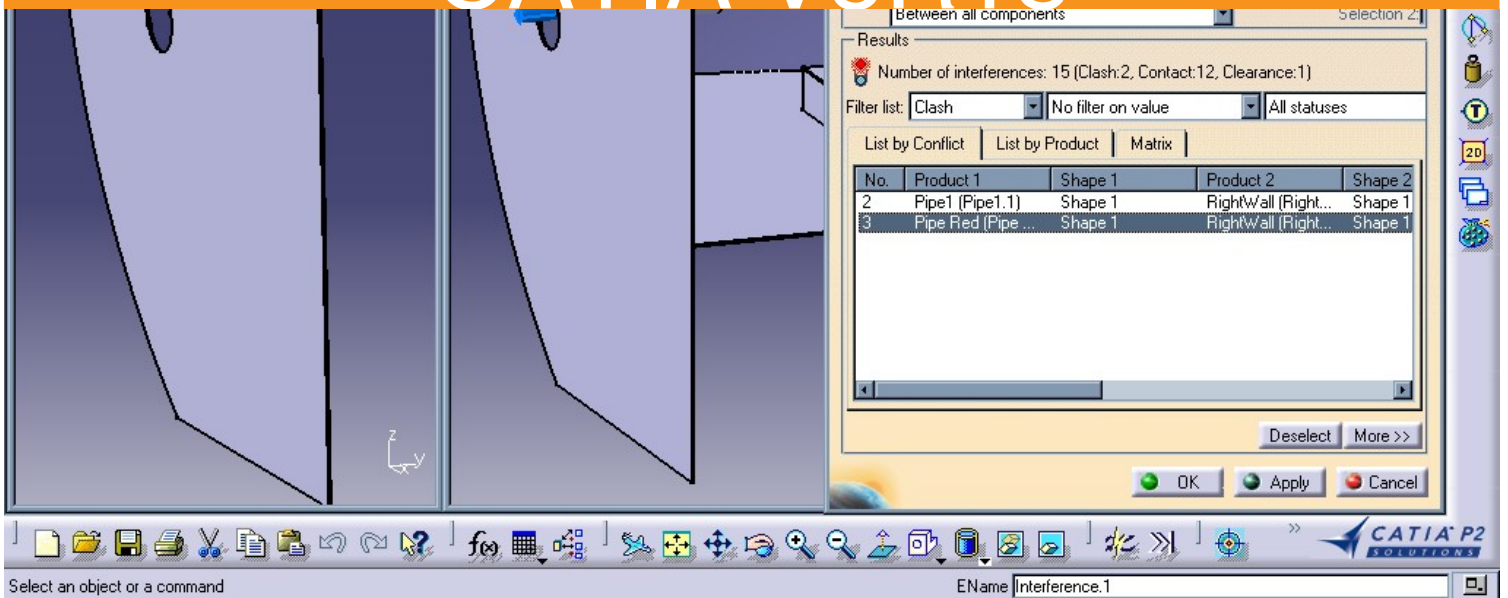


Product Synthesis

CATIA - DMU Space Engineering Assistant 2 (SPE)

CATIA V5R18





Product Synthesis

CATIA - DMU Space Engineering Assistant

Shorten design cycle times and respect rules that ensure corporate design consistency through the pro-active checking of the impact of design modifications in a concurrent environment.

Product overview

DMU Space Engineering Assistant 2 (SPE) shortens design cycle time by giving designers the ability to check for interference impacts of their design modifications as they are working. Knowledgeware rules pilot interference analysis to ensure best practices compliance at the company level. Interference analysis results are stored in ENOVIA V5 LCA.

DMU Space Engineering Assistant 2 (SPE) fits the needs of designers working in a collaborative environment, in industries dealing with large assemblies such as shipbuilding, automotive, and aerospace.

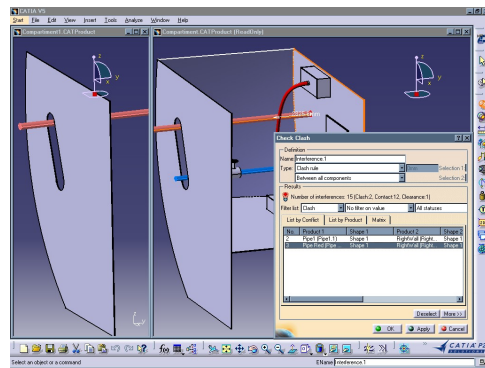
Product Highlights

- ▣ Performs interference analysis in concurrent design environment.
- ▣ Stores the interference analysis results for reuse.

Product Key Customers Benefits

Perform interference analysis...

While working, a user can perform interference analysis according to predefined clash rules between in-session, multi-represented component(s) and components stored in ENOVIA V5 LCA. In-session clash components are also computed to provide the designer with an



immediate assessment of the impact of a design modification and to ensure a consistent design environment.

Clash computations are piloted by knowledgeware rules that allow the specification of computation type, components type and representation type. Thus, clash analysis takes into account best practices and provides more accurate and relevant results.

Interference analysis computation is done on a dedicated server. Thus, performance and user productivity are improved and design cycle time in concurrent environment is shortened.

Using CATIA - Space Engineering Assistant 2 (SPE) early in the product development cycle allows company to identify quickly the design errors: the costs to fix these errors are then dramatically reduced (around 10).

Persistent storage of the interference analysis results...

A user can browse the interference analysis results and flag irrelevant conflicts. The user can also comment conflicts and filter them. The components interfering with the in-session, multi-represented components can be loaded from ENOVIA V5 LCA whatever the configuration they belong to along with the relevant interference analysis results.

When storing the in-session component, the interference analysis results are stored automatically.

ABOUT CATIA V5R18

CATIA is Dassault Systemes' PLM solution for digital product definition and simulation.

plm.3ds.com/CATIA

