovator PLM</b></p>  <p><a href="http://www.aras.com">www.aras.com</a></p>	<p><b>Dassault Systèmes 3DS PLM Solutions</b></p>  <p><a href="http://www.3ds.com">www.3ds.com</a></p>	<p><b>PTC Windchill, PTC Creo, &amp; PTC Arbortext</b></p>  <p><a href="http://www.ptc.com">www.ptc.com</a></p>
<p>\$\$</p>	<p>\$\$\$\$</p>	<p>\$\$\$\$</p>	<p>\$\$\$\$</p>	<p>\$\$</p>
<p><b>Select Customers</b> BioMimetic Therapeutics, A.P. Pharma, Nelson Laboratories</p>	<p><b>Select Customers</b> Donnelly Manufacturing, Gill Industries, Tessy Plastics, Mar-Bal Inc</p>	<p><b>Select Customers</b> CarestreamHealth, Xerox, Lear Corporation, Motorola, Freudenberg</p>	<p><b>Select Customers</b> Jaguar, Minesto, Olympus, Boeing</p>	<p><b>Select Customers</b> Axeon, Medco Equipment, Xerox Corp, InterComm</p>
<p><b>Technology Model</b> SaaS-based solution</p>	<p><b>Technology Model</b> On-premise solution</p>	<p><b>Technology Model</b> On-premise solution</p>	<p><b>Technology Model</b> On-premise solution</p>	<p><b>Technology Model</b> SaaS-based solution</p>
<p><b>Key Features</b></p> <ul style="list-style-type: none"> <li>• Specific solutions for pharmaceutical, biotech, medical device or general manufacturing companies</li> <li>• Offered as part of the MasterControl platform</li> <li>• Preconfigured templates</li> <li>• Routes for ensuring that documents are created, reviewed and approved correctly the first time</li> <li>• Automates quality events such as CAPA, nonconformance reports, customer complaints, audits and employee training</li> <li>• Automated approval workflows and project management tools</li> <li>• Best practice templates</li> <li>• Cross-functional team collaboration</li> <li>• Comprehensive project planning</li> <li>• Automates routing, escalation and tracking</li> <li>• Alerts company to potential bottlenecks</li> </ul>	<p><b>Key Features</b></p> <ul style="list-style-type: none"> <li>• Robust product lifecycle management (PLM) module</li> <li>• Create unlimited scenarios based on different requirements</li> <li>• Track activities</li> <li>• Track and automate workflows</li> <li>• Unprecedented cross-application visibility, collaboration and traceability in real time</li> <li>• Integrated machine and processing monitoring systems</li> <li>• Unlimited unit-of-measure conversion, production by length or weight, waste material, family tools, dispatch lists and more</li> <li>• Respond and react quickly and accurately to customer inquiries</li> <li>• Expedited order and shipping processing</li> <li>• Accessible by smartphones, tablets, PC, PDAs and more</li> </ul>	<p><b>Key Features</b></p> <ul style="list-style-type: none"> <li>• Bill of materials mgmt</li> <li>• Multi-CAD PDM for CATIA, NX Creo, SolidWorks, Solid Edge, Inventor, AutoCAD, OrCAD, PADS, Altium, Alegro, DxDesigner and other CAD &amp; EDA systems</li> <li>• Document mgmt</li> <li>• 3D PDF visualization with view &amp; mark-up</li> <li>• Version control &amp; release</li> <li>• Engineering change</li> <li>• CMII-certified best practices for configuration mgmt</li> <li>• AVL / AML</li> <li>• Project portfolio mgmt, program mgmt, NPDI</li> <li>• Requirements mgmt for systems engineering</li> <li>• Quality mgmt, risk mgmt, FMEA, APQP, PPAP</li> <li>• Extended enterprise collaboration</li> <li>• Microsoft Office Integration</li> </ul>	<p><b>Key Features</b></p> <ul style="list-style-type: none"> <li>• Complete line of Dassault Systèmes products includes: Catia, Solidworks, Geovia, Simulia, Enovia, Delmia, Exalead, Netvibes, 3DVIA, 3DSwYm, Draftsight</li> <li>• CATIA : the digital product experience</li> <li>• SOLIDWORKS : 3D design</li> <li>• GEOVIA : Virtual Planet</li> <li>• SIMULIA : Realistic Simulation</li> <li>• ENOVIA : Collaborative Innovation</li> <li>• DELMIA : Digital Manufacturing</li> <li>• EXALEAD : Information Intelligence</li> <li>• NETVIBES : Dashboard Intelligence</li> <li>• 3DVIA : 3D Communication</li> <li>• 3DSwYm : Social Innovation</li> <li>• Draftsight : Free CAD Software</li> </ul>	<p><b>Key Features</b></p> <ul style="list-style-type: none"> <li>• Windchill:</li> <li>• Product definition and collaboration capabilities</li> <li>• Repeatable, end-to-end process support and automation</li> <li>• Product deliverable management including MCAD, ECAD, service and documentation</li> <li>• Multiple cost estimation techniques</li> <li>• Reporting and analytics</li> <li>• Manage cost targets, multiple cost estimates, estimate confidence level per part</li> <li>• Creo:</li> <li>• Lightweight 3D CAD driven design process</li> <li>• User-friendly, collaboration-friendly</li> <li>• Scalable design software environment</li> <li>• Direct geometry creation and editing</li> <li>• Ownership, revision and state control</li> <li>• 3D to 2D associativity, part comparisons, &amp; more</li> </ul>

# Related Software Solutions

Business-Software.com recommends that organizations looking for product lifecycle management software solutions also explore related product development software solutions. Review the following product as a supplement to your PLM software choice.

## GRABCAD

GrabCAD Workbench speeds up the product development process by centralizing project files in one secure, easy-to-access location. An alternative to standard PLM solutions, GrabCAD eliminates the time and expense of searching for correct file versions and allows quick sharing and editing of CAD files.



**A faster alternative to traditional PLM software.**

[www.grabcad.com](http://www.grabcad.com)

### Select Customers

EMD Millipore, Hemosonics, Pebble Technology

### Key Features

- Synchronize desktop and cloud files to manage all project files from one secure location
- Partner Spaces let you easily share specific product data with customers and manufacturers
- Allow multiple users to work in parallel
- Supports all major CAD formats
- Translate any CAD file from proprietary format to neutral format
- Share large CAD files safely
- View and edit 3D models in-browser
- Works on all browsers and Android and iOS devices