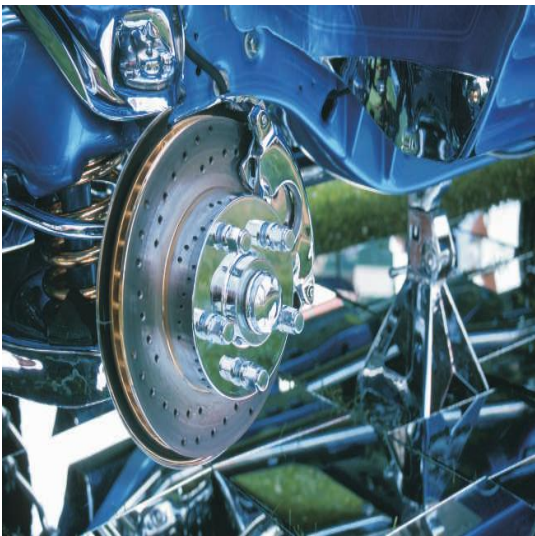


Case Study

eMatrix PLM Upgrade, Enhancement and Support for Leading Auto Component Manufacturer

Business Challenge

A leading auto component manufacturer recently struggled with eMatrix, its product lifecycle management software. The software was robust, and in most cases, performed well. However, various business units used several different releases, which led to inefficiencies. Specifically, there was no integration among PLM, ERP, MCAD, ECAD and Marking applications. Moreover, the company lacked a standard data migration tool; numerous approaches were used throughout the enterprise, leading to confusion, unnecessary rework and preventable expenses. These factors contributed to an inability to leverage technology advancements.



Additionally, over time, complexity had crept into the organization. The company featured 68 research and development centers in 29 countries, across five continents. It had eight business units and 131 manufacturing sites. Its information technology systems were also complex. It featured MCAD (CATIA V4 and V5), Open DXM, Q-Checker; ECAD (Cadence); and ERP (SAP), and these were used by more than 6,800 people globally. The organization also processed more than 3,50,000 parts each year, and produced another 70,000.

Mahindra Satyam Solution

To instill more efficiency, Mahindra Satyam upgraded eMatrix Engineering Central from v10.0.5 to v10.0.6 and brought all business units to same release and version. Mahindra Satyam then designed and implemented a “convergence” solution to establish a common, baseline eMatrix version for all eight business units, which was easily configurable by branch administrators. The solution featured an automatic upgrade to newer versions of the core application, as well as integration solutions for Q-Checker, CoWaSys, Open DXM and SAP BW. Further, Mahindra Satyam established an offshore helpdesk covering all PLM applications providing technical, functional and administrative support. The team also customized Spinner for data migration.

Case Study

Business Benefits

As a result of the program, the auto components manufacturer enhanced design quality via Q-Checker, which resulted in an increased design acceptance rate from OEMs. At the same time, the team increased PLM user adoption by 12 percent. This streamlined and optimized PLM processes, which, in turn, increased uniformity and standardization while lowering costs and reining in maverick behavior. The part document count also increased by 16 percent. Furthermore, the team reduced the number of application versions, and lowered application maintenance costs by 25 percent.

Product Lifecycle Management Practice

Mahindra Satyam's Product Lifecycle Management Practice helps customers bring their products and services to market more quickly. The team manages clients' product portfolios by capturing customer requirements and integrating product design with product launch to predict demand and performance and simulate supply and manufacturing capacity. Mahindra Satyam's PLM consultants provide comprehensive, end-to-end services via a proven onsite-offshore delivery model that helps customers realize business continuity around the clock and throughout the year.

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