

## Drilling equipment maintenance

With over 45 years' experience maintaining critical equipment in the oil and gas industry, we have the knowledge and expertise to give you assurance in the reliability, performance and safety of your drilling equipment.

We deliver inspection, maintenance, repair, overhaul and recertification that ensures the integrity and performance of your equipment and drilling campaign.

We work across the globe, travelling to onsite locations and providing local support via the workshops we have located in every region of the world.

Our multi-discipline engineering team is at the core of the services we supply and enables us to support the exact requirements of any project with a technical solution.



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## Our technical capability

We have an experienced team who perform inspection, maintenance, refurbishment and repairs on all classes of rigs, rig systems and equipment.

Our engineers and technicians are qualified in the following disciplines:

- Mechanical
- Hydraulic
- Electrical
- Structural
- Integrity / reliability
- Automation and control.

This breadth of capability allows us to support you with a wide range of technical challenges.

We fully manage maintenance, repair and recertification projects, delivering a full turn-key service.

Typical activities we carry out include:

- Project management
- Full mechanical, hydraulic and electrical disassembly and assembly of equipment
- Mechanical and structural repairs
- Reverse engineering of components where required in the absence of Original Equipment Manufacturer (OEM) parts
- Fabrication repairs by qualified personnel
- Recertification
- Reinstallation and commissioning of equipment onsite
- Parts supply
- Machining services
- Project engineering

Minor scopes can often be completed in-situ to minimise impact on operations and larger scopes can be carried out at our workshop facilities.

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1. Installation of motor on overhauled shale shakers.

2. Inspection and testing of power slips.

3. Inspection and maintenance of mud pumps.



## Equipment types

We undertake day-to-day equipment repairs and troubleshooting, through to full five-yearly recertification projects. Our breadth of expertise allows us to support the maintenance of a wide range of drilling equipment from any OEM.

The equipment types we work on include:

- Catwalks
- Crown blocks
- Deadline anchors
- Drawworks
- Drill handling tools
- Hooks
- Hydraulic Power Units (HPUs)
- Iron roughnecks
- Mud pumps
- Pipe handlers
- Rotary tables
- Swivels
- Top drives
- Traveling blocks
- Winches (electric, hydraulic, pneumatic).

## Global footprint

With operational hubs and workshops across the globe we provide local expertise and capability wherever your equipment is situated, allowing us to provide a quick and cost-effective service. With our proven expertise and exacting standards, we'll return your equipment to a condition that meets or exceeds OEM standards.

We have engineering hubs in each region we operate, providing 24-hour support no matter the project. All our personnel are trained and operate to the same exacting standards so you can be assured of a high quality of delivery in every location we work in.





## Sparrows Group

We are a global provider of specialist equipment and integrated engineering services to the oil and gas, renewables and industrial sectors. Our broad range of solutions ensure the performance, reliability and safety of critical equipment and people.

### INTEGRATED SOLUTIONS

- Crane and lifting services management
- Deck operations management
- Drilling equipment maintenance
- Reliability centred maintenance
- Mechanical handling
- Equipment upgrade
- Fault finding and repair
- Hydraulic system management

### CAPABILITIES / SERVICES

- Multi-discipline engineering / design
- Crane operations
- Rigging / lifting
- Maintenance / servicing / refurbishment
- Inspection / testing / rope access
- Fluid power / hydraulics
- Site surveys
- Training / coaching

### EQUIPMENT SALE AND RENTAL

- Cranes
- Crane technology
- Cable / pipe handling systems
- Fluid power / hydraulic systems
- Rigging / lifting equipment
- Mechanical handling equipment
- Spare parts / components
- Access systems

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