

Automotive Architecture/Design/Packaging

The ALTEN Technology team was heavily involved in this project, providing strong support in electrical harness work, CAD release, and KOLA documentation.

PRODUCTS SUPPORTED

MRU 8x4 Concrete Pumper

KEY TOOLS & TECHNOLOGIES

Creo, PDMLink, KOLA, AVP

KEY DATA

Team Size: Up to 6 Engineers

Time: Since 2018

Location: Greensboro, NC
Work Package

TWIN STEER TRUCK IMPLEMENTATION

OVERVIEW

ALTEN Technology has been supporting the Volvo Group with the twin steer truck implementation.

The purpose of this project was to add the most popular 8x4 version of the MRU for concrete pumper into KOLA. This is to improve the lead time of this important segment and increase quality as well as reduce the cost of this option versus the CAC offering. This will also aid in the CE adaptation of variations for a quicker time to market.

PROJECT DETAILS

- Performed full truck packaging study
- Designed main harness and battery cabling
- Released new parts for the project
- Created CAD modules (40+) for seven VMSs (010, 015, 020, 030, 036, 040, 048)
- Updated and created installation drawings for new design
- KOLA documentation work (45 FGs, 200+ DCNs)
- Conducted design review with responsible engineers from CVDE and EE departments

