

Solid Edge SP

Faster design project completion with Solid Edge for SharePoint

Benefits

- A simple and visual approach to managing complex data, resulting in reduced errors and rework
- Reduce time your designers spend on non-productive design management tasks
- Easy to understand complex data relationships and the impact of proposed changes
- Easily manage data by projects for improved resource utilization
- Out-of-the-box solution with fast deployment and familiar user interface

Features

- Part structures group together revisions and related documents that define a design
- Relation Browser for dynamic visualization of data relationships
- Embedded in Solid Edge for transparent completion of design management tasks
- Product structure editor for easy assembly configuration and BOM reporting
- Web browser for easy access
- Built-in ECR and ECO management
- Built on Microsoft SharePoint – easy to deploy and support

Summary

The Solid Edge™ SP design management solution is for Solid Edge users who are finding that as the volume of their data grows, using Windows folders and network drives is limiting their ability to complete their design projects efficiently. Solid Edge SP addresses this issue by providing easy vaulting and retrieval of Solid Edge files and related design data, along with a visual approach to managing linked documents, product structures and projects. Solid Edge SP also simplifies and automates error-prone processes such as new product introduction, engineering change and release to manufacturing.

Solid Edge SP takes advantage of the Microsoft SharePoint collaboration platform to introduce dynamic new tools for organizing Solid Edge files and related documents. The software gives designers easy access to visualize a wide variety of documents and their relationships, and supports fast completion of everyday engineering tasks. Solid Edge SP also supports easy product structure management, bill of materials (BOM) reporting and the ability to manage designs by project. This straightforward approach to managing complex data simplifies your design world, enabling you to meet or exceed your targets for design project completion.

Easy management of Solid Edge files and related documents

With Solid Edge SP, design definitions are not restricted to a single file but instead use a powerful and flexible part structure that collects all the revisions and documents that describe the design. Example documents include Solid Edge part and assembly files for complete 3D definition, 2D drawings for traditional design documentation and JT™ files for visualization



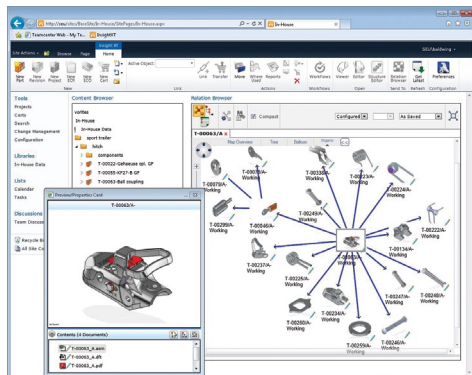
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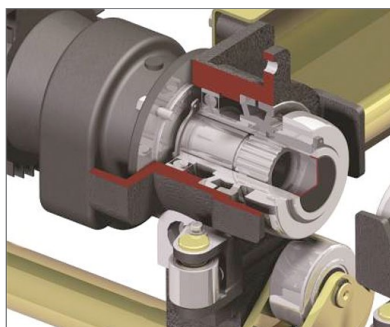
Solid Edge SP

and collaboration. Microsoft Office documents such as Word and Excel for specifications and analysis are also supported. The Content Browser can be used to display and explore these part structures. This overcomes some of the limitations inherent in Windows folders and SharePoint libraries.



Synchronized with Solid Edge for transparent task completion

Solid Edge SP is embedded into Solid Edge, enabling the transparent completion of many tedious design management tasks. For example, when you are looking for a part to insert into an assembly, you can browse and search the database from the standard Solid Edge dialog. Graphical previews of selected parts are also available, helping ensure you use the correct data. Additional design management information enhances the Solid Edge Assembly Pathfinder, for example, telling you that another user is working on a part that is referenced in the current assembly. You are also notified when that part becomes available for your use.

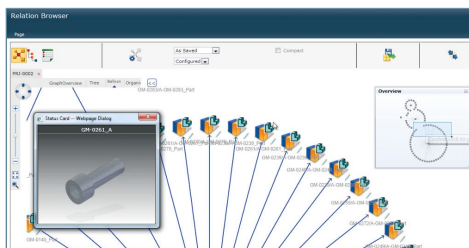


Web browser for easy access

In addition to access through the embedded Solid Edge interface, you can access Solid Edge SP through a standard web browser. This makes deployment easier and enables wide access for users across multiple departments. The user interface follows Microsoft Office standards, providing a fast learning curve. The interface gives you state-of-the-art tools for easy visualization of product structures and many other design relationships.

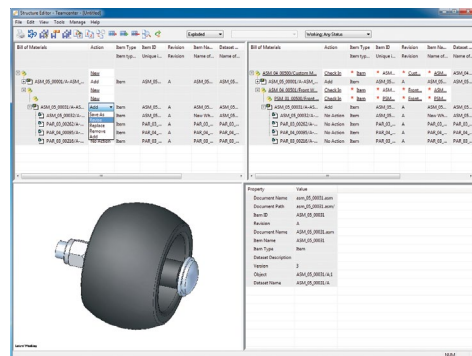
Dynamic visualization of related data

A key capability of Solid Edge SP is dynamic visualization of many different types of data relationships including product structures, projects, engineering change requests (ECRs), engineering change orders (ECOs) and collection carts. You not only have the flexibility to display these relationships in traditional lists or tree structures, but you also have the ability to choose more dynamic balloon and organic display options. Navigation around large and complex data structures is made even easier with an overview window that shows you exactly where you are looking within a large structure. These tools help you rapidly understand complex data structures and enable you to easily see the impact of proposed changes.



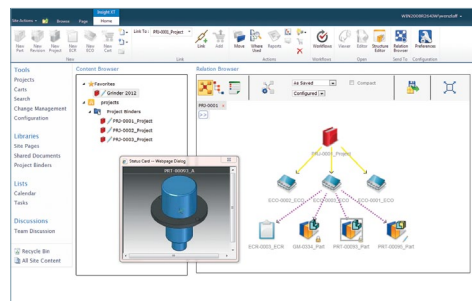
Create and modify product structures outside Solid Edge

The Structure Editor enables you to comprehensively and efficiently manage product structures independently from Solid Edge. You can edit existing Solid Edge assembly structures and projects, and insert, replace or delete parts and subassemblies. These changes are automatically incorporated the next time you open the assembly using Solid Edge. You can create and store BOM reports in the part structure alongside the assembly model. You can use these reports as the basis for integration to ERP.



Built-in ECR and ECO management

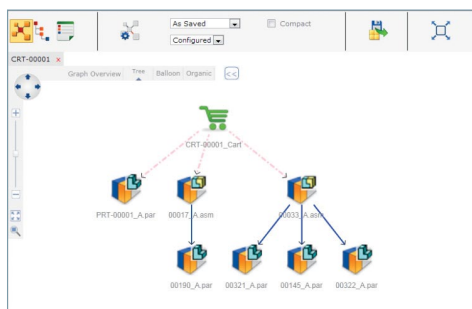
Solid Edge SP provides out-of-the-box support for managing ECRs and ECOs including standard data types, forms and workflows. You can link multiple ECRs to an ECO, and multiple ECOs to a project. This optimizes resource allocation as design tasks are grouped together and are clearly visible. You can also use the Relation Browser to easily explore ECRs, ECOs and their associated data.



Manage data by project and by using collection carts

Managing data by project is a common requirement for manufacturing organizations. Solid Edge SP supports this need by providing powerful and visual project structures that make design projects more visible and easier to manage. Projects can reference any type of data including assemblies, parts, part revisions, documents, ECRs and ECOs. Solid Edge SP projects overcome many of the inherent limitations of Windows folders and SharePoint libraries. For example, you can automatically link new revisions of data to the same project and allow multiple projects to reference the same data.

Collection carts provide a simple and flexible method for grouping data on an ad hoc basis. You can perform actions such as updating engineering drawings and releasing them to manufacturing on cart contents. You can use collection carts to create temporary and personal collections of data, and to support more formal tasks such as gathering data for a design review. You can easily view projects, collection carts and their associated data using the Content Browser and Relation Browser.



Fast implementation on existing IT infrastructure

Solid Edge SP customers benefit from fast implementation of a preconfigured environment and can be in production and benefiting from improved control of their design data and faster completion of everyday engineering tasks within a few days.



Building Solid Edge SP on Microsoft SharePoint enables you to take advantage of the extensive capabilities of this leading collaboration platform that is readily available to, and understood by, most IT departments. You also have the opportunity to integrate your design data and processes with other key business processes that are managed using SharePoint.

Solid Edge SP
Simplify your design world.

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