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

Dassault Systèmes, the 3D EXPERIENCE® 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 220,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.

THE ELECTRONIC DATA AN ORGANIZATION CREATES AND NEEDS TO ACCESS COMES IN MANY FORMS

At the broadest level, there is the typical file data such as documents and spreadsheets. Then there is the data about the data, often termed metadata. This could be part numbers, descriptions and authors. On top of all this, there is processes data—project information, email correspondences, etc. The DDM data could be in either a file format that could be very useful if it was easy to access.

Then there’s the most challenging data to capture and reuse which is the kind that has never been committed to an electronic format. It resides either in the heads of employees. Thus, the challenge that organizations face is how to simply and logically capture, organize and federate all this data across departments and to external organizations.

Typically, there is a central Enterprise Resource Planning (ERP) system that holds much of an organization’s data regarding its finances, personnel and Stock Keeping Units (SKUs). In addition to ERP, separate point applications may exist to handle specific departmental needs. SOLIDWORKS® Distributed Data Management (DDM) tools can organize and tie the data so it is easy to access across many things such as departmental and organizational silos. It allows businesses to capture non-electronic data and compile electronic data such as 3D shapes.
DISTRIBUTED DATA MANAGEMENT PORTFOLIO

The SOLIDWORKS product portfolio for DDM consists of purpose-built applications from simple Product Data Management (PDM) geared for CAD users to advanced data management and searching platforms.

SOLIDWORKS PDM

Centralizes the storage of users’ engineering data and related files, yielding the following benefits:

• Secure repository for fast information retrieval
• Version control for both minor changes and major revisions, helping prevent data loss
• Integrated workflows that streamline the design and approval process for more efficient review and release of final designs
• Implemented in a fraction of the time required by other product data management solutions

With SOLIDWORKS PDM, users can dramatically reduce the time they spend searching for parts, assemblies and drawings. As part of the SOLIDWORKS Design to Manufacturing Process, SOLIDWORKS PDM will help you drive design review and manage the overall product development process.

Project management

SOLIDWORKS Manage provides critical information to help teams focus on important tasks and provides an overview of resource capacity for better planning and utilization.

• Manage project stages, milestones and versions
• View resource utilization and capacity
• Attach items, files and list deliverables
• Observe user tasks and trends to track progress

Item management

SOLIDWORKS Manage brings together all places—files, components, model documents, and design assets. As part of the SOLIDWORKS Design to Manufacturing Process, SOLIDWORKS PDM will help users drive design review and manage the overall product development process.

Customer benefits

• Decrease duplicate part proliferation and accelerate new product development agility
• Leverage past knowledge to enhance products
• Reduce proven and qualified designs and parts
• Make decisions based on parts-related documentation
• Reduce 2D/3D assets from legacy data immediately
• Repurpose past designs hidden from view
• Speed ramp-up time for new projects

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Improve quality and decrease risk

• Avoid creating duplicate designs and parts
• Reduce increasing costs to qualify and manufacture existing parts
• Accelerate downstream release processing and logistics
• Decrease redundant inventory and support
• Quickly identify existing alternative parts

See the full range of SOLIDWORKS software for design, simulation, technical communication and data management visit www.solidworks.com.

Key capabilities

Searchability of parts, assemblies, drawings, documents and images in more than 200 formats.

• Access to multiple data sources, including file systems, SOLIDWORKS PDM Professional, ENOVIA® ShareTank®, ENOVIA Designer® Central, and other PDMs, ERPs and databases
• Full-text search with auto-completion of user queries, advanced search, and dynamic and disjunctive faceted search
• 3D mechanical feature mining (locating parts based on holes, pads, grooves, and other characteristics)
• Part discovery through 3D shape similarity
• Analyze view with clickable, real-time charts, allowing for uncompromised insight into data
• Automatic grouping of identical files
• User tagging of parts and documents for easy retrieval and sharing
•联赛 Tagging of parts and documents for easy retrieval and sharing

EXALTED ONEPART

OnePart™ (formerly EXALTED™) is a business discovery application that accelerates reuse of parts and leverages part design, specifications, standards, build results, costing and all related documentation. This enables engineers to gain rapid visibility into using information hidden anywhere inside the organization.

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“...we benefited from SOLIDWORKS PDM almost immediately because our work takes less time and our customer enjoys substantial efficiencies on the back end.”

— Martin Stanc, B&D Managers, NJ Design