

## DEFENSE OEM

### Heavy Truck Architecture/Design/Packaging

ALTEN Technology engineers are experts in vehicle architecture and can address a wide range of design challenges, from defining truck layouts to designing individual components. ALTEN Technology has extensive knowledge of US truck manufacturers and suppliers and thorough knowledge of North American truck regulations. We offer complete project support from the concept stage through prototype development and vehicle production.

#### KEY TOOLS & TECHNOLOGIES

Creo, PDMLink

#### KEY DATA

Team Size: 10+ Engineers  
Time: Since 2014  
Location: Greensboro, NC  
Work Package

ALTEN TECHNOLOGY

## COMPLETE VEHICLE ARCHITECTURE

### OVERVIEW

ALTEN Technology has extensive experience with high-level vehicle architecture. On several heavy-duty truck projects, ALTEN Technology engineers have acted as the lead vehicle architects, covering all areas of truck design, including chassis and cab components.

### PROJECT DETAILS

- Responsible for complete vehicle design
- Define high-level vehicle architecture, including determining wheelbase and bogie spread, calculating turning radius, and calculating axle load distribution
- Manage complete CAD model and all interfaces between components
- Work directly with component suppliers to select components and address engineering and packaging concerns

