

### • Environmental Compliance

Environmental legislation increasingly requires manufacturers to collect and report data on materials used in new products, in view of avoiding hazardous substances and encouraging manufacturer-responsibility at end-of-life. Customers use DS solutions to comply with various EU environmental directives.

*ENOVIA MatrixOne Materials Compliance Central allows companies to easily collect, organize and report part-level materials and substance composition data, assuring compliance to regulatory standards.*

### • Energy Efficiency

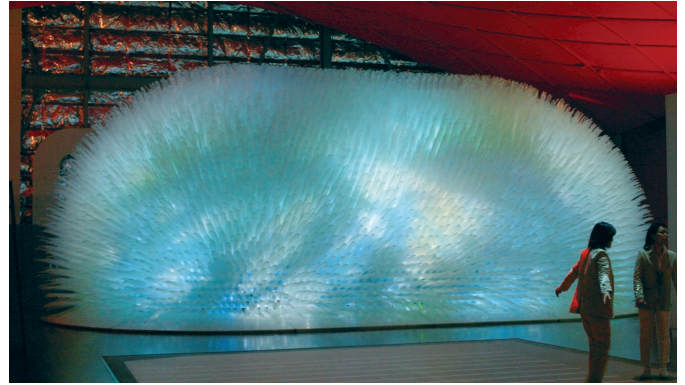
Manufacturers in a wide range of industries are seeking to make products that consume less energy, due to rising fuel costs and concerns over climate change. DS solutions help clients meet these challenges in innovative ways.

*The Honda Insight hybrid has used ABAQUS/SIMULIA as a key enabler leading to the development of the car's continuously variable transmission.*

### • Ergonomics and Safety

Ergonomics and safety have become an integral part of product development and manufacturing. In order to help clients manage such challenges, DS solutions are conceived to allow a designer to understand and optimize, throughout the product's lifecycle, the relationship between people, products and industrial processes.

*Automotive makers are continually trying to improve upon their car designs to meet and exceed today's safety standards. Many industry leaders rely on ABAQUS/SIMULIA to help improve their virtual prototypes.*



DS presence at AICHI Expo 2005, the Universal Exposition that took place in Japan, highlighted the power of the company's 3D software solutions for creating innovative products that help build a better environment for the future.

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### About Dassault Systèmes

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, the Dassault Systèmes group 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.

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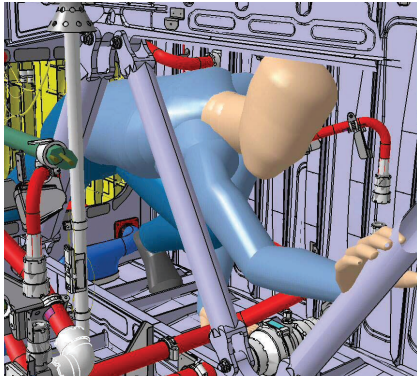


# ECO DESIGN

## Through Product Lifecycle Management (PLM)

### New Challenges for Industry: Environmental & Safety Criteria

- **Optimizing use of raw materials**
- **Environmental Compliance**
  - Tracking Materials used
  - Anticipating end-of-life treatment
- **Energy Efficiency**
- **Ergonomics and Safety**



DELMIA's virtual manikins enable companies to optimize ergonomics and safety during maintenance.

### Dassault Systèmes Solutions for Greener and Safer Products

Dassault Systèmes (DS) PLM solutions - powered by 3D - offer realistic visualization and simulation of the product's lifecycle. 80% of the product's environmental impacts being determined during the design phase, capacity to anticipate is essential. By using 100% digital prototypes, it is possible to test options and identify the solution that optimizes the product's environmental, technical and economic criteria early on in the design phase, getting it right the first time.

#### • Optimizing use of raw materials

The amount of raw materials used in a given product is a major factor for determining the product's environmental impact. Rising commodity prices, environmental legislation and the need to continuously reduce costs are leading companies to search for ways in which to optimize raw material use.

*Through CATIA knowledge-based optimization it is possible to minimize the mass of i.e. metal components while maximizing structural resistance.*



*See what you mean*