Client Reference

Manufacturing | Automotive
Improving Rotable Spares Availability

Client Background

Our client is an icon worldwide in the motor industry and leading manufacturer in South Africa. The manufacturing plant in East London, South Africa, is currently one of the manufacturers of the new luxury right hand drive passenger car.

The management of our client embarked on a journey to implement a range of management systems based on the Pragma Asset Management Road Map. The aim is to mature all the Asset Management key performance areas to a world class standard.

Key Challenges

- Inefficient management report and control on rotable items with lack of standard reports to manage the rotable process and inadequate tracking of repairs.
- Silo operation between different sections with each shop within the facility following their own process to repair rotable parts.
- Incorrect classification of rotable items resulting in the ordering of new parts, while repairs were taking place.
- Inefficient management reporting on the status of rotable testing, resulting in items being booked into the store as ready to be used.
- Inadequate identification on rotable items.
- Outdated supplier database.
- Time delays due to couriers not using certified packaging for international shipping resulting in delays at harbour customs.
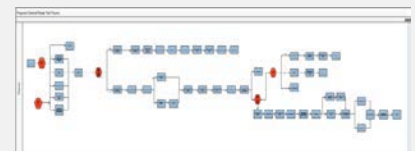
"The new rotable process is well integrated within all shops at our client. An increase in transparency and reduction in cost are some of the benefits currently being experienced.
Effective equipment performance monitoring is the next challenge. Enhancing the rotable process and making use of system functionality, such as SAP PM Serialization and automation will make this a reality in the near future."

Chester Joubert, Central Services Manager

Value Add

- Control over rotable items.
- Easy visibility of available rotable items.
- Efficient planning with effective time management.
- Visibility of repair progress.
- Cost savings due to:
  - Less carried stock
  - Effective circulation of items between the plant and vendors requires fewer purchases.
- Increasing the turnaround time for repairs supports the controlled reduction of carried stock.
- Testing parts in production conditions before warehousing gives peace of mind to maintenance personnel when installing repaired equipment.

Tools and Technology

- SAP
- DMAIC process.

- Focused Improvement
- Warehousing
- Materials Management.

Pragma Intervention

- Designed and documented a consolidated repair part business process.
- Rotable function moved from stores to workshop in order to keep closer control.
- Tagging system created for rotables.
- Updated supplier database.
- Racking installed to organize items before dispatch.
- An accredited courier company was identified to package and transport parts.
- Correct classifications of rotables in SAP material master.
- Created work order statuses in SAP to track repair and testing progress.
- Created SAP reports to monitor rotable parts issued from the maintenance store; monitor stock outs off rotable parts in order to prioritise on-site repairs and to monitor potential reordering of rotable parts via MRP.
- Scorecards were designed to display repair progress to management.