OPTIMIZE & REVIEW

CATIA PLM Express

CATIA - Knowledge Expert & Engineering Optimization

Accelerates design alternatives exploration and optimization for better design in less time

Overview

CATIA - Knowledge Expert provides a powerful interactive environment to create and manage validation rules in order to ensure that product designs conform to industry, customer or company standards.

Engineering Optimization provides an interactive environment for modeling and solving complex engineering problems.
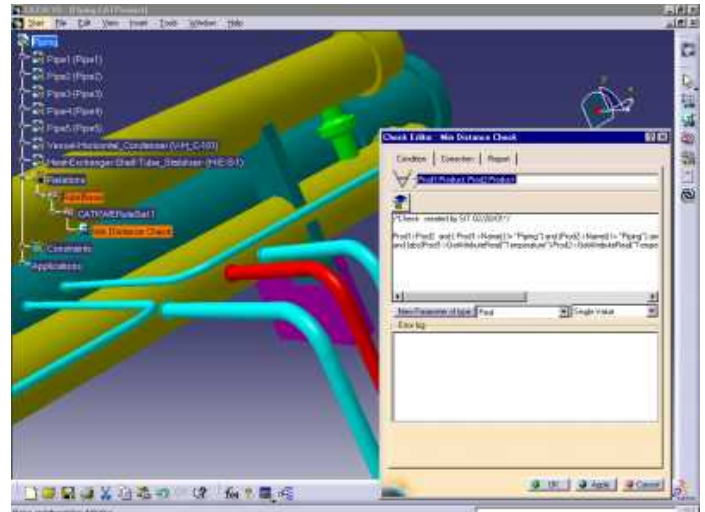
Benefits

● Product Engineering Optimizer:
- Quickly investigates and finds options of the most robust designs for product lifecycle quality
- Lowers costs by using extensive virtual prototype testing

● CATIA - Knowledge Expert:
- Eliminates inaccurate designs by automating compliance with defined standards
- Eliminates costly and time consuming corrections downstream
- By helping to adhere to company standards, data exchange is easier and inter-process collaboration is facilitated

3S

CATIA

Capabilities

- Product Engineering Optimizer:
- Geometry-based optimizations
- Finite element-based optimizations
- "Design of Experiments" techniques to provide useful information about the product's behavior in order to help solve compromises
- Captures of optimizations within the model's feature tree to launch the optimization again after any design changes
- Constraints satisfaction problem solving

- Knowledge Expert:
- Checks engineering rules
- Checks Manufacturing rules
- Checks Electrical rules
- Checks Drawing rules
- HTML or customizable XML reporting
- Automatic correction functions
- An infrastructure for merging corporate standards and partner solutions (Q-Checker and iCHECK)

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

Dassault Systèmes (Head Office)
9, quai Marcel Dassault - BP 310
92156 Suresnes Cedex - FRANCE
Tel: 33 (0)1 40 99 40 99

Dassault Systèmes of America
6320 Canoga Avenue
Trillium East Tower
Woodland Hills,
CA 91367-2526 - USA
Tel : 1 818 999 2500

Dassault Systèmes
Pier City Shibaura Bldg 10F
3-18-1 Kaigan, Minato-Ku
Tokyo 108-0022 - JAPAN
Tel : 81 3 5442 4011

PT_F_986H8_EN_200610

www.3ds.com

DASSAULT SYSTEMES

MAIS INFORMAÇÕES:
Para obter mais informações sobre produtos e soluções PLM, acesse: www.tecmes.com.br
Avenida Jabaquara, 2940 – 2 º andar
Planalto Paulista - São Paulo – SP - CEP 04046-500
Telefones +55 11 2197-1000 / Fax: +55 11 2197-1007

TECMES