

# MAINTENANCE PLANNING AND EXECUTION

## ENERGY SECTOR CASE STUDY



A large oil refinery in Northeastern United States specializing in production of jet fuel engaged Trident to reverse growing inventory levels and secure strategic sourcing benefits in maintenance planning, procurement, and inventory management.

### \$1,500,000

**REDUCTION IN  
INVENTORY ON HAND**

**HOW WE MADE IT HAPPEN**

- Implemented weekly review of project KPIs and performance dashboards between department Leads and refinery operations, driving improvement in Priority 2 (P2) maintenance work order break-ins to the weekly maintenance schedule
- Designed and installed a work order prioritization matrix and feedback loop process in operations for Priority 1 (P1) weekly submissions, resulting in a 58% reduction in P1 submission rate
- Implemented a weekly locked maintenance schedule, improving schedule attainment rate by 11%
- Installed a weekly material staging and sign-off process for maintenance supervisors and operations, resulting in a 98% material availability rate

### \$2,000,000

**ANNUALIZED  
SAVINGS**

- Designed and installed a new stock authorization form and gatekeeping process to reduce accumulation of non-moving inventory
- Installed maintenance barrier log consolidation dashboard and daily maintenance barrier log review process to identify root causes for maintenance delays, reducing work order delay rate by 25%
- Installed unused materials returns process and feedback loop between maintenance execution and project controls to reduce surplus inventory accumulation
- Launched RFPs for targeted MRO categories, generating pricing savings totaling 15% of target spend
- Executed supplier forum to communicate strategic sourcing initiatives and overall company direction to drive competition

### 54%

**REDUCTION IN P2  
MAINTENANCE WORK  
ORDER BREAK INS**

*"The Trident team worked side-by-side with our management to ensure sustainable buy-in and commitment to active management behaviors that are already delivering results. We have appreciated Trident's constant transparency and results-oriented focus throughout this process, as well as the relationships they have built with stakeholders at all levels of the organization."*

*– Chief Financial Officer*

WE'RE HERE TO MAKE IT HAPPEN™.  
CONTACT US TODAY AT [info@trident.com](mailto:info@trident.com).

