

# Services

## Rotating Equipment & Turbo Machinery Services

- Maintain – Repair – Overhaul services combined with commissioning support for a smooth overhaul process.
- Overhaul & Repair on-site.
- Installation and commissioning of new equipment
- Start-up services.
- Lubrication service.
- Steam Turbine Services.
- Turbo Compressor Services.
- First Line Maintenance.
- Pump Overhaul & Repair.
- Industrial Fans & blowers Overhaul & Repair.
- Extruder Overhaul & Repair.
- Maintenance engineering.
- Inspections & Diagnostics.
- Rotating Equipment Inspection (API).
- Installation and relocation of machinery, equipment or parts.
- General maintenance contractors for machinery.
- Fault-finding in problematic equipment.
- Machinery & Mechanical repair.
- Planned and preventative maintenance schedules (which we will compose for your business).
- Machine modifications and build.
- Gearbox inspection & repair.

## Condition Monitoring & Advanced Maintenance Techniques

- Vibration Monitoring and Analysis
- Infrared Thermography
- Airborne Ultrasound
- Integrated Predictive Maintenance Programs
- Laser Alignment
- On-site Balancing

## Mechanical Constructions & Piping

### Mechanical construction & Projects

- Complete life-cycle services: engineering, execution, maintenance, overhaul and replacement.
- We cover the complete technical spectrum: from generic to highly specialized mechanical work – we have capabilities in all mechanical areas.
- Integrated approach in projects; one contact person, one responsible party.
- Mechanical & Piping Construction Services.
- Work preparation and project execution planning.
- Skilled technicians and supervision supported by experienced engineers.
- Prefabrication and revisions take place in our own facilities.

### Piping Services

- Piping (prefab & field).
- Mechanical.
- Non Destructive Examinations (NDE).
- Post Weld Heat Treatment (PWHT).
- Steel Structures.

### Plant Turnaround, Outage and Shutdown

- Project Management.
- Principle Contractor of large maintenance projects.
- Welding Processes.
- Industrial Fitting.
- Welding Supervision & Inspection.
- Rigging.

### Industrial & Supplying Services

Labor Supply Services; we can provide you with Skilled, Semi-Skilled and Un-Skilled labor supply of Technicians in the different industrial maintenance categories like:

- Mechanical
- Electrical
- Instrumentation, Etc.

In Executive and Skilled categories, we can provide:

- Engineers
- Welders
- Grinders
- Pipefitters
- Riggers, Etc.

# Services

## Inspection & QA/QC Solutions

### Inspection Solutions

- Pipeline pressure testing & isolation.
- Post Weld Heat Treatment (PWHT) for Welds.
- Provide Qualified Supervisors for all welding activities.
- Preparation for Required WPS & PQR.
- Welding Inspection.
- Mechanical Static Equipment surveillance.
- Portable Equipment.
- Witness Testing.
- Site Inspection/commissioning.
- Manpower Support.
- Inspection Coordination.
- Integrity Management of static pressure systems, structures and pipelines.
- Corrosion engineering and risk assessment.
- Inspection Management.
- Monitoring technology for corrosion and erosion.
- Materials testing, analysis and failure investigation.

### Project QA/QC Solutions

- QA/QC Inspection – Visual (CWB Level 1, 2, & 3, AWS and CSWIP).
- QA/QC Inspection – Piping (B31.1, B31.3, Z662).
- QA/QC Inspection – Mechanical (API / ANSI).
- API Inspection (API 510, 570 & 653).
- Coating/Painting Inspection.

### NDT Solutions

- NDT Surveillance.
- Visual Inspection and Metrology.
- Visual Testing (VT).
- Magnetic Particle Inspection (MT).
- Dye Penetrant Inspection (PT).
- Ultrasonic Testing (UT).
- Radiography Testing (X-ray and Gamma) (RT).
- Positive Material Identification (PMI).
- Advanced Inspection.
- Hardness Testing.
- Ferrite Testing.
- Corrosion/Thickness Gauge.
- Vacuum Box.
- Video Scope.
- Hydrostatic Testing.

### Plant Inspection Services

- Inspection of Piping.
- Inspection of Pressure Vessels.
- Inspection of Tanks.
- Inspection of Heat Exchangers.
- Inspection of Boilers.
- Inspection of Painting / Coating.
- Inspection & Testing of Valves and SRV.
- Inspection & Testing of Lifting Equipment.