



PRODUCT LIFECYCLE MANAGEMENT SYSTEM

Optimizing the Product Lifecycle
Management Process

Mastery in
Software
Engineering



Key Facts

-  Industry: Automotive
-  Team Size: 50+ People
-  Duration: 11+ 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.



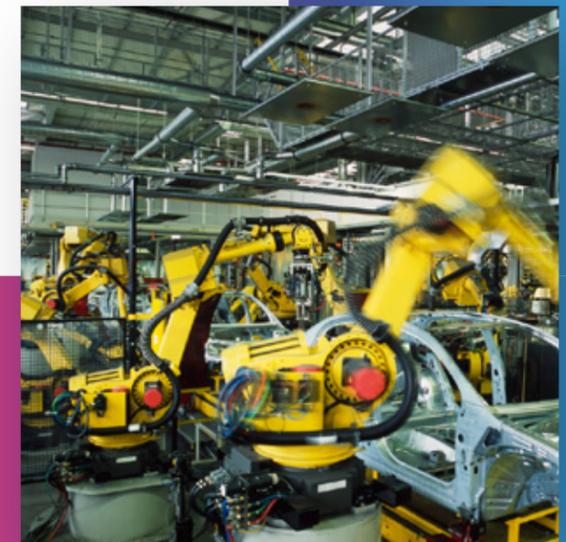
MODERNIZATION:

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



LONG-TERM ENGAGEMENT:

Reliable long-term partnership in a mission critical project. Capabilities built and added as needed.





ABOUT FORTECH

Fortech is a top Romanian software development company headquartered in Cluj-Napoca. With a workforce of 1150+ people, Fortech has been repeatedly recognized by Deloitte, IAOP®, EY, and Forbes for its fast-growing, entrepreneurial journey.

With expertise and a strategic focus across healthcare, financial services, automotive sectors, and more, we cover the end-to-end software lifecycle development to deliver the innovation, scalability, quality and speed our clients need.

Our approach to software engineering combines strong technology and process know-how, Agile delivery methods, and a blend of code quality practices and metrics refined in almost two decades. Since 2003, over two hundred fifty clients chose Fortech as their tech partner.

Access our expertise: www.fortech.ro.

Copyright 2023 © Fortech. All rights reserved.

This document is the property of and contains information proprietary to Fortech. No part of this document may be reproduced, transmitted, stored in a retrieval system or translated into any human language or computer format, in any form or by any means, without the written permission of Fortech.