2015 EDITION

TOP 10 PRODUCT LIFECYCLE MANAGEMENT SOFTWARE REPORT

Comparison of the Leading PLM Software Vendors
Product lifecycle management comprises the processes and practices associated with managing a product throughout its lifecycle, from its conception through design and manufacturing stages, to service and decommission. Product lifecycle management software utilizes PLM methodologies to provide a central repository for all data and assets that enable workers to collaborate on products in real time. When effectively implemented and leveraged, PLM software can merge business systems, people and data processes to facilitate a streamlined approach to product development. These solutions will benefit any business that creates and sells products. PLM is a must-have for product manufacturers.

Today’s top-rated PLM software solutions are both comprehensive and collaborative. Look for software that tracks and records information from various sources and departments, making that information available to suppliers, engineers, marketing teams and other departments that are vital to product development. Your product lifecycle management software should also manage product design (both 2D and 3D design elements), oversee the production pipeline, work in real time and significantly reduce the costs associated with regulatory compliance. PLM software should also effectively manage bill of materials (BOMs).

Use this handy Top 10 Product Lifecycle Management Software guide to familiarize yourself with top vendors and compare the leading solutions by key features and pricing models.

### Key Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>SaaS solution</th>
<th>On-premise solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collaboration tools</td>
<td></td>
<td>Real-time alerts</td>
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<tr>
<td>Computer-aided design (CAD)</td>
<td></td>
<td>Information authoring</td>
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<tr>
<td>BOM management</td>
<td></td>
<td>Document management</td>
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<tr>
<td>Change management</td>
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</tbody>
</table>
## Top 10 PLM Software Comparison

<table>
<thead>
<tr>
<th>PLM Software</th>
<th>Key Features</th>
<th>Additional Features</th>
</tr>
</thead>
</table>
| Autodesk PLM 360          | $ SaaS                                                                        | • Complete product lifecycle management  
• Engineering change management  
• View and manipulate 3D and 2D representations  
• Role-based authoring  
• Change management  
• New Product Introduction (NPI)  
• Supplier collaboration  
• Quality management  
• Project management  
• Corrective and Preventative Actions (CAPA)  
• Cost management  
• Process workflow creation and definition  
• Workspace creation and configuration  
• View BOMs in the right context  
• Integration with Autodesk Vault and other PDM solutions |
| Arena PLM                 | $ SaaS                                                                        | • Invented Cloud PLM  
• Next generation Bill of Materials (BOM) Management  
• Quality Management  
• Central repository for BOMs, AML, AVL, documents, design files  
• Capture contextual design information from sites like Arrow or Digi-Key  
• Project & Change Management  
• Compliance Management  
• New Product Introduction (NPI) & collaboration  
• Quality processes like CAPA and ECQs  
• Three supply chain solutions  
• MCAD, ECAD, MRP and ERP integrations |
| Infor PLM Discrete        | $$$$$ SaaS                                                                   | • Product lifecycle intelligence  
• Product data management (PDM)  
• Integrates with ERP and CAD systems  
• Manage products and related documents from one location  
• Compliance management  
• Enterprise content management  
• In-house and supplier collaboration tools  
• Document management  
• Version control  
• BOM master  
• Industry-specific manufacturing solutions for food and beverage, specialty chemicals, high tech, fashion and discrete manufacturers |
| Siemens Teamcenter        | $$$ SaaS                                                                     | • Computer-aided design, manufacturing and engineering analysis (CAD/CAM/CAE)  
• Product data management (PDM)  
• Bill of materials (BOMs)  
• Process management tools such as design review and change management  
• Requirements management  
• Service lifecycle management (SLM)  
• Manufacturing process management  
• Supplier collaboration  
• Quality management with CAPA  
• Product cost management  
• Sustainability and environmental compliance  
• Systems engineering |
| IFS Applications          | $$$$$ SaaS                                                                   | • Integrated PLM solution offered as part of ERP software suite  
• Complete product lifecycle management  
• View data in real time  
• User permissions  
• Collaboration tools for suppliers and customers  
• Equipment repository  
• Preventative maintenance  
• Condition-based maintenance  
• Inventory and procurement  
• SCM  
• Sales contract management  
• Product data management (PDM)  
• Purchase orders and shop orders  
• Track project progress and milestones  
• Eco-friendly solutions |

**Select Customers**
- Arena PLM: GoPro, Beats by Dre, Medtronic, Violin Memory, Cadence, SunPower
- Siemens Teamcenter: Firewire Surfboards, Procter & Gamble, Astrium, BA Systems
- IFS Applications: Maxwell Technologies, NGK, SAAB, Colfax, Vigor Shipyard, Ensign-Bickford

**www.autodeskplm360.com**
**www.arenasolutions.com**
**www.infor.com**
**www.siemens.com**
**www.ifsworld.com**

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# Top 10 PLM Software Comparison

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<th>Software</th>
<th>Key Features</th>
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<th>Key Features</th>
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<tr>
<td>MasterControl Quality Management System</td>
<td><a href="#">SaaS</a></td>
<td>- Automates task assignment, routing, scheduling and review of all document-based processes</td>
<td>BioMimetic Therapeutics, A.P. Pharma, Nelson Laboratories</td>
<td><a href="#">SaaS</a></td>
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<td>IQMS EnterpriseIQ Manufacturing ERP</td>
<td><a href="#">SaaS</a></td>
<td>- Complete audit trail of product’s lifecycle</td>
<td>Donnelly Manufacturing, Gill Industries, Tessy Plastics, Mar-Bal Inc</td>
<td><a href="#">SaaS</a></td>
</tr>
<tr>
<td>Active Sensing PDXpert</td>
<td><a href="#">SaaS</a></td>
<td>- Manages product data and processes</td>
<td>UTC-Kidde, Revolabs, Brammo Motorcycles, Philips Healthcare, Zodiac</td>
<td><a href="#">SaaS</a></td>
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<tr>
<td>Dassault Systemes 3DEXPERIENCE Platform</td>
<td><a href="#">SaaS</a></td>
<td>- Platform comprises various product development software applications for a comprehensive solution</td>
<td>Etana, Barilla, J.G. Weisser &amp; Soehne, Eaton, Scania Group</td>
<td><a href="#">SaaS</a></td>
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<td>PTC Windchill</td>
<td><a href="#">SaaS</a></td>
<td>- Manages, cross-references and offers visibility into all product-related content such as MCAD, ECAD, software and documents</td>
<td>Axeon, Medco Equipment, Xerox Corporation, InterComm</td>
<td><a href="#">SaaS</a></td>
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## Key Features
- [SaaS](#): Subscription or perpetual licenses
- [SaaS](#): On-site or private cloud

## Additional Features
- Automates task assignment, routing, scheduling and review of all document-based processes
- CAPA system ensures compliance
- Training management
- Nonconformance automation software automates, manages and streamlines processes for utilizing nonconforming materials
- Quality audit management
- Forms-based processes automation
- Facilitates electronic delivery of FDA applications
- Industry-specific PLM solutions for medical device, pharmaceutical and biotech manufacturers
- Complete audit trail of product’s lifecycle
- PLM module connects to broader ERP and manufacturing solutions
- Central repository for all quotes, FMEA, PPAP, tooling, CRM and other related information
- Easily convert quotes to a BOM when project is awarded
- Track and automate workflows
- Cross-application visibility, collaboration and traceability in real time
- Link information such as number of rejects and order releases
- Expedited order and shipping processing
- Accessible by tablet, smartphone, PC, PDA and more
- Manages product data and processes
- Parts list management
- Rules-based document and part numbering system
- Bill of materials
- Engineering drawing management
- Electronic file repository
- Engineering change management
- Vendor source management
- Materials content identification for regulatory compliance
- Import legacy parts, BOMs, design files and other PLM-related data
- Multi-user secured access
- On-site or private cloud
- Subscription or perpetual licenses
- Platform comprises various product development software applications for a comprehensive solution
- Data and process management
- Cross-functional BOM management
- CATIA offers 3D CAD tools for all manufacturing organizations
- ENOVIA provides digital collaboration functions
- Robust simulation tools
- NETVIBES lets users create personalized dashboards for real-time monitoring, social analytics and knowledge sharing
- GEOVIA offers eco-friendly modeling and simulating tools
- Manages, cross-references and offers visibility into all product-related content such as MCAD, ECAD, software and documents
- Compliance and risk management
- Quality management
- Product data management (PDM)
- Cost estimation
- Requirements management
- Supplier management
- Robust simulation tools
- NETVIBES lets users create personalized dashboards for real-time monitoring, social analytics and knowledge sharing
- GEOVIA offers eco-friendly modeling and simulating tools
- Design and content management

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