

# **CATIA PLM Express CATIA - Structure Concept to Design**

Provides a unique end-to-end solution for "virtual structure" design

## **Overview**

CATIA - Structure Concept to Design streamlines processes ranging from functional definition to manufacturing preparation. This offering provides a unique answer to physical design challenges in Shipbuilding and in the Architecture & Construction industries.

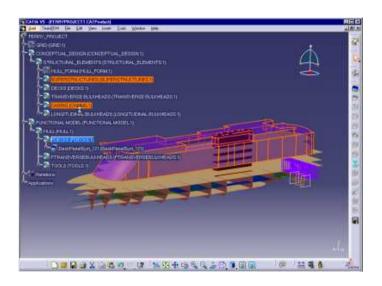
## **Benefits**

- Easy definition of structural design elements and materials used to build military and commercial ships as well as plants
- Improve instantiation of functional volumes and integrate the creation of planning breaks at an early stage of the design
- Enable unprecedented productivity and a short learning curve for shipbuilding structure definition and for the creation of functional structure objects
- Enhance the creation and modification of detailed structures
- Prepare the manufacturing build-up process with dedicated features that resolve the design intent



# **Capabilities**

- Rapid modeling tools for the creation of functional structure objects (such as plates, beams, and pillars...) and detailed features (slots, end-cuts, ...)
- Knowledge-based design rules to drive and automate design work
- Capture full topology of the structural model (all connections and their characters)
- Enable the automatic generation of blocks and design units based on planning break definitions
- Automate detailed work (slot or end-cut definition)
- Deliver piece-part generation for the preparation manufacturing at the end of the design phase
- Early and accurate reports



#### 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: 1818 999 2500

#### **Dassault Systèmes**

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

#### 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

CATIA, DELMIA, ENOVIA, SIMULIA and SolidWorks are registered trademarks of Dassault Systèmes or its subsidiaries in the US and/or other countries. Copyright Dassault Systèmes 2002, 2006. All rights reserved. IGRIP®, QUEST®, IGRIP®, ULTRAARC®, ULTRAAPAINT®, ULTRASPOT®, VIRTUAL NC® are registered in the US Patent and Trade Mark Office by DELMIA Corp. INSPECTTM is owned by DELMIA Corp. Picture courtesy of Meyer/Werft.





PT\_F\_4VE4H\_EN\_200610