

What is PDM?

- ▶ PDM = Product Data Management
- ▶ Organize, control and find all important engineering information
- ▶ Allow sharing with downstream departments such as purchasing, manufacturing, quality assurance
- ▶ Controls, secures and facilitates the daily work-in-process (WIP) of your engineering, R&D and design departments



What is SolidWorks Enterprise PDM?

- ▶ SolidWorks Enterprise PDM is the best Product Data Management (PDM) solution for SolidWorks users to manage their engineering data, increase throughput and promote design reuse
- ▶ In addition to SolidWorks, SolidWorks Enterprise PDM also supports other CAD and Non-CAD packages for multi-CAD environments such as:
 - ▷ AutoCAD, Inventor, Pro/Engineer & Solid Edge
 - ▷ Microsoft Word, Excel, PowerPoint
 - ▷ Graphics Files - .TIF, .JPG, .GIF, .PDF
 - ▷ Any Windows application



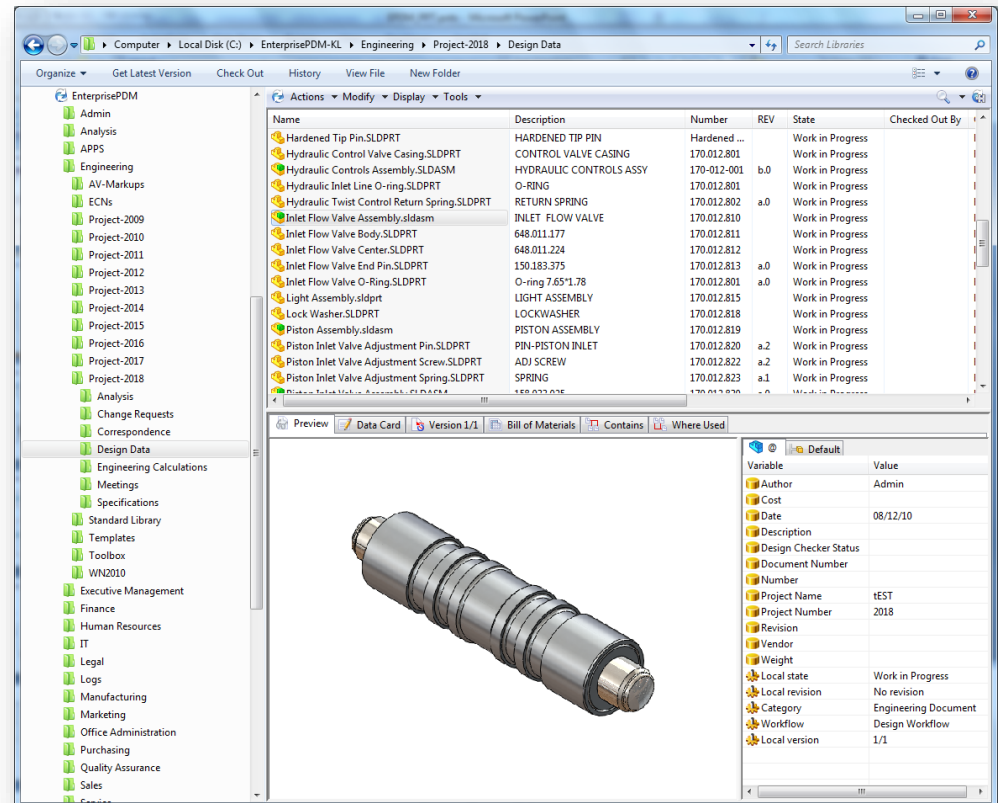
SolidWorks Enterprise PDM - A SolidWorks PDM Solution

- ▶ Direct from DS SolidWorks Corp.
 - ▷ SolidWorks – Simulation – SolidWorks Enterprise PDM
 - ▷ Best CAD litegration
 - ▷ Synchronized releases
 - ▷ Reliable single vendor solution
- ▶ All Inclusive
 - ▷ Server license
 - ▷ Client licenses (floating)
 - ▷ ~~Microsoft SQL Database~~
 - ▷ Graphical workflow
 - ▷ CAD integrations
 - ▷ Vault replication
 - ▷ Application Programming Interface (API)



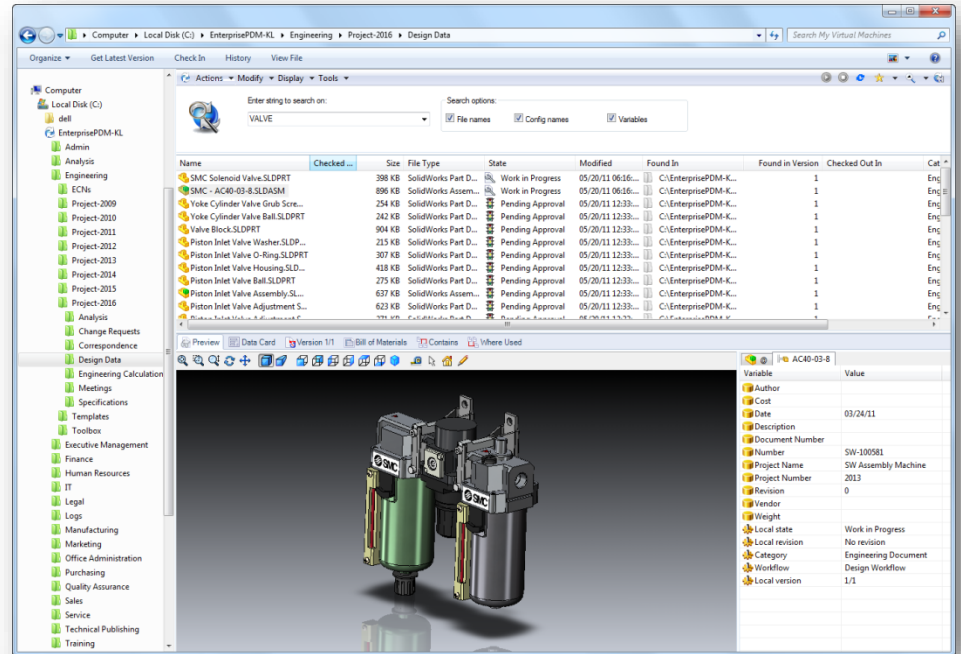
Short Productivity Curve - Fast ROI

- ▶ Fast Implementation
- ▶ Low training requirement
- ▶ Configurable
- ▶ Built as extension of Windows Explorer
- ▶ Integrated within SolidWorks, Pro/Engineer, AutoCAD and Inventor



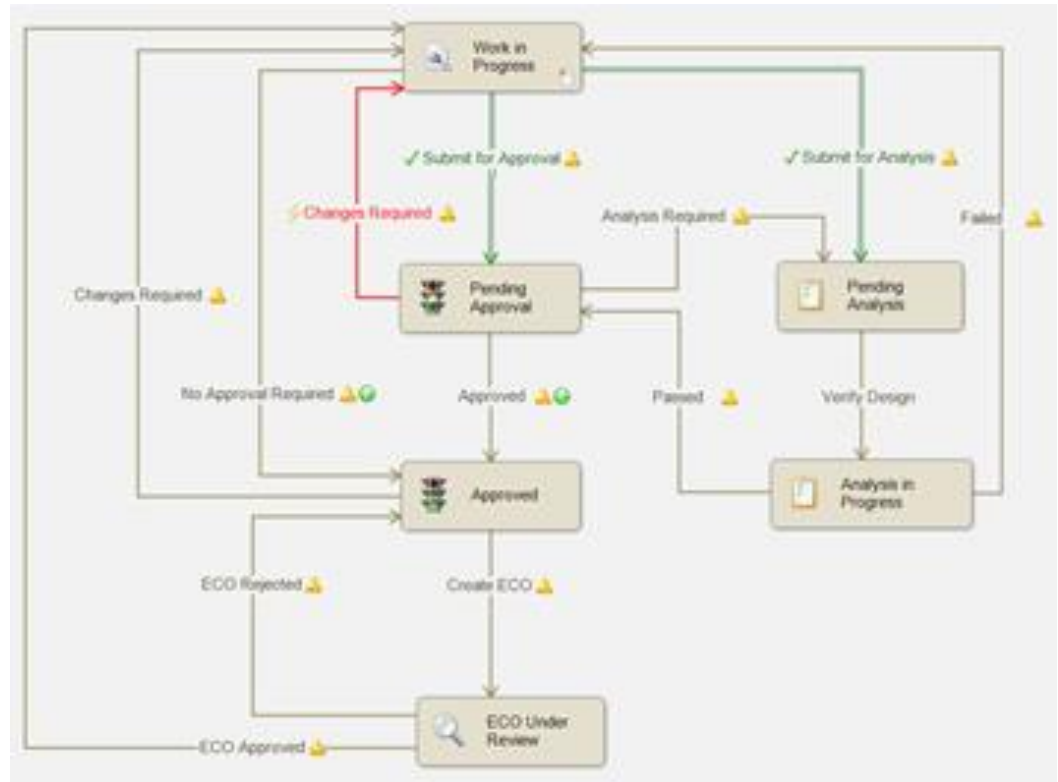
Powerful Search Tools - Design Reuse

- ▶ Promotes design reuse to lower engineering and manufacturing costs
- ▶ Fast & Powerful
- ▶ Integrated into Windows Explorer and Open dialogs
- ▶ Saved and Shared Search Favorites



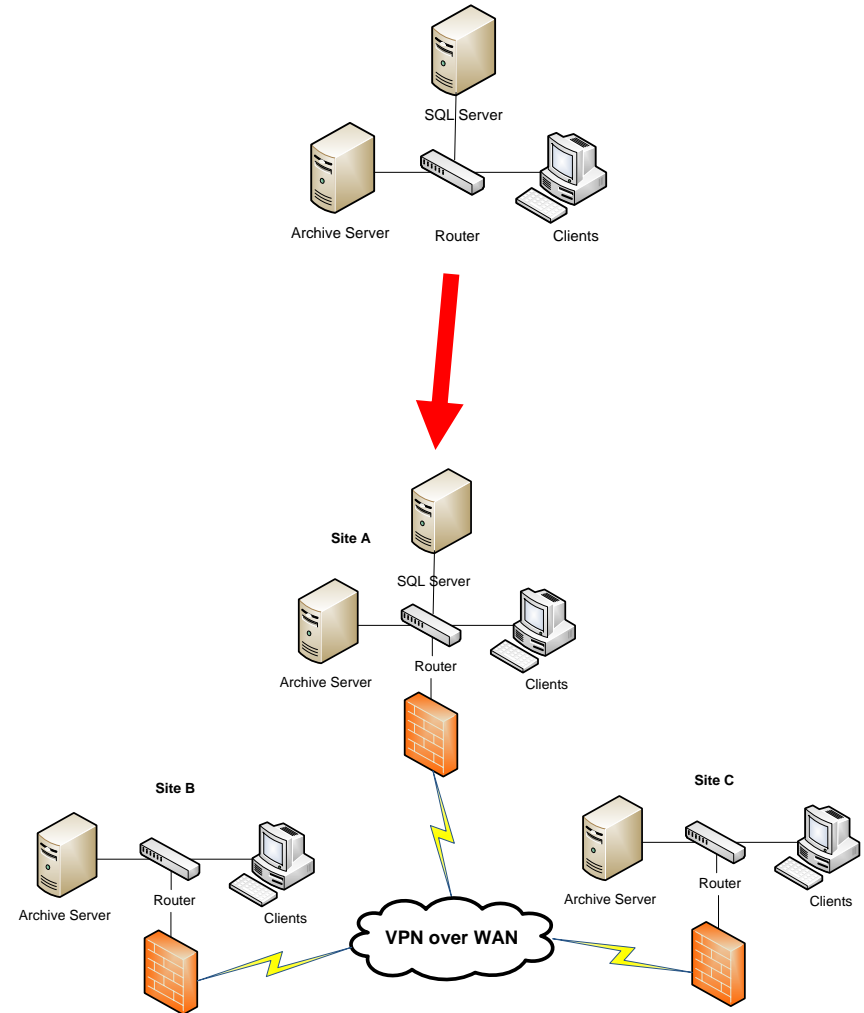
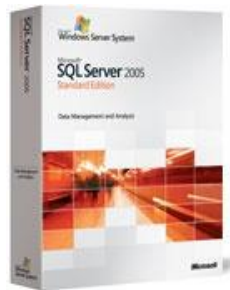
Flexible Workflow – Maintain Compliance

- ▶ Streamlines and enforces company processes
- ▶ Ensure compliance
- ▶ Easy to setup multiple workflows
- ▶ Flexible and fully configurable to match your processes



Scalable – Reduces Risk

- ▶ Built on industry standard database
- ▶ Microsoft Structured Query Language (SQL) Database
- ▶ Supports 1 to hundreds of users
- ▶ Supports 1 to many global locations
- ▶ Customizable using standard tools such as Visual Basic.net
- ▶ Open Application Programming Interface (API)



Data Connectivity

- ▶ Enables information sharing with existing systems
- ▶ Create and Share Bill of Materials (BOM)
- ▶ Multiple formats
Excel, ASCII Text, XML
- ▶ Import data
- ▶ Export data
- ▶ Access external database information

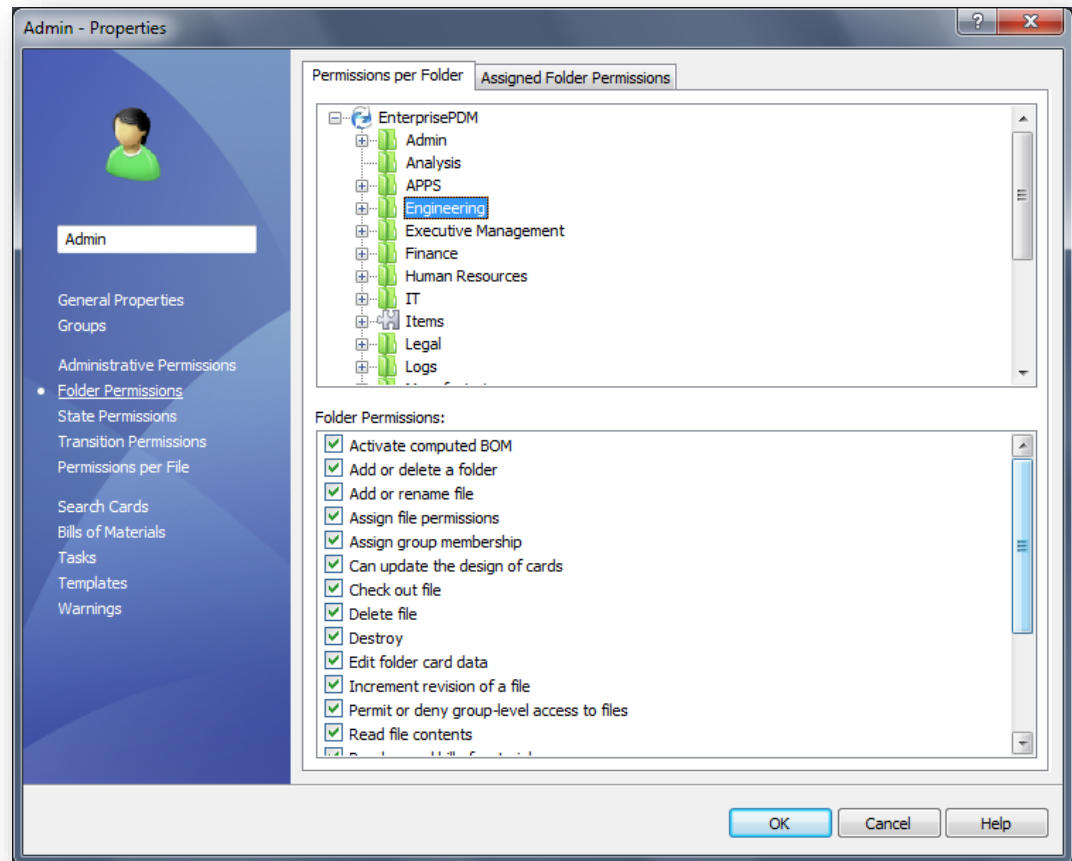
The screenshot displays the SolidWorks Bill of Materials (BOM) interface. The main window shows a BOM for '4240 Spreader.SLDASM'. An 'Export Rule' dialog box is open, allowing the user to export the BOM to an external system. The dialog is configured with the following settings:

- Rule name: Export BOM to Oracle
- Output XML-files to folder: C:\Documents and Settings\rallen\My Documents\ERP Output
- Output XML-file name: File Name Counter-04.XML
- Bill of material to export: Purchasing (Computed)
- Variable used to identify a file: FileName
- Alias set to use in XML-file: Oracle ERP

File Name	Description	Qty	Number	Configuration	Revision
Pivot Pin Bushing.SLDPR	BUSHING	4	H02-035-265	Default	
Pivot Pin Lock Nut.SLDPR	LOCK NUT	2	H02-035-665	Default	
Pivot Pin Washer.SLDPR	WASHER	2	H02-035-215	Default	
Plunger Assembly.sldasm	PLUNGER ASSEMBLY	1	170.012.860	Default	
ZUIGER PISTON	ZUIGER PISTON	1	170.012.819	Default	
PLUNGER	PLUNGER	1	170.012.904	Default	
TIP PIN	TIP PIN	1	H02-035-542	Default	
SPREADER TIP	SPREADER TIP	1	170-012-007	Default	
YOKE CYLINDER	YOKE CYLINDER	1	170.012.770	Default	
CYLINDER SEAL	CYLINDER SEAL	1	170.012.587	Default	
RETURN TUBE	RETURN TUBE	1	170.012.892	Default	
STOP RING	STOP RING	1	170.012.755	Default	
CYLINDER	CYLINDER	1	170.012.777	Default	

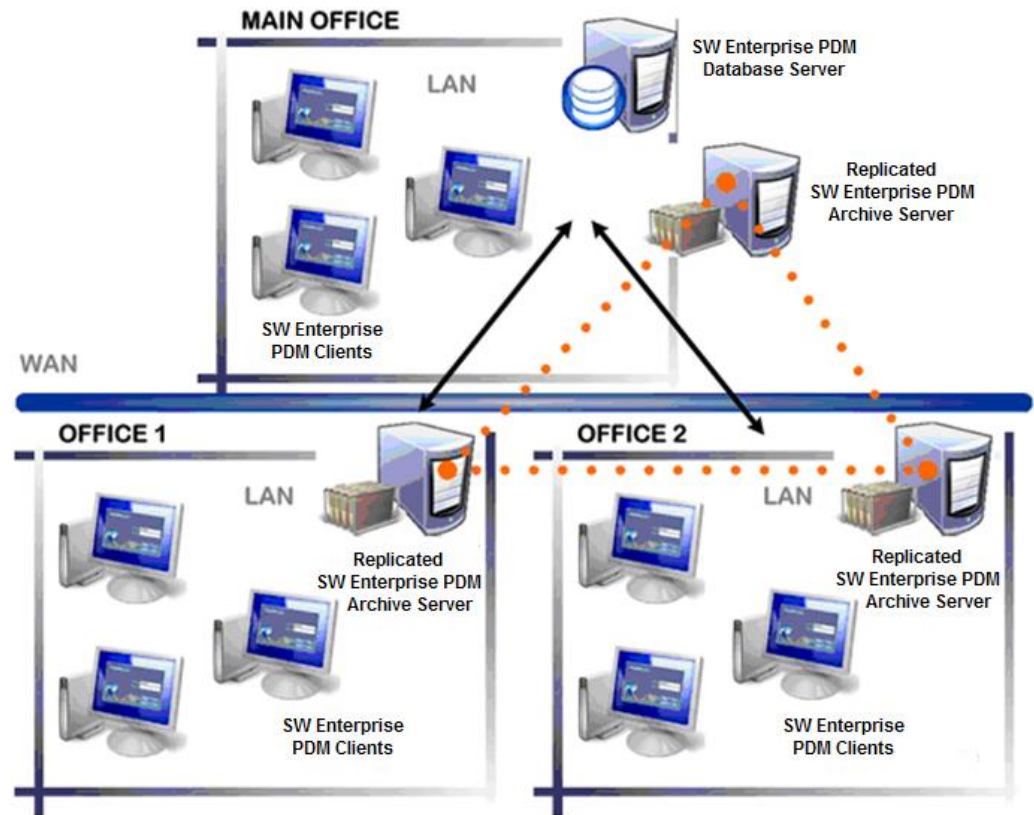
Granular Security

- ▶ Protects intellectual property
- ▶ User log in names and passwords
- ▶ Optional links to network operating systems
- ▶ Access controls for files and folders
- ▶ Access controls for Bill of Materials
- ▶ Multiple log & history files



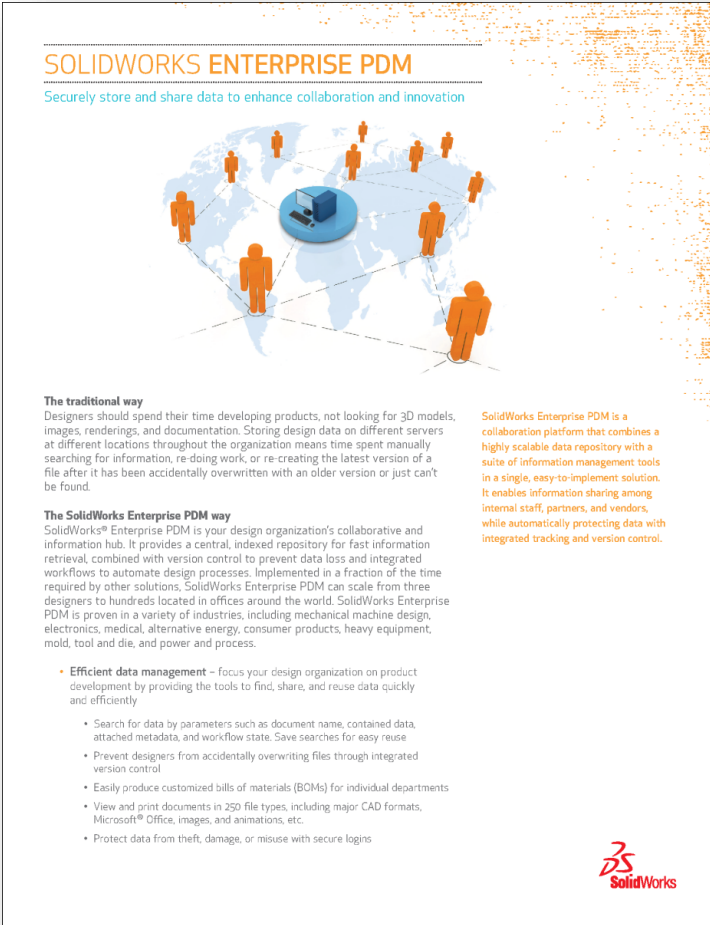
Replication

- ▶ Supports globally distributed design teams - WAN
- ▶ Ability to locate files globally
- ▶ Controls over replication schedule
- ▶ Reduce bandwidth thru replication of current version only




All Inclusive Out of the Box Solution

- Server license
- Client licenses (Floating)
- ~~Microsoft SQL Database~~
- Graphical workflow
- CAD integrations
- Vault replication
- Application Programming Interface (API)



SOLIDWORKS ENTERPRISE PDM
Securely store and share data to enhance collaboration and innovation



The traditional way
Designers should spend their time developing products, not looking for 3D models, images, renderings, and documentation. Storing design data on different servers at different locations throughout the organization means time spent manually searching for information, re-doing work, or re-creating the latest version of a file after it has been accidentally overwritten with an older version or just can't be found.

The SolidWorks Enterprise PDM way
SolidWorks® Enterprise PDM is your design organization's collaborative and information hub. It provides a central, indexed repository for fast information retrieval, combined with version control to prevent data loss and integrated workflows to automate design processes. Implemented in a fraction of the time required by other solutions, SolidWorks Enterprise PDM can scale from three designers to hundreds located in offices around the world. SolidWorks Enterprise PDM is proven in a variety of industries, including mechanical machine design, electronics, medical, alternative energy, consumer products, heavy equipment, mold, tool and die, and power and process.

SolidWorks Enterprise PDM is a collaboration platform that combines a highly scalable data repository with a suite of information management tools in a single, easy-to-implement solution. It enables information sharing among internal staff, partners, and vendors, while automatically protecting data with integrated tracking and version control.

- **Efficient data management** – focus your design organization on product development by providing the tools to find, share, and reuse data quickly and efficiently
 - Search for data by parameters such as document name, contained data, attached metadata, and work-flow state. Save searches for easy reuse
 - Prevent designers from accidentally overwriting files through integrated version control
 - Easily produce customized bills of materials (BOMs) for individual departments
 - View and print documents in 250 file types, including major CAD formats, Microsoft® Office, images, and animations, etc.
 - Protect data from theft, damage, or misuse with secure logins



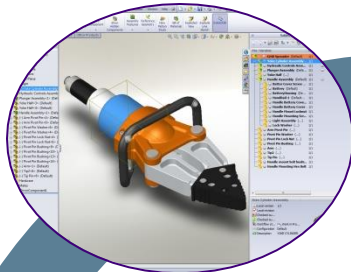
Summary

- ▶ SolidWorks Enterprise PDM is a tightly integrated PDM system that can help your company:
 - ▷ Increase Engineering Throughput
 - ▷ Lower Engineering and Manufacturing Costs
 - ▷ Maintain Control and Aid with Compliance
- ▶ SolidWorks Enterprise PDM is produced and backed by SolidWorks ensuring:
 - ▷ Tight Integration to SolidWorks
 - ▷ Synchronized Releases
 - ▷ Great Service and Support through our VAR Channel

Thank You – Benefits Summary

SolidWorks Enterprise PDM

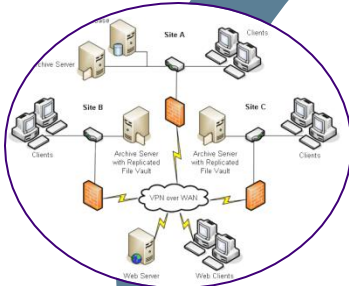
Fast Return on Investment (ROI)



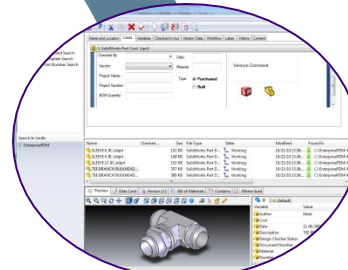
Control Employee & Supplier Access



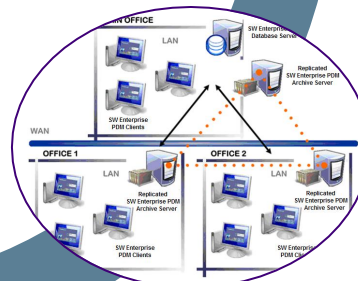
Reduce Risk



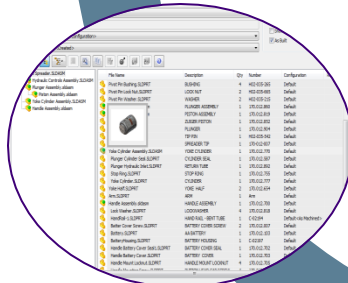
Enable Design Reuse



Improve Global Communication



Minimize Errors and Duplicate Data Entry



Maintain Compliance

