



AL-NAJIM SAUDI
INTERNATIONAL CO. LTD.

Electro - Mechanical Services for Plant Shutdown in KSA

Al-Najim has a Dynamic & highly skilled Team especially to work during the Plant shutdown, the below are the activities performed by our team during the Plant Shutdown.

Condition Monitoring Services:

- Vibration Monitoring - Data Collection and Analyzing / Reporting
- Laser Alignment Services
- In-Situ Balancing - Blowers, Fans, Impellers
- Thermography Services
- Ultrasonic Inspection - Pressure/ Vacuum Leak Detection
- Streamlined Reliability Centered Maintenance (SRCM)
- Online/Transient Vibrate Monitoring Services
- Lubrication System
- Installation of Expansion Joints



MOTOCARE, GENCARE & CABLE Specifications:

A) On-Line MOTOCARE™ & CABLE Specifications:

- Electrical Signature Analysis
- Vibration Analysis
- Acoustic Emission Analysis



B) Off-Line MOTOCARE & CABLE Specifications:

- Insulation Resistance, Polarization Index, Dielectric Discharge Ratios
- DC Winding Resistance
- Winding Circuit Analysis
- Stator Surge Comparison Test
- Tan Delta & Capacitance Analysis
- Partial Discharge Analysis ... ≥ 1000 kW &/or 13.8 kV
- Repetitive Surge Oscilloscope Test → Synchronous motors only

GENCARE Specifications:

- Inspection and testing of generators
- Installation of Generators Online Partial Discharge monitoring System
- Repair of Generators

