

## ENERGY SECTOR MAINTENANCE SUPPLY CHAIN IMPROVEMENT



One of the world's leading producers of crude oil engaged Trident to assess the efficiency of supply chain processes within its Maintenance Services group.

**\$48MM**  
**ANNUALIZED SAVINGS**



### HOW WE MADE IT HAPPEN:

- Installed a parts return process which resulted in a 100% increase in used parts returned, decreasing the average parts cost per work order:
  - Increased warranty claims on parts to ensure warranty opportunities are fully leveraged
  - Enhanced material replenishment process to reflect the impact of returns on order quantities
  - Improved inventory minimum and maximum adjustments based on actual usage
  - Promoted circulation of unused parts across teams and technicians
- Improved Bill of Materials review process to improve work order accuracy. Volume of work orders reviewed increased by 215%:
  - Reduced volume of unnecessary parts ordered for frequent jobs
  - Installed a Planning Feedback Form to promote continuous improvement
- Implemented Daily Activity sheet to encourage leader short-interval management and support continuous improvement:
  - Evaluated productivity of technicians by conducting short-interval management
  - Quantified lost-time impact of barriers and allowed root cause analysis for delays in scheduling work
  - Reduced headcount by 5% overall as a result of improved scheduling accuracy and increased management control

- Installed weekly barrier removal meeting to support higher time on tools
- Improved reporting and management systems:
  - Installed area and team dashboards to increase performance visibility, tracking and analyze variations in productivity
  - Optimized staging and inventory management practices in material staging areas

### RESULTS:

Six months after the implementation of the changes, an audit of the project confirmed the sustainability of the method changes installed for a 1500% ROI.

**We are here to Make It Happen™.**

**Contact us for a complimentary assessment to help solve your complex business issues at [info@trident.com](mailto:info@trident.com).**