

## COMMERCIAL VEHICLE

### Automotive ADS/Software/Advanced Sensors

#### ALTEN ADDED VALUE

Cab development expertise

CATIA V5 expertise

Product structure expertise

Plastic and metal design expertise

Pneumatic system expertise

#### KEY TOOLS & TECHNOLOGIES

CATIA V5, CreoView, PDMLink, client PLM tool, Knox, Start

#### KEY DATA

Team Size: 10 Engineers

Time: 2021-2022

Location: Greensboro, NC

Work Package

ALTEN TECHNOLOGY

## AUTONOMOUS COMMERCIAL VEHICLE

#### OVERVIEW

A commercial vehicle OEM and autonomous driving technology company are jointly developing a fully (SAE level 5) autonomous truck for commercial launch in North America. The self-driving technology is integrated into the OEM's Class 8 flagship long-haul model.

As of early 2021, ALTEN Technology has approximately ten employees providing support in various areas, from concept creation to production design.

#### PROJECT DETAILS

- Modified **power train installation** components
- Implemented **pneumatic** routing
- Performed cab development within the areas of **interior, exterior, BiW, and geometrical architecture**
- **Adapted** interior and exterior designs to support autonomous technologies, **sensor integration**
- Developed designs from concepts to tooling and production releases
- Utilized injection molding, thermoset plastics, and soft trims
- Utilized metal stamping, forming, press braking, and welding
- Conducted **packaging** studies
- Implemented product structure changes

