



# CATIA PDM: Software Reference Guide

**October 2004**

*Editor's Note: This Reference Guide includes data for CATIA Product Definition Management (PDM) vendors, including the top-level Dassault Systemes/IBM applications, ENOVIA and SMARTEAM, as well as third party, focused application providers. Some reseller information is included as well.*

*See our associated feature articles in the PDM Roundup in the CATIA Community, under Community Features. Included are: an Overview of PDM, PDM Functionality, and 64-bit ENOVIA Digital Mockup (DMU). (Feel free to use the Search function to find these by title.)*

*Note that, although one could include data translation software in the realm of PDM (some data translation software has many functional similarities to PDM), we have not included it in this Roundup. Please see our Translation/Migration Roundup, published in September 2004, for data translation vendors.*

*Data was submitted by the listed companies. ConnectPress cannot guarantee its accuracy; we suggest you contact the specific company for further information, particularly to confirm technical specifications regarding their products. All prices are in US dollars.*

This is a portrait layout, PDF document. You may print it in either color or black and white.

© 2004 ConnectPress, Ltd.; all rights reserved

<b>Company</b>	<b>cSHARE</b>	<b>Dassault Systemes S.A.</b>	<b>Dassault Systemes S.A.</b>
<b>Product Name</b>	RuleStream (Reseller of SMARTEAM also)	ENOVIA	SMARTEAM
<b>Integrated into CAD Systems?</b>	SolidWorks, Visio	CATIA V4, V5, AutoCAD, Inventor, UGS, Pro/E	CATIA V4, V5, SolidWorks, Pro/ENGINEER, AutoCAD, Mechanical Desktop, Inventor, Solid Edge, MicroStation, UGS NX, I-deas NX, etc.
<b>Non-CAD Systems Integrated With</b>	None	MS Office, MS Project; View image formats (PDF); integrate ERP, SCM w/ IBM WebSphere	MS Office & Project, ERP adapters to Oracle 11i, SAP R/3, leading ERP, SCM, CRM apps.
<b>Access Data from Multiple, Dissimilar CAD Systems?</b>	Yes	Multi-CAD translators; STEP data exchange	Yes
<b>2D/3D Viewer?</b>	No	Yes; adopting open 3D XML	Yes
<b>Central Database + Remote Doc. Vaults?</b>	Yes	Yes	Yes
<b>Multiple Levels of Security?</b>	Yes	Yes	Yes
<b>Single User Interface?</b>	No	Yes	Yes
<b>Automatic Titleblock Update?</b>	Yes	Yes	Yes
<b>Generate Image Files for Previewing?</b>	No	Yes	Yes
<b>Extract BOM, Associated Data, &amp; History?</b>	Yes	Yes	Yes
<b>Manage Parametric Parts &amp; Assemblies?</b>	Yes	Yes	Yes
<b>Support of Multiple Sites Via Internet/Land Lines?</b>	No	Yes	Yes
<b>Provide Structure, "Where Used" Data for Parts, Docs., Folders?</b>	Yes	Yes	Yes
<b>Configurable Restrictions For User(s), Group(s)?</b>	Yes	Yes	Yes
<b>Customer-Defined Change, Release Mgmt?</b>	Yes	Yes	Yes
<b>Operating System(s)?</b>	Not supplied	UNIX, AIX, Windows 2000/ XP, via internet browser	Windows 2000/XP, internet browser
<b>Database(s)?</b>	DB2, Oracle, SQL Server, SQL, Access	DB2, Oracle	DB2, Oracle included; supports DB2 8.1, FixPak 3 & 7.2 with FixPak 8; Oracle 9i, 8i rel. 3, MS SQL 2000 SP3, MSDE 2000
<b>Average Implementation Time?</b>	3-6 weeks based on complexity, availability of in-house expertise	Depends on size, legacy data, industry	Generally within 90 days
<b>Standards Compliant?</b>	Yes	Yes, DOORS compliant	Yes. Microsoft.Net, XML, MMC
<b>Price Per Seat?</b>	Varies per implementation	Contact local IBM Business Partner (see URL below)	\$1500-\$4000
<b>Web Address</b>	<a href="http://www.cshare.com">www.cshare.com</a>	<a href="http://www-1.ibm.com/solutions/plm/">www.enovia.com</a> <a href="http://www-1.ibm.com/solutions/plm/">http://www-1.ibm.com/solutions/plm/</a>	<a href="http://www-smarteam.com">www.smarteam.com</a> <a href="http://www-1.ibm.com/solutions/plm/">http://www-1.ibm.com/solutions/plm/</a>
<b>Contact</b>	Mark Orzen	IBM Partners (see URL above)	Resellers: Avatech Solutions: Jean Schaeffer cSHARE: Mark Orzen
<b>Email</b>	<a href="mailto:morzen@cshare.com">morzen@cshare.com</a>	See URL above for form	Avatech: <a href="mailto:plm@avat.com">plm@avat.com</a> cSHARE: <a href="mailto:morzen@cshare.com">morzen@cshare.com</a>
<b>Phone</b>	440.954.3145	N/A	Avatech: 800.520.8000 cSHARE: 440.954.3145

<b>Company</b>	<b>MSC.Software</b>	<b>Rational Design, Inc.</b>	<b>Visible Systems Corp.</b>
<b>Product Name</b>	MSC.SimManager	pdmOffice	Visible <i>LCS/S</i> PDM
<b>Integrated into CAD Systems?</b>	CATIA V5; "all CAD systems"	CATIA, SolidWorks, Pro/E, UGS, I-DEAS, Autodesk Inventor, Solid Edge..	Bundled with optional MYRIAD viewer which accesses >150 formats; optional native Pro/E
<b>Non-CAD Systems Integrated With</b>	IBM Websphere, MS Office, DB2, Oracle, Apache Tomcat, Adobe, SQL Server	MS Word, MS Excel, PDF, Text, Images, etc.	All currently supported MRP/ERP systems, operating systems; designed for use by manufacturing companies
<b>Access Data from Multiple, Dissimilar CAD Systems?</b>	Yes	Yes, most CAD plus electronic design automation solutions: Cadence, Mentor Graphics, etc	Yes (via MYRIAD)
<b>2D/3D Viewer?</b>	Yes	Yes, +design conferencing, redline/markup, meeting archive	MYRIAD as add-on
<b>Central Database + Remote Doc. Vaults?</b>	Yes	Yes	Yes; 5 remotely-accessible vaults
<b>Multiple Levels of Security?</b>	Yes	Yes; 128-bit encryption	Yes
<b>Single User Interface?</b>	No	Yes, to all ERP, PDM, CAD data	Yes (within client/server interface requirements)
<b>Automatic Titleblock Update?</b>	N/A	No	Yes, to all managed items
<b>Generate Image Files for Previewing?</b>	Yes	No	Yes, via in-house CAD system or MYRIAD Viewer
<b>Extract BOM, Associated Data, &amp; History?</b>	No	No (extract from CAD program directly)	Yes (BOM, baseline, family tree, change & part status, etc.)
<b>Manage Parametric Parts &amp; Assemblies?</b>	Yes	Yes, table-based view	Yes
<b>Support of Multiple Sites Via Internet/Land Lines?</b>	Yes	Yes	Yes
<b>Provide Structure, "Where Used" Data for Parts, Docs., Folders?</b>	Yes	Yes; attribute and reference-based search	Yes
<b>Configurable Restrictions For User(s) or Group(s)?</b>	Yes	Yes, role-based (groups) or user level	Yes; 3 levels
<b>Customer-Defined Change, Release Mgmt.?</b>	Yes	Yes; version control, lock/unlock, attribute management	Yes
<b>Operating System(s)?</b>	Windows, UNIX, Linux	Windows, UNIX (Sun, SGI, HP, Linux), Macintosh	Windows 95, 98, NT, 2000; Sun SPARC Solaris 2.5+, Macintosh (client side)
<b>Database(s)?</b>	DB2, Oracle, SQL Server	MS SQL, Oracle, MySQL, DB2	Oracle 7+, MS SQL Server 7+, Sybase SQL & Adaptive Server
<b>Average Implementation Time?</b>	N/A	Almost instantaneous online; may also be deployed on your premises behind firewall	1 week training, 1 week implementation
<b>Standards Compliant?</b>	Yes	Most leading industry initiatives	Yes; DoD CM, ANSI/EIA, ISO
<b>Price Per Seat?</b>	Contact company	<b>Hosted:</b> \$600/seat/yr.; \$4000 for 10 seats/yr.; <b>Licensed:</b> \$4999 one-time; \$1000/yr. support & maint.	Floating licenses (first come, first serve, not locked to client or user): 3 license bundle with year 1 maintenance: \$8795
<b>Web Address</b>	<a href="http://www.mscsoftware.com">www.mscsoftware.com</a>	<a href="http://www.pdmoffice.com">www.pdmoffice.com</a>	<a href="http://www.visible.com">www.visible.com</a>
<b>Contact</b>	Todd Evans	Rajiv Saxena	Stan Mazuroski
<b>Email</b>	<a href="mailto:todd.evans@mscsoftware.com">todd.evans@mscsoftware.com</a>	<a href="mailto:rajiv@pdmoffice.com">rajiv@pdmoffice.com</a> <a href="mailto:sales@pdmoffice.com">sales@pdmoffice.com</a>	<a href="mailto:stan.mazurozki@visible.com">stan.mazurozki@visible.com</a>
<b>Phone</b>	714.445.3066	510.427.9639	800.333.8984, x328