The background of the slide features a photograph of two individuals, a man and a woman, working together at a desk. They are looking at a large computer monitor. The scene is overlaid with a semi-transparent blue filter and a complex network of glowing white lines and dots, suggesting a digital or engineering environment. In the top left corner, there is a small orange square icon. The main title is written in large, bold, white and light blue capital letters. Below the title, the words 'CASE STUDY' are written in smaller white capital letters. In the bottom left corner, the 'Lhp' logo is displayed in white.

USE CASE: HOW THE DEPLOYMENT OF ENGINEERING TEAM ENHANCED CUSTOMERS SOFTWARE DEVELOPMENT PROGRAM

CASE STUDY



CHALLENGES

LHP initially engaged with the Customer in a consultant capacity and worked with the Customer's engineering team to outline a process to outsource complex software development programs on an as-needed basis. This type of engagement is termed as Phase 0, where LHP engineering consultants do a qualitative assessment of the Customer's existing processes or programs. As an outcome of Phase 0, LHP was awarded Phase 1, a pilot program to work on three complex projects where LHP's engineering team was a crucial part of the Customer's software development team, engaging in all the stages of a project delivery beginning with project planning, to finalizing requirements, to design and doing the implementation work, as well as supporting the testing and validation of the software for customer release.

The main challenge of the program was to prove to the Customer that LHP has the capability to ramp up and deliver on highly complex projects with a complete hands-off approach.

SOLUTIONS

To deliver on this highly complex project, LHP deployed the engineering team on-site and worked alongside the Customer following all of their pre-existing internal processes whilst documenting all the new processes which were being outlined to handle much more complex programs. In addition to delivering on the project-delivery milestones, LHP team members were also tasked to train and onboard any new members joining the program team.

As part of our project delivery solution, LHP offers a project management and technical advisor oversight for every project.

This ensures that the Customer has complete visibility into project progression and financial standing.

RESULTS

LHP is now a preferred outsource Software Development partner with this customer. We have grown the relationship from three pilot programs to 15 programs with increased levels of complexity this year.

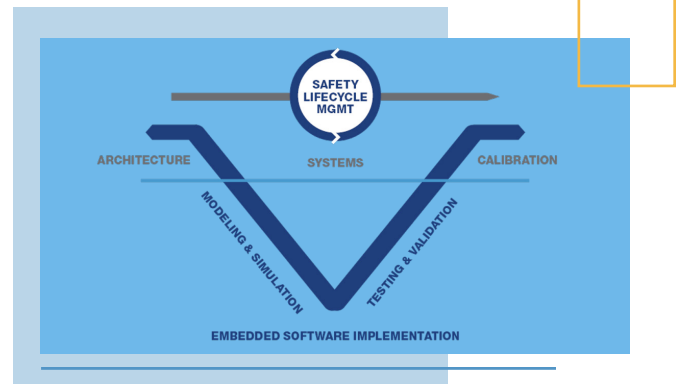


Figure 1: The software development "V-Model".

ABOUT THE PROJECT

Industry

- Automotive with a focus on Powertrain and Transmission components

Company Name

- Automotive components and parts supplier

Tools/ Technologies/ Skills

- Matlab Simulink and Stateflow
- TargetLink
- CANape-v9.0
- CANalyzer-v8.35
- CAN Case
- Trace 32 Debugger

Goals of the Project

- Document processes for a complex program
- Deploy the SW Development program from planning to customer release
- Train and on board additional team members

Application Area

- Complete project execution from planning to customer release

Project Duration

- 6 Months