

TIER 1 SUPPLIER

## Automotive

Software  
Engineering



Quality  
Assurance



# PARK ASSIST ADAS SOFTWARE MANAGEMENT, VERIFICATION, AND VALIDATION

## OBJECTIVES

Improve the functionality, safety, and user experience of the park assist system

## MAIN TASKS

- Develop and implement a comprehensive test plan for the park assist software, outlining test cases, scenarios, and acceptance criteria
- Define the testing strategy, including unit testing, integration testing, system testing, and regression testing
- Design detailed test cases based on software requirements and specifications
- Execute test cases to verify the functionality, reliability, and performance of the park assist software, identifying and documenting any defects or issues
- Develop and maintain automated test scripts to streamline and accelerate the testing process.
- Implement continuous integration practices to ensure automated tests are regularly executed within the software development life cycle
- Work closely with software developers to understand the design and implementation of the park assist features
- Provide early feedback on potential issues and collaborate on resolving software defects
- Generate and maintain verification documentation, including test plans, test cases, and test reports
- Ensure all testing activities are well-documented and aligned with industry standards and compliance requirements

## KEY TOOLS & TECHNOLOGIES

- |          |          |                                   |
|----------|----------|-----------------------------------|
| ■ Python | ■ Jira   | ■ Bed of nails flashing equipment |
| ■ C++    | ■ Git    | ■ CANoe                           |
| ■ DOORS  | ■ IC5000 | ■ Multitester                     |

**ALTEN TECHNOLOGY**