

BENEFITS

- Create any type of 3D part, from rough 3D sketches to fully detailed industrial assemblies.
- Unbreakable relational design - a new way to manage links between objects and related behaviors in configured assemblies.
- Smooth evolution from 2D- to 3D-based design methodologies.
- Productive and consistent drawing update removes the need for additional user operations.
- Process oriented tools capture the manufacturing process intent in the early stages of design.
- Wide range of applications for tooling design, for both generic tooling in addition to mold and die. Advanced technologies for mechanical surfacing, based on a powerful specification-driven modeling approach

MECHANICAL ENGINEERING

From aerospace applications through to process and power plant design, the 2D & 3D definition of fluid systems is driven by multiple standards and specifications that fully define the system classification and usage context. The Dassault Systèmes fluid systems design solution provides a powerful specification driven design environment that integrates your company know-how into the detailed design process.

AEC ENGINEERING

CATIA for Architecture Engineering & Construction provides with all necessary applications for conceptualizing, planning and modeling a building program. The software suite also offers powerful tools to collaborate and make educated decisions using one single source of truth.

MACHINE & EQUIPMENT DESIGN ENGINEERING

The CATIA Industrial Equipment Engineering suite offers a complete solution for designing, shaping and monitoring the definition of Industrial Equipment Products

TRANSPORT & MOBILITY ENGINEERING

Transportation & Mobility Engineering suite offers a complete solution for designing, shaping and managing the integration of chassis and powertrains into the automotive product lifecycle

HIGH TECH ENGINEERING

CATIA Engineering for High tech offers complete and comprehensive solution for designing high tech product from plastic parts to circuit boards and sheet metal parts.

KNOWLEDGE ENGINEERING

A complete and sophisticated set of applications built for creating, applying and deploying knowledge management rules within your product design and innovation process.

SHEETMETAL DESIGN ENGINEERING

Sheet metal engineering is a process tailored solution allowing the user to achieve fast, efficient and quality design of sheet metal parts in order to speed up assembly design. Design right the first time in the context of the virtual product, and get early visibility into manufacturability constraints

FASTENER DESIGN ENGINEERING

Fastener engineering simplifies the design and management of complex fastened assemblies. It allows the user to design from simple to sophisticated fasteners - easily and with scalability, while analysing design impact by navigating among fasteners and fastened parts.

PLASTIC PART & MOLD DESIGN ENGINEERING

High consumer expectations, strong global competition, and tough economic conditions raise the pressure on the manufacturing industry and particularly on tool making. More than ever, toolmakers need to deliver fast, to be in control of costs, and to achieve uncompromising quality in order to develop a real competitive edge.

ELECTRICAL SYSTEMS

Electrical systems design for all products and industries, from aircraft to cars, white goods, ships and process plant, continues to be a challenge. Their associated wire harnesses, cable systems and electrical components continues to increase in quantity and complexity. Dassault Systèmes' provides a comprehensive, powerful and open solution for the 2D & 3D design and manufacture of electrical wire harnesses, cable systems and rigid-flexible printed circuit boards.

FLUID SYSTEMS

From aerospace applications through to process and power plant design, the 2D & 3D definition of fluid systems is driven by multiple standards and specifications that fully define the system classification and usage context. The Dassault Systèmes fluid systems design solution provides a powerful specification driven design environment that integrates your company know-how into the detailed design process.

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