

## MACK TRUCKS

### Automotive Manufacturing/Industrial

#### ALTEN ADDED VALUE

Cross-functional work with ALTEN Technology's logistics, packaging, and tooling work packages yielded great results.

ALTEN Technology has a vast knowledge of Volvo's operation concepts and tools.

Continuous and cross-functional training of ALTEN Technology's consultants across three production lines (chassis, cab, and engine) created cost savings and added resources during peak periods.

#### KEY TOOLS & TECHNOLOGIES

MACS, NTRP, GPT, TIKA, ELK, PFEP, QlikView

#### KEY DATA

Team Size: 20 Engineers

Time: Since 2016

Location: Macungie, PA

Work Package

ALTEN TECHNOLOGY

## LOGISTICS ENGINEERING

#### OVERVIEW

- Supported Mack's Reborn project, which has a reported total investment of \$70 million in its Macungie/Lehigh Valley operations plant
- ALTEN Technology's logistics engineering work package team has been supporting multiple projects within Reborn's scope that have employed 20 engineers to date
- Successfully implemented MACS, a new-age logistics management system developed by Volvo
- Developed state-of-the-art business intelligence tools that transformed the way of working at Volvo

#### PROJECT DETAILS

- Supported all product project introductions and all regular intro blocks since 2016, including the Mack Anthem
- Implemented MACS—Volvo's new logistics management system—across the plant on multiple assembly lines
- Supported the creation and roll-out of the PFEP (Plan for Every Part) tool that keeps track of every part location
- Studied current logistics flows in the plant and optimized them to achieve maximum efficiency
- Developed business intelligence and analytics tools on the QlikView platform that continuously calculate potential part shortages, warehouse capacities, order transport statuses, parts with no POs, space availability in each station, packaging KPIs, etc.
- The team also includes a PSKU who is responsible for implementing and supporting all logistics-related IT systems



- Developed new processes for downsizing and repacking specific packages based on demand at the station level
- Recognized by Volvo management for being the only team to have successfully implemented the new supplier compliance protocols and tools on the first attempt
- Achieved 80% supplier compliance quickly by following up with all suppliers on time and keeping track of all changes
- Attended benchmarking workshops at many Volvo plants and helped incorporate a new "kitting under racking" concept

