

ELECTRIC VEHICLE

Automotive

We provided 3D design and engineering capabilities along with technical expertise to quickly improve the project's status and complete deliverables that were previously delayed by the components' design complexity, required quality, and short component development schedule.

KEY TOOLS & TECHNOLOGIES

Unigraphics NX, Teamcenter, Visualization Mockup, and Jira

KEY DATA

Team Size: 5 Engineers

Time: Since 2022

Location: Greensboro, NC

Work Package Support

MECHANICAL ENGINEERING: INTERIOR, EXTERIOR, CLOSURES AND CHASSIS

ABOUT

In 2022, ALTEN Technology supported our client by developing several components for their global (US and UK) van and bus platforms, including components for the exterior, interior, closures, and chassis compartments.

AREAS AND COMPONENTS

Interior: Hard trim, wheelhouses, headliner, dash panels

Exterior: Side plates, wheel liners, wheel panels, fascias, grilles, mirrors, rockers, undertrays, mirror covers, and lighting brackets

Closures: Sliding and hinge door, aluminum brackets for the door, and rail door

Chassis: Rear suspension subframe, front wheel adapter

ACTIVITIES

- CAD 3D models
- FEA preliminary analysis
- Mass optimization
- Feasibility studies
- Manufacturing assessments
- Class A studio surfacing/engineering assessments
- Attachment points optimization

