

# New MES Yields Detailed Birth Record for Safety-Critical Parts for Tier 1 Automotive Supplier


## Business Challenge

The Tier 1 Automotive Supplier produces steering gear boxes for light and medium-duty trucks. Steering boxes classify as a safety-critical component, so the supplier needed the ability to not only capture real-time production data, but also have real-time controls in the assembly process.

## Solution

Extending across sub and final assembly production lines, Pyramid Solutions deployed an MES solution that exactly met the Supplier's needs. The MES solution merged error-proofing, lot traceability, and process data to create one coordinated birth history record for each part produced.

A tight integration between the MES solution and the ERP system prepares the supplier for a quick resolution in the event of a safety recall or warranty issue. The MES solution also improved financial reporting accuracy, inventory control, and complete component-level traceability.



*We chose Pyramid Solutions not only because we partnered with them before, but because of their deep domain knowledge and expertise.*

— Plant Manager