



CATIA PLM Express

CATIA - Human Builder & Simulation

Optimize product design for perfect human-product interaction

The human being is one of the most non-standard and unpredictable components of any system. Human capability is a major (limiting) parameter of design, then in many application areas there is a strong requirement to model the physical elements of the human alongside product designs.

Overview

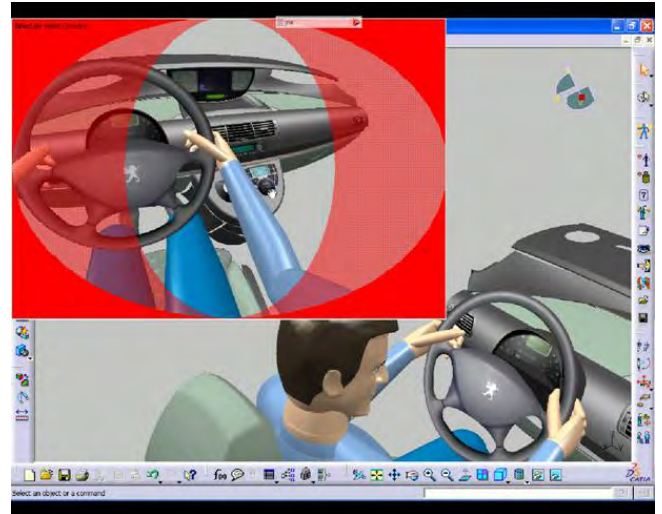
CATIA - Human Builder and Simulation enables to directly create, manipulate and simulate accurate digital manikin's interactions in context with the virtual product. It is the only solution enabling to assess and optimize human posture, vision and comfort directly in the product design environment, leading to fast decision making and design changes. Accurate human modeling, postures and comfort information capitalization makes company's know how on ergonomics available to all designers.

Customer Benefits

- Reduce design timeframe by Introducing ergonomics earlier in the design process
- Remove the need for costly physical prototypes and real human simulations
- Improve product quality & conformance to company standards
- Capitalize on existing company know-how through the use of V5 HUMAN catalogs (company's know-how on ergonomics)
- Validate product assembly in an efficient and cost-effective manner using a highly intuitive solution (workstation, tools, sequence, etc)

Key Capabilities

- Manikin creation based on varied population and anthropometry data
- Manikin posture definition
- Vision analysis
- Video creation tool for sharing critical human simulation data with the extended enterprise



Screen capture of CATIA - Human Builder & Simulation

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

About Dassault Systèmes

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®, ULTRAPAINT®, ULTRASPOT®, VIRTUAL NC® are registered in the US Patent and Trade Mark Office by DELMIA Corp. INSPECTTM is owned by DELMIA Corp. Pictures courtesy of PSA Peugeot Citroen

