TIER 1 SUPPLIER

Automotive

Hardware Engineering

LIDAR SENSOR DEVELOPMENT AND INTEGRATION

OBJECTIVES

- Develop new, state-of-the-art automotive lidar sensors and integrate them into autonomous
- driving systems
- Collaborate closely with client engineering teams to customize and tailor the sensor solutions
- Meet start of production (SOP) deadlines
- Ensure the sensors exceed the quality and reliability set by industry standards
- Continually improve the sensor solution and process by constant learning from various projects

MAIN TASKS

- Develop, test, and debug various sensors by running simulations, overseeing bench tests, and conducting in-vehicle testing to ensure sensors work as expected
- Work closely with client teams to support integration of sensors by troubleshooting issues that arise during integration and providing technical support to ensure smooth operation
- Serve as a key point of contact by attending off-site meetings and presenting daily updates on progress
- Maintain detailed documentation for projects, including technical specifications, testing results, and regulation and compliance reports

KEY TOOLS & TECHNOLOGIES

- Client diagnostic tool
- Diagnostic engineering tool (DET)
- Vector CANoe
- Vector CANalyzer
- Python
- Linux
- Internally-developed software

ALTEN TECHNOLOGY