

... T ... Systems

A solution for DaimlerChrysler:
Implementation of SMARAGD – a new PDM system.



SMARAGD – a powerful system for effective management of product data.

With a new global Product Data Management (PDM) system from T-Systems, DaimlerChrysler can share information around the globe.

The customer. DaimlerChrysler, employing some 420,000 people, is one of the world's leading vehicle manufacturers. In 2000, the group produced over a million Mercedes-Benz cars, more than 100,000 Smart cars and over 500,000 Mercedes-Benz commercial vehicles. DaimlerChrysler is currently developing an unprecedented variety of new models.

DAIMLERCHRYSLER

The challenge. The main challenge was to introduce a distributed product data management system to enable collaboration between project teams all over the world. Other important tasks included support and training during the implementation and go-live phases. A large T-Systems team with proven expertise in the product data management field worked on the project in close cooperation with the customer. T-Systems' decisive advantage over its competitors was its understanding of the processes and systems at DaimlerChrysler, as well as its familiarity with the Metaphase software.

System requirements. SMARAGD replaces GIS, DaimlerChrysler's central, mainframe-based Geometry Information System. It is a distributed product data management system based on an object-oriented client/server architecture. The system is the central point of access and administration for all product data and other information relating to production processes for passenger and commercial vehicles. It forms the basis for seamless exchange of information between teams all over the globe.

The T-Systems solution. Combining all available resources and sharing knowledge across national boundaries are the key to the success of today's global players. To enable multinational DaimlerChrysler teams to collaborate closely, T-Systems is linking 20 sites and 5,300 engineers with SMARAGD, a new PDM system. The solution, specially tailored to the automotive giant's needs, is a central hub for product data that boosts productivity and promotes effective teamwork within the company. As

prime contractor, T-Systems ensures rapid integration of the new solution throughout the organization. Training courses, user support and hotline services guarantee smooth roll-out. The solution provider will also manage the system once it is up and running.

In addition to a powerful information sharing concept that enables geographically dispersed teams to collaborate, the system supports various views of product data, e.g. according to function, interfaces with other components, and work task. This approach specifically gives users the information they need without overloading them. Seamless integration with bills-of-materials makes it possible to configure a vehicle in detail, and to generate a digital mock-up.

Integration of the system into the workflows of development partners is well advanced. An important feature is the interface between CATIA and Metaphase systems.

Customer benefits. Three-dimensional models of all new ranges of passenger and commercial vehicle can now be accessed from anywhere in the world. Lengthy search and load times are a thing of the past. The system also features well-defined design approval procedures and effective support for communication with development partners. This shortens lead times considerably and relieves designers of time-consuming administrative tasks. SMARAGD plays an important role in improving efficiency and overcoming the complexity and diversity of product design in an increasingly demanding market.

At a glance:

- Accelerated development cycles
- Global collaboration
- Access to 3D data for all components
- Life cycle and digital mock-up capabilities and an interface to CAD systems
- Browser-based access and information sharing with development partners
- Support and training during the implementation phase
- Ongoing service and support around the world

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