

Digital Engineering Process for New Product Development.

Built out digital engineering processes to support their safety regulations and new product development process.

Results & Metrics

67%

Cost reduction of senior employee overtime due to the new digital processes

Landscape

Industry: Manufacturing/Automotive

Tools: Full Stack Development, Web Development, MicroServices, SQL/NoSQL, DevOps

Project

We worked with a global automaker to build out digital engineering processes to support their safety regulations and new product development process.

Goal

Develop a custom "Turbo Tax" like approach to new product development and safety documentation that can easily guide an engineer to make changes on the fly without learning a new process or advanced understanding of the regulations.

Problem

The customer must maintain government reporting regulations on the safety and testing process of every part of every vehicle produced and designed. In addition, new product development timelines and requirements are constantly evolving and the pace of development is rapidly speeding up, which requires improved documentation and project management.

Approach

LHP architected and designed a solution to allow an easy-to-use internal website to control safety documentation, integrate with their existing application lifecycle management (ALM), and provide timelines and product roadmap tracking improvements.