EQUIPMENT

CATIA PLM Express
CATIA - Electrical Wire Harness Design

Unique design of large scale electrical systems within the virtual product
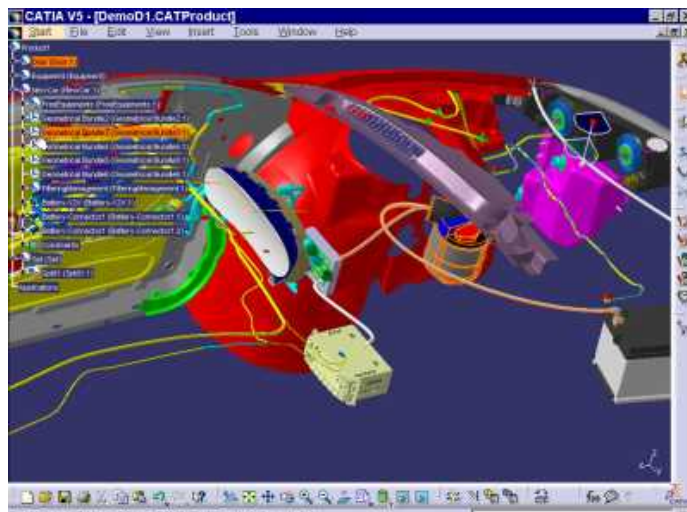
Overview

CATIA - Electrical Wire Harness Design delivers a process oriented solution for designing physical wire harnesses driven by logical specification and integrated with harness manufacturing. By delivering a realistic simulation for 3D wire harness packaging in an integrated environment, this powerful solution reduces design time and increases the overall quality of large scale electrical systems.

Benefits

- Reduce design time with a process oriented solution
- Increase overall quality of complex electrical wire harness assemblies with powerful & dedicated applications for large scale electrical system implementations and knowledge based design verification
- Seamless collaboration for anticipated manufacturing preparation: capture design intent and detailed wire harness model directly in the DMU
- Anticipate engineering changes by validating the wire harness installation within the virtual product: make sure integration problems are found in the DMU and not in the physical prototype

CATIA

Capabilities

- Detailed definition of wire harness within the DMU according to the functional or wiring specifications : 3D wire harness takes into account logical specifications and manufacturing constraints
- Easy to use & powerful routing of harness in complex 3D mockup, with relational design between mechanical assembly and the harness
- Capture and reuse corporate know-how step by step to ensure validation at each phase of the process
- Dedicated objects such as electrical devices (equipment, connectors, back shells, contact), protection (taping, corrugated tubes), support and mounting objects (rack, panel), wires and cables

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

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