

CASE STUDY

Transition to "FMEA+" Application for Plant Updates & Operational Improvement

RESULTS

- ✓ Established new FMEA+ to ensure better accuracy and efficiency in plant updates.
- ✓ Successful remote coordination among key players: Lead Engineer, Process Engineers, Client FMEA Organization, and FMEA+ Resources.
- ✓ On-time and at-budget project completion; meeting client's download deadline by utilizing time more effectively remotely and outside of internal plant activities.

ASSIGNMENT

Prepare spreadsheet PFMEAs and PCPs to be transitioned to a relational database "FMEA+" application for major North American automotive manufacturer.

PROJECT SCOPE

Encompassing an entire global propulsion system plant:

- > 5 Engine Models
- > 4 Cylinder Block and Cylinder Head Types
- > 3 Crankshaft Types
- > 1 Engine Assembly Line
- > Total of 417 manufacturing operations PFMEAs & PCPs

CHALLENGES/TASKS

- > Original PFMEAs and PCPs not up-to-date or linked to each other.
- > Erroneous data from previous failed attempts to transition data to a different solution.
- > Updated original PFMEAs and PCPs; added numerous additional PFMEA updates.
- > Created Linkage Points in each PFMEA and PCP to be used to transition to relational database.
- > Ensured Linkage Points are unique, spelling identical, same syntax, correct data.
- > Completed FMEA+ software training.