

ELECTRIC VEHICLE

Automotive

Accommodated ramp up and ramp down phases during the project's life cycle

Provided engineering support at the plant

Experience working in 3DX since early 2016

Extensive background in automotive engineering from concept to production

KEY TOOLS & TECHNOLOGIES

CATIA 3DX, Jira

KEY DATA

Team Size: 5 Engineers

Time: Since 2021

Location: Greensboro, NC

Work Package

FULLY ELECTRIC PICKUP, LIFESTYLE, AND DELIVERY VEHICLES

OVERVIEW

ALLEN Technology has been closely integrated with our client working on all three programs it is currently developing at its R&D facility including a delivery vehicle, a lifestyle vehicle, and a pickup truck.

PROJECT DETAILS

- Worked on the exterior system from the early concept stage, developing master sections and packaging studies
- Developed the complete design of the front and rear bumper/grill, front-end module, and fenders from studio surfaces to production
- Conducted in-depth packaging studies for the frunk, fluid reservoirs, headlight, hood, and lock mechanisms
- Conducted assembly sequence and serviceability studies of exterior fascia
- Developed DVP and DFMEA for all responsible areas
- Supported the part implementation and industrialization of the exterior system at the plant
- Developed detail and installation drawings for all responsible parts

