

PRODUCT LIFECYCLE MANAGEMENT SYSTEM

Optimizing the Product Lifecycle
Management Process

Mastery in
Software
Engineering

FORTECH.





Key Facts

-  Industry: Automotive
-  Team Size: 50+ People
-  Duration: 9+ Years (ongoing)
-  Technologies:
 - Cobol,
 - Java EE & SE,
 - Eclipse RCP,
 - Objective-C,
 - HTML,
 - XML/XSLT/XSD
-  Services:
 - Project Management,
 - Software Development,
 - Software Testing
-  Trends: Smart Manufacturing

Highlights

- PLM (Product Lifecycle Management) tool for documenting the product management process data over its complete life cycle.
- From a technical viewpoint, it combines modern technologies with legacy systems.
- Fortech provides full stack application development and maintenance, with a team of over 50 software engineers.



Solution

The PLM software system is used in the commercial car industry as a tool for documenting data on the product management process, over its complete lifecycle, from development and production to sales and after sales.

It comprises a central system, which contains all the product documentation information used throughout the supply chain, and the plant systems used to manage the data necessary for the production process.

For each model series (i.e. vehicle series, aggregates series), the documentation consists of a product overview, product structure and the reliable data on the parts to be built.

From a technical standpoint, it represents a complex infrastructure with three major components - host, server and client sides - leveraging a combination of technologies aimed at maintaining legacy systems and at the same time addressing requirements for modernization.

Collaboration

When deciding to contract a nearshore partner, the client was already implementing the project with internal teams. The need was to complement the existing teams with nearshore teams and to extend the project on a long term.

Fortech's proven technical expertise on other projects with the same client was essential in the choice of an external software development supplier.

Increasing gradually, the team at Fortech now comprises of over 50 members organized into 4 sub-teams, each being responsible for an application developed within the project. Each sub-team is created as a distributed team, with several members at the client's site as well as nearshore, at Fortech.

Regular meeting and on-site visits are established to facilitate collaboration between team members on both sides.

Client Benefits



IMPROVED DECISION-MAKING:

The system provides plant operations with an overview of the entire product documentation, enabling smart decisions.



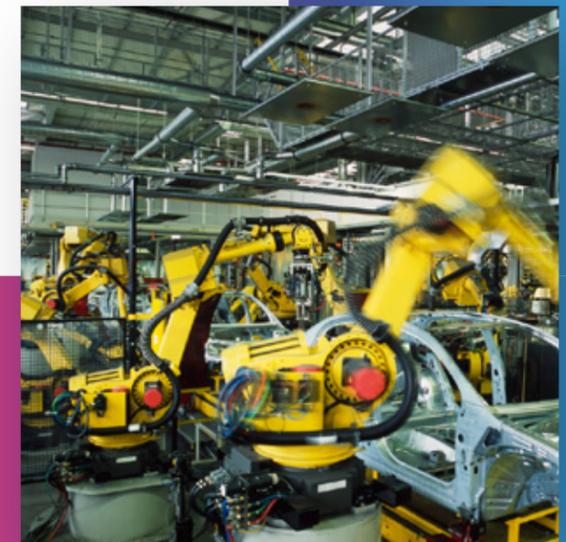
MODERNIZATION:

A phased approach to application modernization and legacy system maintenance. Migration processes in place.



LONG-TERM ENGAGEMENT:

Reliable long-term partnership in a project ongoing for more than 9 years. Capabilities built and added as needed.





ABOUT FORTECH

Fortech is a Romanian software development company headquartered in Cluj-Napoca. Employing more than 700 software engineers and growing, Fortech is one of the largest software outsourcing providers in the region, recognized by Deloitte and EY as one of the fastest growing technology companies in Central and Eastern Europe.

Fortech provides full stack custom software development and software testing services, with focus on solutions for Automotive, Healthcare, eCommerce and the Internet of Things. Since 2003, two hundred clients chose Fortech as their software engineering partner, among which T-Systems, Swisscom, Symantec, Pfizer and Renault.

For more information, visit www.fortech.ro.

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