

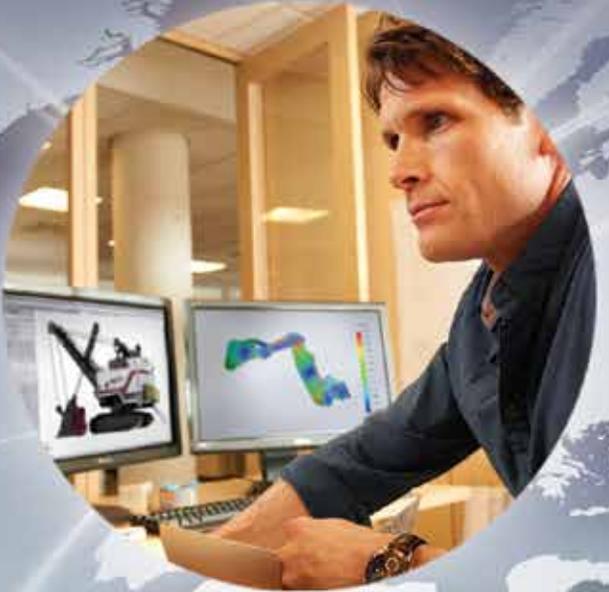


3DEXPERIENCE™

SOLIDWORKS ENTERPRISE PDM

SEAMLESSLY INTEGRATE ANY DEVELOPMENT OPERATION







SOLIDWORKS ENTERPRISE PDM

CONTROL YOUR DESIGN DATA

Bring your design data under control and improve the way your teams manage and collaborate on product development.

Easy-to-implement SOLIDWORKS® Enterprise PDM provides an extensive set of intuitive product data management (PDM) solutions for implementing, administering, and leveraging PDM as the underlying foundation of your product development. That means you can reduce the chances of broken assemblies, unnecessary development delays, or accidental overwriting of files. From now on, every one of your designers, vendors, and customers will be able to work with the same secure data.

SOLIDWORKS Enterprise PDM requires essentially no administrative time and gives you these key features:

- One centralized vault to secure your design data
- Advanced search tools for easy design reuse
- Built-in tools to maintain standards compliance
- Significant ongoing operational cost savings
- Faster, streamlined workflow across your organization

Here are examples of what SOLIDWORKS Enterprise PDM can do, told through three SOLIDWORKS customers.



Teknion Corporation



CP Manufacturing



Robert Bosch

INTEGRATE DATA MANAGEMENT FOR ANY SIZE OPERATION

Teknion Corporation is a leading international designer and manufacturer of office systems and related furniture products. Focusing on the innate possibilities of change in office systems drives Teknion's design goals. Achieving its objective to develop products that consistently satisfy and exceed changing market demands, however, requires flexibility, agility, and creativity in product development.

According to Product Engineering Manager Claudio Perfetti, "We needed to handle an increasing volume of configurations—modeling a huge range of options, heights, and widths—while improving accuracy and streamlining manufacturing."

As Teknion's product development grew, so did its data management challenges. With engineering teams and manufacturing divisions at different sites working concurrently, the company needed to control revisions and keep design data locked down and secure. "Our SOLIDWORKS EPDM vault currently contains 150,000 files," Perfetti notes. "Although furniture designs can differ widely among the design and engineering groups, it's important to have everyone on the same platform, both for quality control and for collaborative work on special projects."

Results:

- Quadrupled the number of product lines
- Reduced development time by 50 percent
- Cut prototyping requirements in half
- Supported sales, collaboration, and sustainable design initiatives



"With SOLIDWORKS solutions, we have progressed from designing products more efficiently to managing global design data more effectively to considering ramifications of our products."

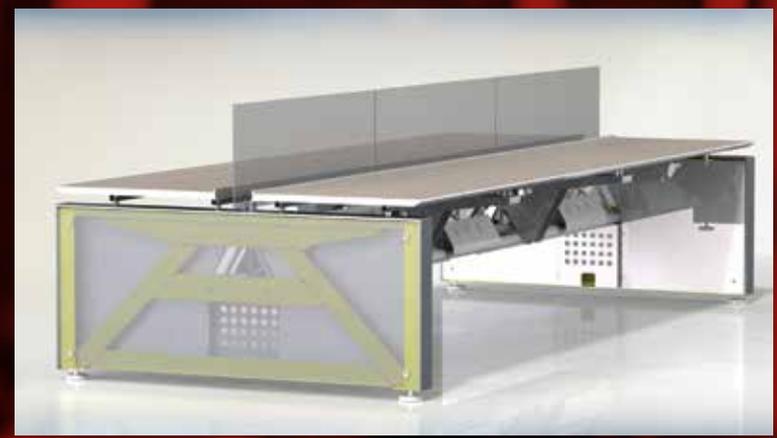
Claudio Perfetti
Product Engineering Manager
Teknion Corporation





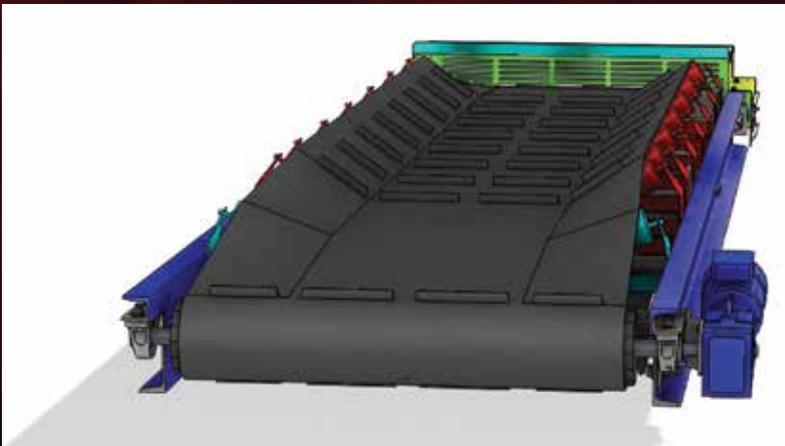
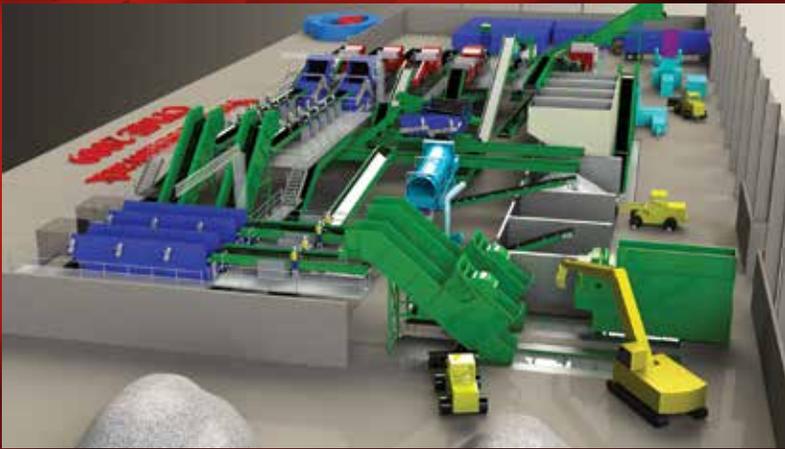
HELP REDUCE ERRORS AND OVERWRITTEN FILES WITH ONE SECURE DATA VAULT

SOLIDWORKS Enterprise PDM gives you one central place to store all your design data. By giving managed access to internal users, partners, customers, and your supply chain, you streamline your entire operation. Because everyone is working with the same documents, drawings, and parts lists, you can help create a huge increase in productivity and reduce the chance of a costly error caused by someone using the wrong version of a file.

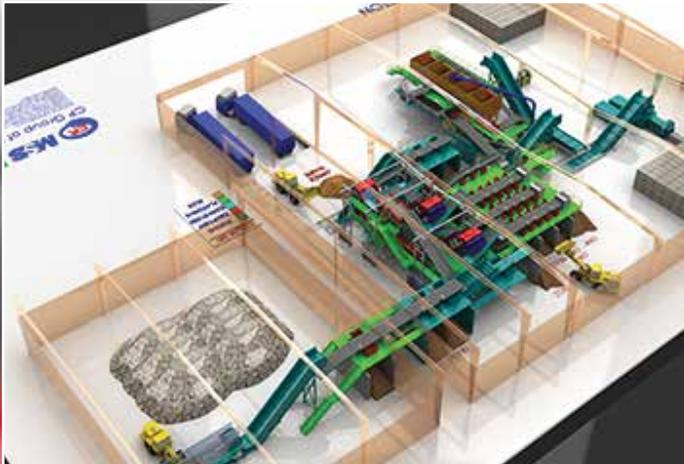


NEVER BUILD THE SAME PART TWICE

Since SOLIDWORKS Enterprise PDM allows you to search for documents based on name, data, custom properties, title block, and workflow stage, you can easily find and reuse design data. This added efficiency not only cuts down on design time and costs, but also helps improve organization-wide standardization and accuracy. And every revision is automatically saved as a new version to help reduce the chance of broken assemblies.



SHORTEN YOUR DESIGN DEVELOPMENT TIME



“SOLIDWORKS has provided us with the ability to configure and set up master models, which allows us to create fast variations for different design elements, such as specific materials, disc patterns, conveyor widths and lengths, or the spacing between discs or rotors.”

Adrián Velázquez
CAD Development Manager
CP Manufacturing

CP Manufacturing, Inc., a leading innovator in waste management and recycling equipment, is known for superior engineering and advanced disc-screen separation. As demand for its custom-engineered plants and equipment grew, the company needed to shorten delivery times and decided to move from 2D design to 3D.

“As a company, we had to shorten our design-to-operation cycle to continue to grow. A 3D platform would provide the design automation, reuse, and configurability efficiencies required to meet our goals,” said CAD Development Manager Adrián Velázquez.

The company relies on SOLIDWORKS sheet metal and design configuration capabilities to help realize productivity gains.

Using SOLIDWORKS Enterprise PDM, CP Manufacturing has instituted automated workflows that streamline development and has eliminated paper from its document management process.

CP Manufacturing’s SOLIDWORKS Administrator Jason Kerns notes, “The search tool in SOLIDWORKS Enterprise PDM lets our designers quickly find and reuse parts. We then set up workflows and incorporated other functions, like material control, document control, CNC machining, and other processes that can leverage design data. The automated workflows improved efficiency and shortened release times.”

Results:

- Cut design time in half
- Reduced design errors
- Automated workflows
- Implemented paperless document management system

CUSTOMIZE TO CREATE SPECIFIC WORKFLOW PROCESSES

Robert Bosch LLC is the world's largest automotive components manufacturer, and produces technologies and consumer goods for applications as varied as packaging, production, and security solutions, home appliances, power tools, healthcare products, solar energy, and turbine systems. With over 300,000 employees, Bosch takes a sophisticated approach to identifying design and engineering tools that can help increase productivity.

Bosch professionals use SOLIDWORKS CAD and Simulation tools to create and analyze models for products, tooling, and machinery, and use SOLIDWORKS Enterprise PDM to manage design data. Bosch has a stringent set of standards and procedures—known as “Bosch Norms.” The SOLIDWORKS Application Programming Interface (API) provides Bosch with the flexibility to adapt SOLIDWORKS tools to meet these standards.

“We utilize SOLIDWORKS Enterprise PDM, and have created methods that allow us to move drawings directly into SAP, our enterprise resource planning system,” said Janine Essex, Bosch global product manager. “We have many automated processes that help our engineers use various SOLIDWORKS applications while adhering to Bosch Norms, the backbone of engineering.”

Results:

- Reduced fixture change-out time by 20 percent
- Realized 500 percent time savings in electrical-mechanical design integration
- Standardized on one platform for manufacturing/machine design
- Grew number of SOLIDWORKS users from 11 to 3,000



“We selected SOLIDWORKS because it could efficiently handle a variety of data formats in order to reach our ultimate goal of streamlining manufacturing.”

Janine Essex
Global Product Manager
Bosch

MEET THE UNIQUE REQUIREMENTS OF YOUR PRODUCT DEVELOPMENT ENVIRONMENT

SOLIDWORKS Enterprise PDM allows you to expand the system to help you maximize productivity, collaboration, and communication benefits by automating additional processes and connecting with other business systems. Using common programming languages, along with the included SOLIDWORKS EPDM API libraries, you can create custom add-ins or automation programs to help maximize the return on your PDM investment.





LEARN MORE ABOUT WHAT SOLIDWORKS ENTERPRISE PDM CAN DO FOR YOUR BUSINESS

You've seen the control, efficiencies, and cost savings SOLIDWORKS Enterprise PDM has brought to both small design firms and international corporations alike. Now see what it can do for your organization. Talk to your local SOLIDWORKS Value-Added Reseller for a custom evaluation, or visit www.solidworks.com/EPDM to learn more.



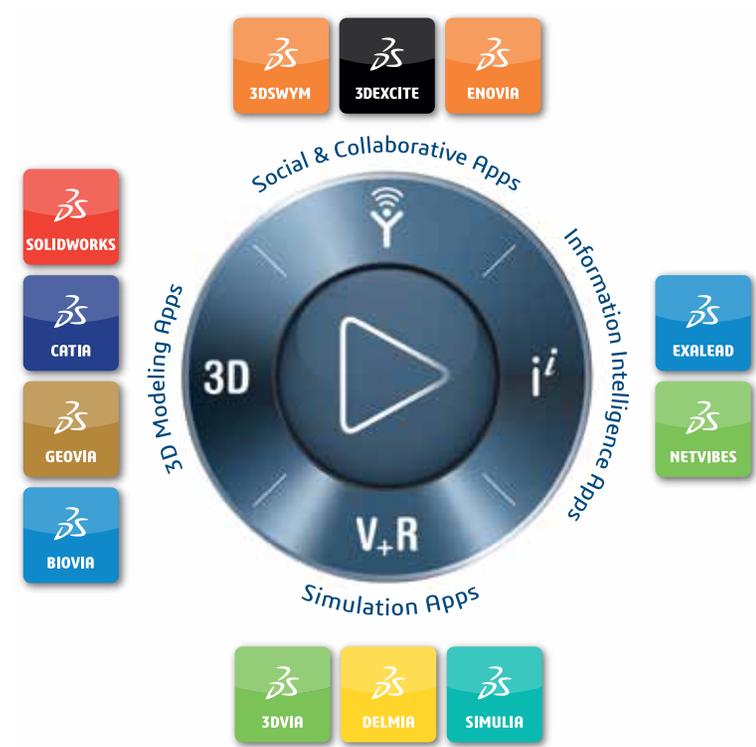
SOLIDWORKS ENTERPRISE PDM DATA MANAGEMENT PRODUCT FEATURES

Secure Access	Protect your product design data with secure, managed access to authorized individuals, over a network or via the web. In addition to internal users, you can also permit access to partners, customers, and your supply chain.
Revision Control	Help your design team avoid overwriting files and help purchasing and manufacturing order and produce the correct parts, every time.
Find Files	Quickly and easily find SOLIDWORKS files by searching on metadata.
Scalability	As your design organization grows, you'll work with the same high level of speed, functionality, and security.
Custom Configuration	SOLIDWORKS Enterprise PDM is fully configurable to work effectively within your unique team structure, design process, and industry.
Find and Reuse Design Data	Quickly locate documents based on their names, contained data, attached metadata, workflow state, and many other parameters. For even greater productivity, you can predefine, save, and share your searches.
Full Document Preview	View and print more than 250 file types, including SOLIDWORKS, AutoCAD®, Inventor®, Solid Edge®, PDF, and Microsoft® Office, plus images, animations, movie files, and many others.
Distributed Design Teams	For multisite, multinational companies, SOLIDWORKS Enterprise PDM supports document and drawing vault replication over a WAN, making current design information immediately available worldwide.
Remote Access	Increase the productivity of designers, managers, and sales and marketing personnel by permitting remote access to design data.
Automated Approval Process	Increase productivity, quality, and accountability when you engage key users in workflow and approval processes. SOLIDWORKS Enterprise PDM supports the automation of workflows.
Audit Trail	Quickly access an audit trail of product development activities. Meet internal and external compliance reporting requirements. Identify process issues and drive continual improvement to maintain your competitive advantage.

For more details about SOLIDWORKS Enterprise PDM, visit www.solidworks.com/EPDM.

Our 3DEXPERIENCE platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.



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