



SUCCESS STORY: LHP AIDS IN A SUCCESSFUL NEW PRODUCT LAUNCH FOR TIER-1 SUPPLIER

CASE STUDY



CHALLENGE

The Tier-1 supplier was selected by a major OEM for their excellent history of developing and manufacturing powertrains. This was the first project for the supplier that required adoption of the newest functional safety standard, ISO 26262. In order to ensure the appropriate project scope and accurate delivery schedules, the supplier approached LHP for implementation support of functional safety requirements.

SOLUTION

LHP deployed a team of functional safety experts to the supplier site to engage in a fact-finding workshop. Due to the supplier's previous attempt of ISO 26262 compliance with a different implementor, LHP recognized the importance of building trust and partnership before engaging in a full functional safety-implementation project. During the workshop, the LHP Functional Safety team began with documentation and traceability mapping, which quickly turned into a full requirement-gathering workshop. From the workshop, the functional safety experts were able to create a step-by-step breakdown of what was required to move forward. From there, the team was able to create a roadmap and ultimately provided the supplier with a complete project plan for product delivery.

RESULT

With the project plan, the Customer was able to move forward with confidence, and develop the software required for a new product launch. Without the help of LHP and a fully-integrated GAP analysis and ISO 26262 implementation plan, the supplier would have risked losing the OEM as a customer due to future regulation requirements.

PROJECT WINS

LHP successfully helped the supplier implement ISO 26262 and functional safety requirements. The relationship grew beyond the initial project and expanded into additional phases to which the supplier views LHP as the functional safety partner.

ABOUT THE PROJECT

Industry

- Automotive

Customer

- Tier-1 supplier and global leader in design, engineering, and manufacturing of driveline and powertrain technologies

Tools/Technologies/Skills

- ISO 26262:2018
- INCOSE
- Simulink
- C Programming
- Requirements best practices

Goals of the Project

- Helping a Tier-1 supplier produce a roadmap to meet functional safety guidelines in order to successfully deliver an ISO 26262-compliant product to their end customer. LHP had a relatively small window of time to complete the roadmap and meet functional safety guidelines.

Project Duration

- 4 Weeks