

VOLVO TRUCKS NORTH AMERICA

Automotive ADS/Software/Advanced Sensors

ALTEN ADDED VALUE

Expertise in cab development, CATIA V5, product structure, plastic and metal design, and pneumatic systems

KEY TOOLS & TECHNOLOGIES

CATIA V5, Creo View, PDMLink, KOLA, Knox, Start

KEY DATA

Team Size: 10 Engineers

Time: 2021–2022

Location: Greensboro, NC
Work Package

ALTEN TECHNOLOGY

VOLVO AUTONOMOUS SOLUTIONS (VAS)

OVERVIEW

Volvo Autonomous Solutions and Aurora are jointly developing a fully (level 5) autonomous truck for commercial launch in North America. Aurora Driver technology is integrated into Volvo Trucks' Class 8 flagship long-haul VNL model.

As of early 2021, ALTEN Technology has approximately 10 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 and **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

