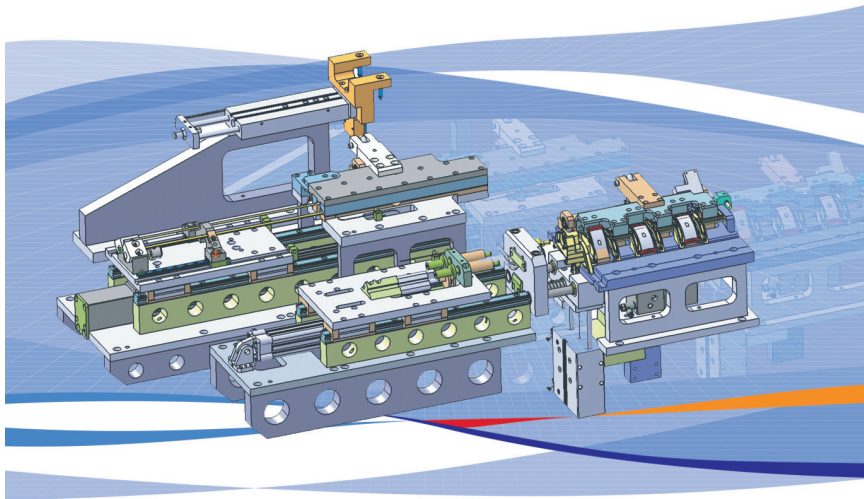


Payr Engineering GmbH manages business growth with CATIA V5 and ENOVIA SmarTeam



“With ENOVIA SmarTeam, we found a way to work on the same PDM platform autonomous of the 3D system.”

Peter-Paul Payr, Owner,
Payr Engineering GmbH

Overview

■ **The Challenge**

Payr Engineering GmbH needed a data management solution to support growth, efficiency and industry specialisation

■ **The Solution**

The company chose CATIA V5 for part design and ENOVIA SmarTeam and TeamPDM to unite CAD applications on a single platform

■ **The Benefit**

Native CATIA V5 data supports new market infiltration, while the collaborative platform reduces data management time by 20 percent.

Founded in 1998, Payr Engineering GmbH is a company of 13 employees providing basic and detailed engineering designs for the automotive, aerospace and manufacturing industries. A client will outsource its product design phase processes to Payr Engineering who will then work with that client to establish a definitive project concept. In 2005, Payr Engineering's construction (design) revenue reached €730,000.

The company uses several different computer aided design (CAD) software packages to work with client supplied data, deliver final designs

and calculate bills of material (BOMs). Its goal is to specialise in complex projects for the automotive and aerospace industries, both of which rely heavily on CATIA software.

Data management issues

Payr Engineering manages drawings, three-dimensional models, calculations, spreadsheets and images for each project. However, data management is a complex task, particularly as not all clients use the same CAD programs.

When Payr Engineering began to experience significant business growth, the problem of data management was magnified. The company's software investment would need to accommodate this growth, while facilitating more efficient data management to support infiltration of the automotive and aerospace industries.

Supplementing their existing multi-CAD systems would fulfil the first requirement. However, none of these systems had the integrated product data management (PDM) functionality needed for, nor the presence in, Payr Engineering's targeted industries.

CAD and CATIA V5: the preferred solution

The company made a strategic decision to invest in CATIA V5 software – part of the IBM Product Lifecycle Management (PLM) offering and developed by Dassault Systèmes – to complement its existing CAD systems.

“ENOVIA SmarTeam in combination with CATIA V5 has helped reduce data management time by 20 percent.”

Peter-Paul Payr, Owner,
Payr Engineering GmbH

CATIA V5 Mechanical Design and Shape Design & Styling modules enables the company's engineers to design parts in the automotive and aerospace industries' preferred format. An ENOVIA SmarTeam and TeamPDM solution combined CATIA V5 and other CAD applications on a single collaborative platform.

The result is a system that can support several different CAD systems efficiently and flexibly, and integrate its design processes with those of its clients.

New market opportunities

The solution enables Payr Engineering to offer native CATIA V5 data to its clients, thereby increasing opportunities in the automotive and aerospace markets. The company is now in a position to win projects that it had previously been unable to bid for. A recent contract win from an Airbus supplier marks the company's first successful steps towards market infiltration.

For more information

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