Specialist products and engineering services for the energy industry

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The Sparrows Group journey

1946-1975
- Founded in Bath in 1946 by the Sparrow family
- Supplied crane operators to Forties field North Sea in 1975

1975-1999
- Operators supplied to Brent Spar in 1977
- First training facility launched in Aberdeen in 1983

1999-2006
- Moved into:
  - Houston
- Acquired:
  - Martec
  - American Aero/Titan
  - Dynamic Cranes
  - Bucyrus Erie IP

2006-2016
- Moved into:
  - Indonesia
  - Singapore
  - Qatar
  - Brazil
  - Malaysia
  - Saudi Arabia
  - Trinidad & Tobago
- Acquired:
  - Marine & Mainland
  - Aberdeen Hydraulics
  - Baricon
  - Servtech

Today
- Moving into Canada through strategic partnership
Who we are

Sparrows Group

The Sparrows Group is a global provider of specialist products and integrated engineering services to the energy industry. We specialise in delivering structured and bespoke solutions to meet our customers’ crane, lifting and mechanical handling, cable and pipe lay, and fluid power requirements.

We work around the world, around the clock, to support our clients to optimise their efficiency and ensure the performance, reliability and safety of critical equipment and people.

Our commitment to consistently provide high quality engineered products and services through our ‘above all, one standard’ approach to quality and safety means delivery is assured with the Sparrows Group.

With 1,700 employees worldwide and over 40 years’ experience working in the offshore industry we are the local specialists who have the network, knowledge and experience to get it right.

100% of our people are staff

No.1 provider of crane operations and maintenance services

31 global locations across 9 key areas

Industry benchmark

Our crane operator standard is recognised as industry best practice worldwide
Supporting your goals

Adding value

We support you to:

Maximise up-time
Everything we do optimises the performance of your safety critical equipment

Solve engineering challenges
We always have a full range of experienced specialist engineers at hand

Maximise efficiencies
Our turn-key fully managed contracts provide you with economies of scale globally

Identify and mitigate risks
We support you to proactively manage risks, optimising reliability of your operations

Improve competency
All the trainers at our well established centres have practical ‘in the field’ experience

40+ Experienced specialists
Decades of knowledge and skill with safety critical equipment

Committed
Actively committed to ensuring one high standard of HSEQ globally
Our assurance to you

Delivery assured

We understand that competent, timely and safe delivery is of paramount importance to our clients.

In a constantly changing and demanding operational environment it is crucial to maximise the efficiency of critical equipment by optimising the performance and reliability of that equipment and the people who operate it, while always ensuring the correct safety standards.

Our operating model is structured around our commitment to assure delivery and when you choose the Sparrows Group you can be confident that we have the skillset to get it right.

**Engineered solutions**
- Wide engineering capability to solve challenges
- Design expertise for bespoke solutions

**Above all, one standard**
- Consistent HSEQ standards globally
- Culture that values quality and safety

**Specialist expertise**
- Experts in our field
- Over 40 years’ experience in the offshore industry

**Local knowledge, global network**
- Local experts on the ground at key locations
- Backed by global network of specialists
Checking the hydraulic and mechanical setup of a crane hoist winch following in house refurbishment.
Engineered products and services

Integrated solutions

Working across the entire asset life cycle we: **design, manufacture, install, rent, sell, operate, maintain, inspect, certify, remove, refurbish, repair** and **replace** equipment, and **train** your people.
Autocad Inventor illustration of engineering project utilising a temporary crane, custom mattress and skidding system to install accommodation modules on the Total Elgin platform.

88% of our entire workforce have technical qualifications.

Accreditation
We have a professional accreditation route for ALL our disciplined engineers.
Engineering support

Our consultancy, design and project engineering services support our clients and solve their engineering challenges.

We have built a team of specialists in a range of disciplines:

- Structural
- Mechanical
- Electrical
- Hydraulic
- Integrity / Reliability
- Automation and control (PLC)

Our specialist engineering capabilities, which are the core of our business, allow us to tackle any challenge. Typical services include:

- Project management services
- Lift planning and support services
- Crane and mechanical handling design, specification, upgrade and manufacture
- Cable and pipe lay system design, specification and manufacture
- Platform late life studies and decommissioning support

- Structural and finite element analysis
- Fatigue and design life review
- Failure modes and effects criticality analysis (FMECA) and integrity services
- Automation and control (PLC) system design, upgrade and maintenance
- Hydraulic system and equipment design, upgrade, manufacture and maintenance

It is vital that you have confidence in the competence of our engineers. That is why we have ensured all our technical disciplines have a route for achieving professional accreditations with:

- SOE (Society of Engagement and Experience)
- IET (Institution of Engineering and Technology)
- Institution of Mechanical Engineers

Although our engineering support services work as a global network we understand the importance of local knowledge so we have engineers on the ground in every one of our key locations worldwide.
Equipment manufacture, sale and rental

We will support you to assess your needs and decide on the best solution, whether it is a temporary rental or a permanent solution.

Engineered cranes

We design and supply API 2C 7th edition licensed box boom and lattice boom design cranes with a capacity range from 1.8 to 200 Te. Our fleet of over 30 rental cranes includes the largest number of API 2C monogrammed units available for hire.

As well as offering the world’s first rental API 2C 7th edition monogrammed crane we also rent units ranging from 5 to 125 Te capacity with boom lengths from 25 to 160 feet, all maintained to API 2C 5th edition and API PR2D standards, which can be mobilised to anywhere in the world.

Often clients think that they might require a barge crane, which is a very costly option, but we can come up with an inventive solution involving our rental cranes which is a substantially more cost effective option.

Buy or rent from us, we support you with:

- Installation crews
- Engineered installation procedures
- Platform structural reviews
- Site surveys and structural inspection
- Crane operators
- Equipment maintenance and storage
Lifting equipment
A wide range of lifting equipment and accessories are available to rent and we support our clients with maintenance projects and lifting equipment management.
We supply:
• Fully equipped rigging loft containers with optional RFID control
• Repair and maintenance of client owned equipment
• Rental of load test equipment (water bags, steel weights and load cells)

Fluid power
We design, manufacture, rent and maintain a wide range of hydraulic systems to support our clients’ fluid power requirements.
The equipment we provide includes:
• HPU's, flushing and pressure test rigs
• Winch and power pack deck handling systems
• Control panels
• Turbine start systems
• FPSO turret system upgrades
• Rig skidding system

The delivery of this equipment can be supported through our engineering services and we also supply technicians to operate, maintain and inspect equipment.

Engineered cable and pipe lay systems
We sell and rent a full range of engineered cable and pipe lay systems. To support the manufacture, deployment, recovery and storage of subsea umbilicals, risers, flowlines (SURF) as well as cables and pipelines, we design, manufacture and deliver:
• Reel drive systems
• Carousel systems
• Underrollers
• Tensioners, 2-track and 4-track
• Complete lay spreads
• Overboarding systems

In addition, we rent our robust and reliable hydraulic and electric drive tensioners which range from 3 to 50 Te SWL.
All sale and rental equipment is supported with the supply of:
• Mechanical, electrical and hydraulic technicians
• Specialists to install, operate, maintain and remove equipment
• Inspection and equipment auditing services
• Advice on failure prevention, maintenance and safety regulation compliance
• Engineering support prior to, during, and following rental and supply of equipment

Fully equipped rigging loft

50Te tensioner on-board Normand Reach

Hydraulic Power Unit (HPU)
Operations and maintenance management

Our operations and maintenance management services provide you with confidence in the performance, reliability and safety of your lifting and handling, cable and pipe lay, and fluid power operations.

The most cost efficient way of utilising our services is through a fully managed agreement, but we also supply ad-hoc support when required, anywhere in the world.

Lifting and handling

Efficient lifting operations are critical to the daily management of any offshore asset.

Having a global agreement in place with us can deliver significant cost efficiencies and provides you with comprehensive management of your vital lifting operations.

Our contracts typically include the following services:

Contract management

We provide you with a business manager who is your dedicated focal point for the contract. They are supported by a team of contract assigned engineers and our pool of project engineers who can be deployed to any project when required. On your behalf we also manage: the coordination of rigging equipment and spares; the project planning process; and personnel and equipment logistics.

Crane operators

Our operators are the most experienced and highly competent in the industry due to our internationally recognised offshore crane operator standard.

The following crane operators can be supplied on a core contract basis or ad hoc:

- Dual qualified crane operators/mechanics (crane operator qualified to stage 3 and mechanical/hydraulic/electrical NVQ trade qualified)
- Competent offshore hydraulic and friction clutch crane operators (stage 3)

We were the first company to introduce dually qualified mechanic crane operators.
Mechanical equipment maintenance

Maintenance of equipment is essential to maximise operational efficiency. Whether it is routine maintenance or repairing a breakdown, having competent people on hand to ensure maximum up-time is crucial. We supply:

- Mechanical/hydraulic/electrical technicians
- NVQ level 3 and OPITO qualified stage 3 riggers
- LOLER competent persons
- Rigging loft containers and technicians

Failure Mode Effect and Criticality Analysis (FMECA) studies allow us to create bespoke equipment and spares management strategies and planned maintenance routines.

Equipment refurbishment and storage

We have extensive workshop facilities across the globe that allows us to refurbish and repair equipment and store it. Our workshops typically supply:

- Machining services and reverse engineering of components
- Fabrication and painting
- Equipment strip down, overhaul, assembly and testing
- Load testing
Cable and pipe lay

We support the deployment of our cable and pipe lay equipment by supplying all the associated handling equipment and automated control systems, as well as experts to operate it. Taking advantage of this full service ensures safe and efficient installation and operation.

Our knowledge and experience allows us to devise long-term maintenance programmes and troubleshooting solutions that enhance the reliability of your own equipment. We also have the expertise to refurbish and maintain all parts and equipment at any of our workshops worldwide.

Fluid power

With a global network of highly skilled and qualified hydraulic engineers and technicians we can respond to your needs quickly, 24 hours a day, 365 days of the year.

As well as providing a wide range of fluid power equipment we support you by supplying on-site operational assistance, troubleshooting, maintenance, testing and repair. Typical services include:

- Assembly and commissioning
- Fault analysis
- Flexible and rigid pipework installation
- Hot oil flushing, pressure testing and certification
- Component service and repair
- Oil analysis
- Hose integrity management
Inspection and integrity management

Ensure compliance and optimise integrity of safety critical equipment with a wide range of traditional and advanced examination and testing techniques carried out by our specialist and experienced technicians.

Inspection services

We provide a range of inspection services to assure compliance. This involves thorough examination of equipment, with a focus on identifying defects. These physical examinations are critical to ensure equipment integrity for further use or to identify the severity of any defects and the potential risk of equipment failure.

We inspect a large variety of equipment and have specialist capabilities in lifting gear inspections and asset / vessel assurance inspections.

We support you with:

- Conventional NDT
  - Close visual inspection
  - Magnetic particle inspection
  - Liquid penetrant inspection
  - Ultrasonic inspection
  - Eddy current inspection
  - Phased array - advanced ultrasonics
- Rope access
- Special periodical surveys
- Structural inspections and repair
- Life enhancement
- High and low pressure piping surveys
- Lifting equipment inspections
- Pressure vessel inspections
- Vessel assurance audits and inspections
- Development of procedures/SOPS
- QA/QC surveys
- DROPS surveys
- Wire rope NDE and pressure lubrication
- Hose integrity management
- Alternating current field measurement
- Unmanned aerial vehicle inspection
- Flooded member detection

Integrity management

Our integrity management programmes deliver; inspection, maintenance, test and certification management by implementing prescribed industry standard techniques to assure equipment integrity. This approach gives you confidence that the future integrity of your equipment is being competently assessed at the correct intervals.

Inspection, Certification and Examination (ICE) database

All of our inspection services reports are compiled in our unique ICE database. Designed with you in mind it has a client portal to allow easy and quick accessibility to reports and certificates, as well as all of your historical inspection records.

The portal also allows us to upload information such as material lists, drawings, manuals, work packs and original certificates.

As information is uploaded from our side or yours, notifications are automatically generated for the attention of the relevant person, ensuring the timely sharing of information.

We are proud of the fact

that our ICE database and client portal received a noteworthy effort from DNV during a recent ISO 9001 re-accreditation audit.
Training and competence assessment

We are recognised across the world as the leading provider of lifting and handling safety training and competence services due to our specialist knowledge, recognised expertise and experience in the sector.

When we develop your people, you can be assured of their competence to perform to the Sparrows Group exacting and industry leading standard. We rate competency by the ability to consistently, safely and independently perform a task that can be measured and/or demonstrated.

We have dedicated training facilities at key locations across the world with the capability to deliver our full offering at any client location.

Programmes are accredited to ISO:9001, OPITO and the NFPC for UK delivery and API RP2D for US delivery.

We have training centres in:

- Aberdeen (UK)
- Houma and Houston (US)
- Abu Dhabi (UAE)
- Singapore
- Luanda (Angola)
- Macae (Brazil)
- Batam (Indonesia)
- Port Harcourt (Nigeria)

Flagship centre of excellence

Our unique facility in Aberdeen offers a real to life training experience for offshore crane operators with the opportunity to operate a Liebherr BOS 2600 pedestal crane mounted above a flooded quarry. A floating deck creates a challenging environment similar to offloading and backloading a supply vessel.

Crane simulators

Our simulators provide invaluable training on live and reactive equipment which is vital to enhance particular skills ahead of further workplace development.

The primary importance of a simulator is to test reactions to emergency situations. This is essential when preparing crane operators on how to respond quickly and effectively in the event of a crane malfunction offshore.

Main-frame simulators are available in Aberdeen and Houma, with portable simulator units located at our other centres. These are readily moveable to a client requested location anywhere in the world.
Parts supply

The supply and management of spare parts is a vital after sales service. We stock a large range of critical parts to ensure you have immediate access when you need it.

We are the Original Equipment Manufacturer (OEM) for a number of well known brands:

• American Aero; Titan; Houston Systems; Bucyrus Erie Marine Cranes; Energy Cranes (built 2003 to 2010); and Sparrows Group cranes (built 2010 to present)

• Baricon lay equipment

We also supply a variety of equipment from these well known and trusted suppliers:

• Stahl crane systems – hoists
• AADI-Mipeg load monitoring systems
• LSI monitoring systems
• Paccar Braden planetary gear winches
• Latchways PLC cable based fall arrest systems
• Reflex Marine – FROG marine personnel transfer capsule
• Outreach powered access tubular handling equipment
• Fluid power components - Bosch Rexroth; MP Filtri; Webtec

Our spare parts management service is an efficient and cost effective way of ensuring equipment is being changed out when required.
Our global network

Local knowledge, global network

Our network of offices and facilities allows us to provide a truly global integrated service.

Email us to understand more about any of our services.

01 United States
us@sparrowsgroup.com

02 Brazil
brazil@sparrowsgroup.com

03 Europe
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04 Africa
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05 Middle East
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06 Caspian
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07 India
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08 Asia Pacific
asiapacific@sparrowsgroup.com

09 Australia
australia@sparrowsgroup.com

1,700 people in
31 locations across
9 key areas
DELIVERY ASSURED

**Experienced specialists**
Decades of knowledge and skill with safety critical equipment

**Committed**
Actively committed to ensuring one high standard of HSEQ globally

**88%**
of our entire workforce have technical qualifications

**100%**
of our people are staff

**Unique**
Only company in the world to supply real life and simulator crane operator training

**Industry benchmark**
Our crane operator standard is recognised as industry best practice worldwide

**More than 98% equipment up-time**
Average % on our fully managed contracts

**Accreditation**
We have a professional accreditation route for ALL our disciplined engineers

www.sparrowsgroup.com