EQUIPMENT

CATIA PLM Express
CATIA - Waveguide Schematic to Design

Enables System engineer and designer to cover the global process engineering.

Overview

CATIA - Waveguide Schematic to Design enables the user to design and manage logical lines of Waveguide systems using standards and specifications according to industry usage. It enables the creation of component catalogs with multi-representation, attributes and design rules. The system engineer creates intelligent schematics of the waveguide diagrams.

Fully integrated, the designer builds the 3D design directly from 2D diagrams (2D/3D driven). These intelligent diagram and 3D design capabilities enable users to create and validate their designs with respect to company know-how.
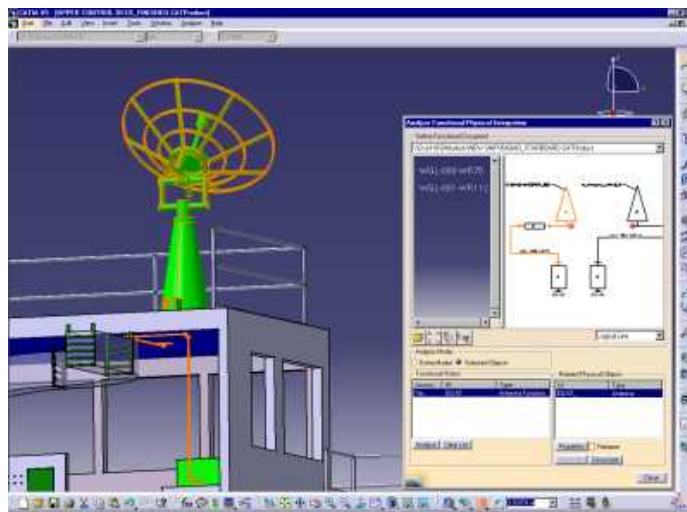
This product covers project engineering from basic design up to detailed design.

Benefits

- Improves product performance and quality thanks to standards and material specifications taking design rules into account
- Full associativity between 2D schematics and 3D waveguide design
- Improve design time with an intuitive user interface to annotate, validate the model, query data and generate appropriate report information
- Full integration between mechanical and equipment and system products
- Organizes catalogs customization with full parametric components alongside technological attributes such as frequency

3DS CATIA

Capabilities

- Creates catalogs of 2D and 3D parametric components according to standards and material specifications
- Defines and manages waveguide lines for different engineering systems
- Creates intelligent schematics with respect to standards and specifications such as text annotation templates, off-sheets connector and automatic gaps
- Designs the 3D preliminary waveguide layout routes with design rules checking (minimun length and turn and connectors rules)
- Adds spec-driven 3D piping components to detail the design
- Allows associative 3D creation directly driven by the 2D schematic diagrams
- Provides BOM reports, query and analysis

Visit us at **www.3ds.com/my-catia-plm-express**

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About Dassault Systèmes
As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 90,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes develops and markets PLM application software and services that support industrial processes and provide a 3D vision of the entire lifecycle of products from conception to maintenance. The Dassault Systèmes portfolio consists of CATIA for designing the virtual product - SolidWorks for 3D mechanical design - DELMIA for virtual production - SIMULIA for virtual testing and ENOVIA for global collaborative lifecycle management, including ENOVIA VPLM, ENOVIA MatrixOne and ENOVIA SmarTeam. Dassault Systèmes is listed on the Nasdaq (DASTY) and Euronext Paris (#13065, DSY.PA) stock exchanges. For more information, visit http://www.3ds.com

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