

COMMERCIAL VEHICLE

Automotive Architecture/Design/Packaging Studio/Class A Surfacing

ALTEN ADDED VALUE

Extensive background in automotive engineering from concept to production

Capability to provide engineering support for the development of the OEM Class A surface to production with 3D models and 2D drawings

Responsible for releasing DCNs with both CAD checking and DRW checking internally

KEY TOOLS & TECHNOLOGIES

Client PLM tool, Knox, CATIA V5, Creo View, PDMLink, Start

KEY DATA

Team Size: 15 to 20 Engineers

Time: Since 2017

Location: Greensboro, NC

Work Package

ALTEN TECHNOLOGY

NEW FLAGSHIP CAB INTERIOR AND EXTERIOR

OVERVIEW

This is the biggest new development project that the client has undertaken as of today. ALTEN Technology was awarded the project in Dec 2017 and has been involved with its development since early 2018. As of early 2020, ALTEN Technology has approximately 15–20 consultants supporting in various areas, from early design work to verification and validation.

PROJECT DETAILS

Cab Design

- Cab development within the areas of **interior**, **BiW**, and geometrical **architecture**
- Developed parts from **concepts** to A-release, B-release, and upcoming **C-release**
- Used injection molding for plastics and soft trims for interior
- Used metal stamping, brake pressing, and welding for BiW
- Conducted **packaging** studies
- Supported release process, PLM, DRW, TR, FMEA

Upper and Lower Cabinets

- Provided CAD information for SLA creation to help drive theme direction
- Provided master sections and technical input (TI) for **Class A surface development**
- Created component-level solid models and complete assembly models
- Created component and assembly **drawings**

