

# DRILLING RELIABILITY ENERGY SECTOR CASE STUDY



One of the world's leading land-based drilling companies experienced much higher maintenance costs in the US than elsewhere in its global organization and engaged Trident to improve Mean Time Between Failure (MTBF) performance and drive efficiencies in its maintenance and procurement function.

## 33%

**IMPROVEMENT IN  
MEAN TIME  
BETWEEN FAILURE**

## \$5,500,000

**EBITDA IMPROVEMENT**

## 62%

**INCREASE IN  
PREVENTATIVE  
MAINTENANCE  
COMPLIANCE**

### HOW WE MADE IT HAPPEN

- Improved 'root cause' visibility on equipment failures:
  - Utilized on-rig handhelds for input
  - Installed reports to track failures by root cause by rig and region
  - Raised preventative maintenance compliance from 32% to 94%
  - Achieved a 33% improvement in MTBF
- Restructured maintenance department geographically to respond efficiently to work orders
- Centralized Purchase Order (PO) process to improve speed and PO accuracy at all process steps
- Installed full reliability program nationwide across 90 rigs and made significant enhancements to pre-existing Computer Maintenance Management System (CMMS)
- Implemented monthly budget review meetings to improve purchasing data accuracy and critical discussion
- Improved hydraulics, electrician and rig mechanic time-on-tools productivity by 33% by setting 'real-world' time standards and batching work orders by rig
- Improved first-pass invoice quality by 70% allowing payables department to redeploy staff to higher-value tasks
- Reduced downtime on rig due to maintenance by 2.2%, allowing client to generate increased revenues and improve service
- Standardized drilling rig move process across all regions to reduce rig damage

*"In speaking with staff members at all levels of the organization, I have only heard positive remarks about the project and the consultants. Trident's guidance through the redesign of our Maintenance Department has given us the structure needed to grow our operations while reducing costs and improving equipment reliability."*

*-Senior Vice President, US Operations*

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

