



AJ-STACK
SOLUTIONS

CAPABILITY STATEMENT

The Leading Experts for Rotating Equipment Solutions
www.ajss.com.au

Technical Training



- Conducted at our purpose built training facility
- On-site training
- Custom developed training packages targeted for Field crews and Engineering for any Rotating Equipment manufacturer
- Online Training coming soon

Products & Equipment



- CCC Valves
- AirPack - Air and Nitrogen Solutions
- gSentinel
- Transportation Pod
- O&M Tool Kits
 - Engine supports
 - Removal tools
 - Maintenance tool kits
 - Borescopes
- Engineered Spare Parts Solutions
- Legacy Equipment Support

CASE STUDY

A customer engaged AJSS for a solution for their failed Generator Control Module (GCM). The original supplier had informed the customer that this GCM was no longer supported and that they would need to undergo a costly upgrade. AJSS received the GCM from the customer and undertook an internal assessment of the failed part. AJSS found that the CGM could be repaired. The repair was undertaken at a fraction of the price of the upgrade. The CGM was returned to the customer and reinstalled with the Generator continuing to operate.

Field Services & Site Audits



- Field Services
 - Borescope
 - Vibration
 - Thermography
 - Maintenance and part replacement
 - Engine replacement and alignment
 - Troubleshooting
 - Commissioning
 - Engine Installation
- Cold Eyes Safety Review Audit
- Field Service Site coverage for roster shortage
- O&M Procedure Development
- Engineering skills to troubleshoot rotating equipment faults
- Electrical and Hazardous Area Assessments
- Type B verification

CASE STUDY

AJSS Engineering identified a customer's Dry Gas Seal (DGS) was showing signs of failure and required replacement. The customer originally sought support from the equipment supplier but was informed of a 6 week wait time for support. The customer engaged AJSS Field Services to undertake the DGS replacement which was successfully completed only 2 days after the failure was originally discovered.

AJSS supported the customer in identifying the required parts for the DGS replacement and by supplying a multi-disciplined Field Service team for the replacement.

Engineering & Project Management



- Engineering Support
- FEED / Detailed Design
- Cost Estimation
- Scope Development
- CAD / Drawings
- Vendor Selection
- SIL Assessment
- Project Management
- FAT, SAT
- Commissioning
- MDR documentation development
- 3rd Party Witness Testing

CASE STUDY

During a technical audit conducted by AJSS Engineering it was identified that a customer's Fire System required immediate upgrade to meet minimum safety requirements. The customer engaged AJSS for the engineering design, drawings and project management of a solution that would support multiple rotating equipment packages with a common triple redundancy Fire Safety System. AJSS worked closely with the customer to ensure costs were kept to a minimum by utilising the customers operation team for implementation on site.

Asset Management



- Performance Monitoring
 - Engine, Compressor
- Condition Monitoring
 - Oil, Vibration, Thermography
- MORP
- Asset Management Plans
- Maintenance Plans
- Risk and Controls Analysis
- Life Cycle Strategy
- Investment Decision Analysis
- Intermittent Operation
- Overhaul Extension Analysis

CASE STUDY

AJSS supported an international company by advising and assisting a 'Due Diligence' team with a capital investment project by providing projected costs and maintenance strategies over a 40 year operational life of multiple rotating equipment packages. AJSS developed a financial model which included all maintenance, overhaul, predicted failures and replacement parts to develop a full life cycle cost for the equipment. This analysis was utilised by the customers 'Due Diligence' team which ultimately led to the customer making the capital investment.