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## Crane and lifting equipment integrity

Ensure the safety and reliability of your facility's lifting and handling equipment with specialist inspection, maintenance, repair and upgrade expertise



With over 43 years' experience manufacturing, maintaining, refurbishing and repairing cranes and lifting and handling systems we have an in-depth knowledge of the issues faced in lifting operations



Operational integrity delivers:

- Confidence in the reliability of your equipment
- Reduced costly equipment downtime
- Improved safety – less incidents
- Consistency of standards across your facility

Safety and reliability are crucial. Ongoing production and company reputation depends on them and our experience working to the high standards demanded in hazardous environments means our customers are assured of the integrity of their operations.

We deliver a variety of services – from the management of inspection and maintenance of all lifting equipment to troubleshooting and repair on an individual basis and the supply of cranes and training.

## Management

We take over the responsibility of managing the integrity of all your lifting operations, ensuring compliance with Occupational Safety and Health Administration (OSHA) requirements. We are flexible about how we work with you, it's important that you end up with a solution that is fit-for-purpose.

### CONNECT DATABASE

Connect is our client portal which provides 24/7 online access to all of your inspection records. It's interactive, allowing you to upload supporting documents such as drawings, materials lists, photographs, calibration reports etc.

Reports available through Connect include:

- Lifting equipment registers
- Lifting equipment defect reports
- Lifting equipment test certificates
- Cargo carrying unit certification
- Suite of Non-Destructive Testing (NDT) reports
- Visual inspection reports.

Different levels of access can be set up for unique users – they can have access to one location or a number of facilities.

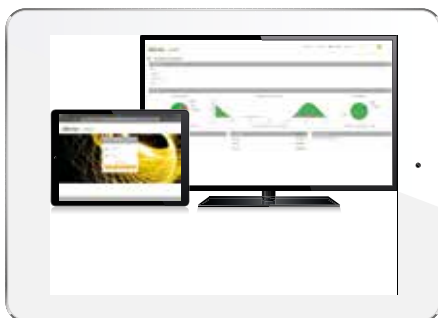
### OSHA

OSHA determines the severity of service depending on the equipment's level of activity.

Equipment in regular use requires two types of inspection – frequent and periodic. The majority of frequent inspections can usually be carried out on-site by your own personnel. Periodic inspections should be carried out at anything between one to twelve month intervals.

Cranes deemed not in regular use have usually been idle for a period of one month or more, but less than six months.

OSHA define a crane as a machine for lifting and lowering a load and moving it horizontally, with the hoisting mechanism an integral part of the machine.



## Inspection and maintenance

After an initial assessment of your equipment, we devise an inspection and maintenance strategy that is tailored to your operations.

Typical inspection services we carry out include:

- Lifting equipment inspections
- Crane structural inspections
- Hoisting and handling tool inspections
- Load testing
- Dropped Objects Prevention Scheme (DROPS) inspections
- Fixed and loose rigging.

We have the capability to utilize a variety of inspection methods including:

- Visual inspection (VI)
- Magnetic particle inspection (MPI)
- Liquid penetrant inspection (LP)
- Ultrasonic inspection (UT)
- Eddy current inspection (EC)
- Electromagnetic inspection (E-Mag)
- Positive material identification.

The equipment we inspect and maintain includes overhead and mobile cranes and all associated systems as well as loose lifting accessories such as jacks, chainfalls, come-alongs, turnbuckles, slings (wire and soft) and shackles, etc. Our services also cover equipment being lifted such as cargo carrying units and pipe racks etc.

## New build dock and overhead cranes

We deliver custom designed and manufactured overhead and dock cranes. A customized solution means you get equipment that is engineered to fit with your requirements.

Our cranes deliver:

- Reliability
- Ease of operation
- Straightforward maintenance
- Adaptability to different regional standards
- Ability to integrate advanced technology.

## Refurbishment, repairs and upgrades

We have the capability to deliver a quick turnaround when required. Our field technicians are on call 24/7 for emergency repairs.

In addition to repairs, we can undertake field refurbishments or upgrades which may include:

- Modern fixed control systems
- Wireless control systems
- System performance improvement
- Improved safety and limit systems.

For more extensive projects our workshops are designed to accommodate the refurbishment of equipment, including blasting and painting.



## Training

The onshore training courses we deliver include:

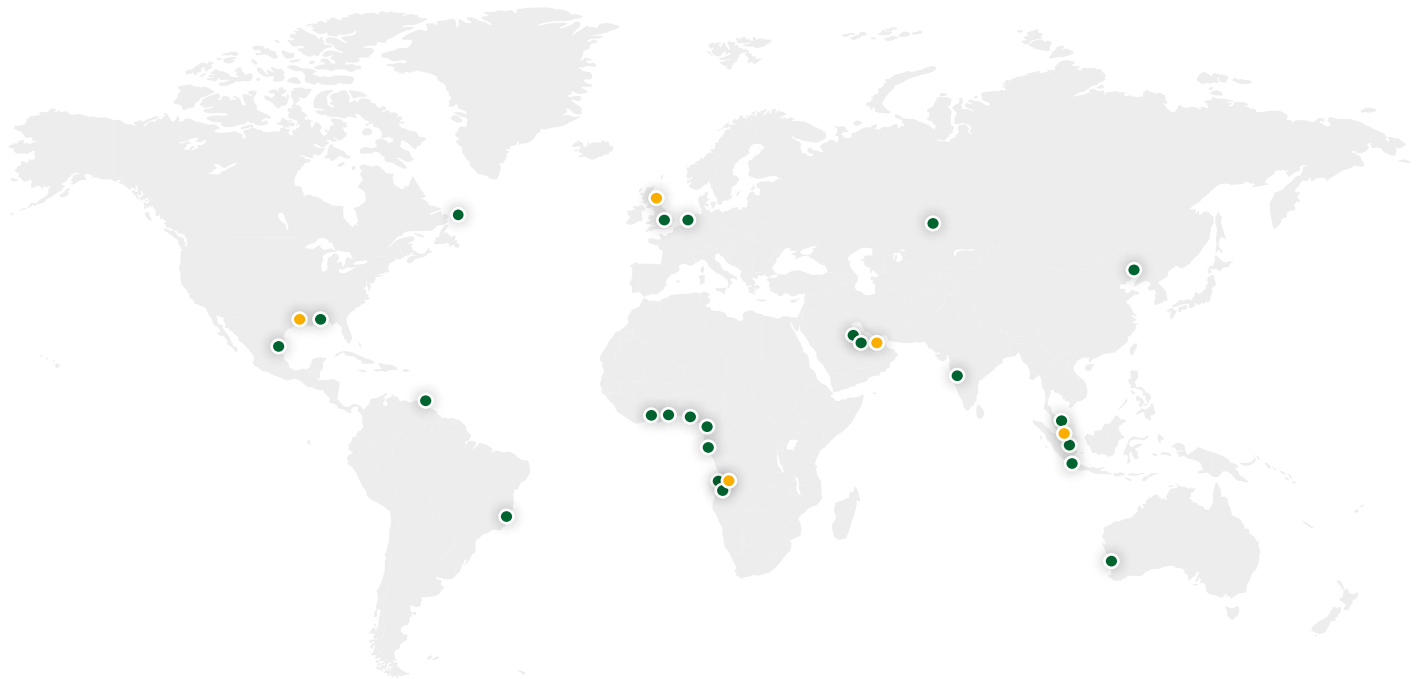
- Onshore rigger
- Rigger gear inspector
- Powered overhead crane operator
- Powered industrial truck (forklift) operator
- Aerial platform (man lift) operator
- Gin pole / auto crane operator
- Mobile crane operator
- Main-riider hoist operator
- Wire rope inspection
- DROPS.



Our capabilities are not limited to lifting equipment. We can undertake hydraulic repairs and refurbishments, and hose integrity management for all types of plant capital equipment.



# Local knowledge, global network



- **SPARROWS HEAD OFFICE**
- **SPARROWS LOCATION**

## **INTEGRATED SOLUTIONS**

- Crane and lifting services management
- Deck operations management
- Reliability centered 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

Please visit [www.sparrowsgroup.com/contact](http://www.sparrowsgroup.com/contact) to find your nearest office

