

Agile PLM implementation for global consumer electronics and media company

How Mahindra Satyam was at the forefront of a full-scale PLM Implementation for a leading company known for its innovation

Business Challenge

The customer, a world's leading innovative company known for its cutting-edge computers, mobile phones and media services, was battling to replace its home

grown PLM application. The legacy PLM application was unable to withstand the volumes and complexity of engineering data and resulted in a bottleneck for growth.

The company was facing multiple challenges such as:

- Legacy PLM application was not secure and scalable
- Master data in multiple systems resulting in data redundancy
- Significant manual data entry due to complex integrations with other systems
- Reduced productivity of design engineers due to lack of features for collaboration
- Lack of streamlined Engineering Change Management process
- Poor search and reuse of part data

Mahindra Satyam Solution

Agile PLM was the preferred choice in replacing the legacy PLM application for customer. Mahindra Satyam was at the forefront in guiding this large-scale project with several cross-functional teams. Business and functional requirements were articulated and analyzed in various workshops. Based on Agile Implementation expertise, Mahindra Satyam designed, developed and deployed Agile along with various customizations necessary to implement the business process. Our team's responsibility covered Development (including Configuration, Customization and Integration), Architecture and QA.

Development

- Configuration of Agile 9.2.2.3 (Product Collaboration module) based on business requirements.
- Design & Development of all customizations required for streamlining the business process and addressing the customer's requirements.
- Design & Development of a 'Common Handler' system to address all the integration requirements of Agile with upstream and downstream systems such as CAD & ERP Architecture
- Installation & Maintenance of multiple environments - Golden Configuration, System Test, Performance Test, Development, UAT, etc.
- Installation & Maintenance of clustered production environment including failover systems and load balancers.
- Constant support to other teams (Development, QA and Super Users) to ensure maximum uptime of PLM environments.



QA

- Preparation of Test Strategy. Identification and documentation of appropriate scenarios for Test Cases.
- System and Integration Testing.
- Performance Testing of all customizations and integrations.
- Development of Automated Testing Scripts for faster testing and reuse during Regression Testing. Development of scripts to create test data for performance testing.

Benefits

- Single source of master data for all upstream and downstream systems
- Streamlined Engineering Change Management
- Ability scale the system to support business growth
- Improved design collaboration and component re-use
- Improved Compliance Management

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.

For further information, please write to rfi@mahindrasatyam.com