



AMERICAS

EUROPE

AFRICA

ASIA

Our management systems for our five main field office locations, in Houston, Aberdeen, Port of Spain, Cairo and Port Harcourt, are all ISO 9001 quality approved.

REEL is an active member of:

- International Association of Drilling Contractors (IADC)
- Lifting Equipment Engineers Association (LEEAA)
- Industrial Rope Access Trade Association (IRATA)
- Society of Professional Rope Access Technicians (SPRAT)
- Dropped Object Forum (DROPS)
- International Marine Contractors Association



INTRODUCTION

REEL WAS FORMED IN 1995 TO PROVIDE COMPREHENSIVE INSPECTION AND TESTING SERVICES, INCLUDING NON-DESTRUCTIVE TESTING, TO THE OIL AND GAS INDUSTRY.

WE HAVE SINCE BUILT AN EXEMPLARY REPUTATION AS AN INTERNATIONAL SERVICE COMPANY, WITH GLOBAL OPERATIONS FROM KEY INTERNATIONAL BUSINESS LOCATIONS IN THE AMERICAS, EUROPE, AFRICA AND ASIA.

EMPLOYING A HIGHLY-EFFECTIVE WORKFORCE OFFERING SPECIALIST SKILLS AND EXPERIENCE, OUR WORK IS PREDOMINANTLY FOR DRILLING CONTRACTORS AND OILFIELD SERVICE COMPANIES.

WE PROVIDE INSPECTION AND MAINTENANCE SERVICES AND SUPPORT TO THE OFFSHORE DRILLING INDUSTRY AND TO SUBSEA INTERVENTION DIVING CONTRACTORS WITHIN THE FOLLOWING EXTENSIVE DISCIPLINES:

- NDT INSPECTION
- RIG SURVEYS
- INSPECTION AND INDUSTRIAL ACCESS
- WIRE ROPE SALES AND SERVICE
- DIVING SERVICES

SINCE 2008 REEL HAS BEEN PART OF THE GLOBAL ENERGY GROUP, A DYNAMIC CONTRACTING AND SERVICE-BASED COMPANY SUPPORTING THE INTERNATIONAL ENERGY INDUSTRY AND OTHER INDUSTRIAL SECTORS.

REEL IS ACCREDITED TO AND MAINTAINS ISO 9001 QUALITY CERTIFICATION STANDARD, FROM ABS QUALITY EVALUATIONS INCORPORATED, AND IS APPROVED AS A SERVICE SUPPLIER BY BOTH ABS AND DNV.



FAROES **CASPIAN** **STAVANGER**
ABERDEEN **ROTTERDAM** **MUMBAI**
ST JOHNS **PORT SAID** **SINGAPORE** **VIETNAM**
HOUSTON **MALTA** **RED SEA** **THAILAND**
TRINIDAD **RIO** **LUANDA** **KOREA** **SYDNEY**
VICTORIA **CAPE TOWN** **MELBOURNE**





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REEL People

At REEL our people are the most important part of our business.

We encourage key members of staff to stay, grow and advance their careers with the company. In return REEL reaps the huge benefits of continuity and retention of the team's enviable depths of knowledge and experience.

As a company we are proud that many team members have achieved 10 and five-year loyalty awards.

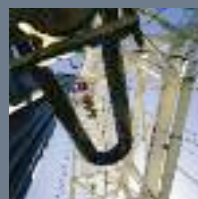
The REEL team members are genuine hands-on people, working in a truly hands-on business. This approach means we can confidently guarantee our customers the highest quality of service that is second to none. That commitment to excellence is exemplified by our field personnel, who, already renowned as among the very best in the business, are determined to remain better than the rest.

REEL Clients

REEL maintains strong, long-standing relationships with the majority of our customers and our highest priority is to continue to be their contractor of choice.

To ensure we stay in pole position we are committed to continuous improvement and the feedback we receive from all our customers is invaluable in this process.

We are justifiably proud of the exceptionally high level of positive feedback we get, some examples of which are shown on these pages.



REEL has already become a renowned international service company, with global operations from key international locations.

NDT – MPI and DPI Disciplines

REEL specialises in Non Destructive Testing (NDT) using the following disciplines:

Magnetic Particle Inspection (MPI)

MPI is a proven and reliable method of detecting even the smallest surface, or near-surface, flaws in ferrous materials.

The MPI inspection equipment establishes the magnetic field pattern of the material and pinpoints cracks by identifying any distortion in that field. Cracks cause leakage of magnetic flux in the vicinity of the flaw and the equipment identifies build-ups of very fine iron particles that gather at the location of the leakage, however small it may be.

Dye Penetrant Inspection (DPI)

DPI is a simple method of detecting surface-extruding flaws such as cracks or porosity. One step up from visual inspection, DPI offers advantages of large area coverage, speed and low cost.

Based on the principle that liquid is drawn into a surface-breaking crack by capillary action, dry powder developer is applied to the surface to draw out the liquid that has penetrated the crack and produce a surface indication.



NDT – Eddy Current and Ultrasonic Inspection

Eddy Current Inspection

Eddy Current Inspection is used to detect surface-exuding defects such as fatigue without having to remove protective coatings by grit blasting or needle gun. REEL has successfully applied this technique in the offshore industry worldwide over many years.

Ultrasonic Inspection

This effective method produces quick, highly sensitive results and can be used on most materials if sound transmission is good.

High frequency sound pulses are emitted from a transducer above a sample of the material.

The sound waves propagate through the sample, reflecting at interfaces and these reflected waves are monitored by a detector above the sample. The depth and type of flaws are ascertained using this method. The testing is carried out from one side of the sample only.



NDT – Hardness Testing and Visual Inspection

Hardness Testing

Hardness is affected by composition of material and weld metal, metallurgical effects of welding processes, heat treatment and other factors.

A vital part of the inspector's role is fully acquainting themselves with the limiting factors of various types of hardness machines. REEL inspectors use three portable hardness meters, all used for highly polished machined surfaces and providing highly accurate hardness readings.

Visual Inspection

Visual inspection – with or without visual aids – is the original and still highly effective method of NDT.

Many defects can be detected by careful direct visual inspection. Optical aids used include low-power magnifiers, microscopes and telescopes. Boroscopes, endoscopes and other fibre-optic devices are used for inspection of areas with restricted access. These devices can be used with television camera systems. High-speed visual inspection may be used for tubular components.



Providing comprehensive inspection and testing services, including non-destructive testing, to the oil and gas industry.

LOLER Lifting Equipment Inspection and Testing

These surveys provide an accurate register and database report system of all hoisting and lifting equipment onboard a drilling unit or marine vessel – from shackles and slings to lifeboats and offshore cranes.

All equipment is inspected to current, specific manufacturers' guidelines and to the relevant API, BS, Euro norms in conjunction with LOLER SI 2307/1998. After inspection all equipment is marked with a colour code indicating whether it is satisfactory or defective.

Each piece of equipment is entered into a database package, supplied by REEL, showing its identification number, description, safe working load, test certificate number and details of previous inspections. CD-ROMS are produced with a 'read and find' copy of the database, allowing customers to easily find the status of any piece of lifting equipment on the vessel.

Usually drilling tool surveys are combined with those for hoisting and lifting equipment, providing full inspection coverage of all such equipment onboard.

REEL has developed a full internet-based reporting system for our lifting equipment and drilling and hoisting tool survey work. This allows our clients full access to review the status of all equipment on their drilling rig or marine vessel.



An international service company,
with global operations from key
international business locations.





Hoisting, Handling and Rotary Drilling Tool Inspection

A full MPI and visual inspection is carried out on critical stress areas of all rotary drilling tools in accordance with API RP 8C, API RP 7G and DS1 Cat 5 requirements and recommendations.

Full inspection reports with a database are submitted at the completion of the survey, which aids tracking and use of the equipment.

Most REEL personnel are trained on the Varco Drilling Tool and Top Drive Inspection courses.

Drilling tool surveys are usually combined with hoisting and lifting equipment surveys, providing full coverage of all such equipment onboard.

Employing a highly-effective workforce offering specialist skills and experience.



Special Periodic Surveys (ABS, DNV, USCG)

REEL is approved by ABS and DNV as a service supplier for thickness gauging – a constituent of intermediate and renewal special periodic surveys.

We carry out all visual and NDT inspections on the critical joints, in accordance with the requirements of certifying authorities and customers. DNV has also approved all REEL NDT procedures for use in conjunction with such surveys.

Using NDT techniques such as eddy current inspection enables the detection of surface-exuding defects, such as fatigue, without removing protective coatings.



Our people are the most important part of our business.



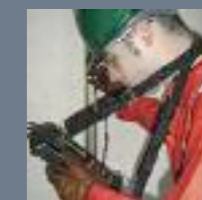
Wall Thickness and Corrosion Monitoring Services

REEL is approved by ABS and DNV as a service supplier for hull thickness gauging – a constituent of intermediate and renewal special periodic surveys.

In addition we carry out wall thickness and corrosion monitoring on both low and high pressure pipework systems, including:

- mud lines
- air lines
- ballast lines
- fire lines
- water lines
- choke and kill lines
- choke and kill manifold

Providing inspection and maintenance services and support to the offshore drilling industry.

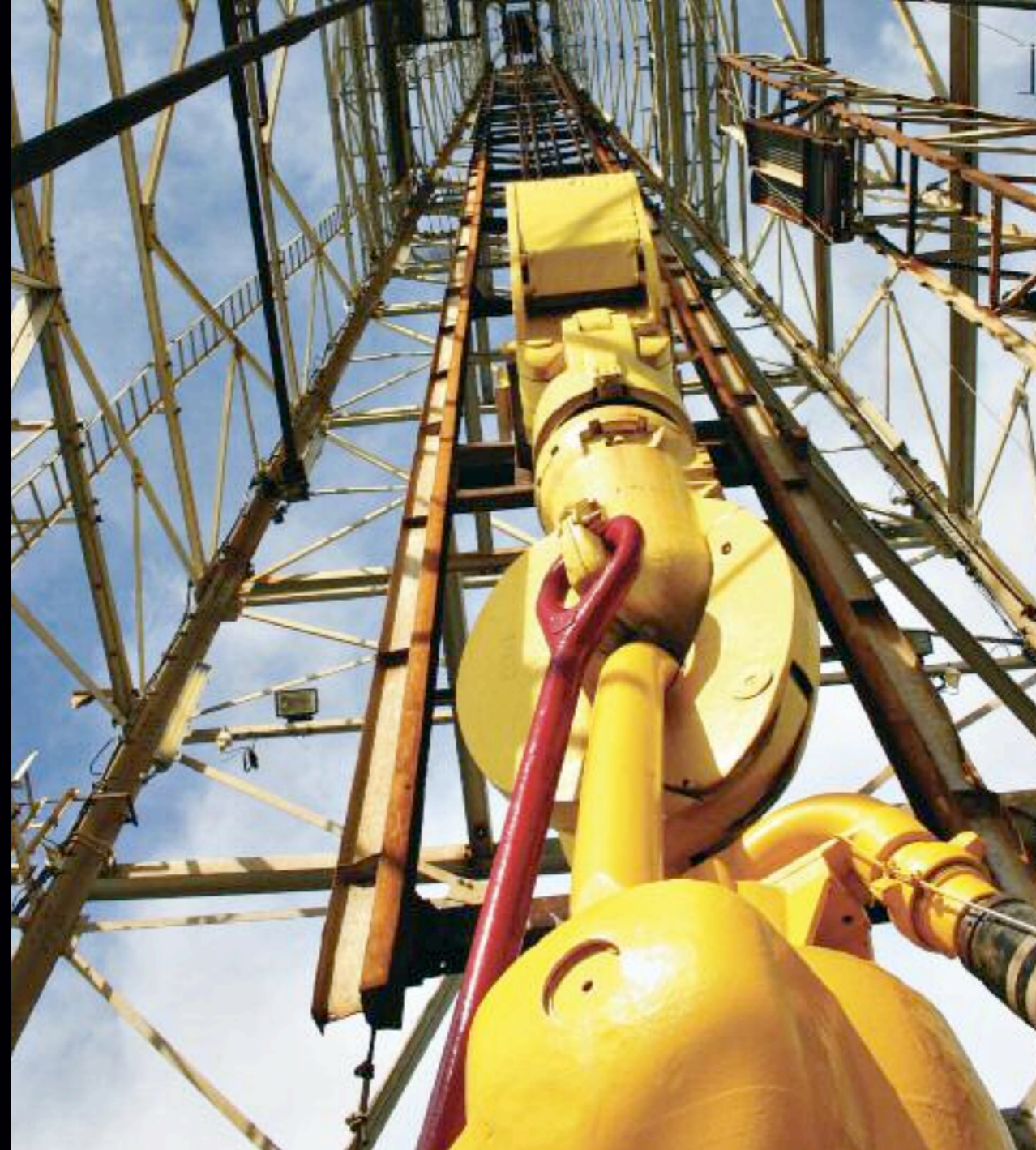


Drilling Derrick and Mast Inspection

REEL ensures that all sections of a derrick are systematically examined by dividing it into small, manageable areas for fully focused inspection.

We conduct the work using our rope access qualified inspectors to carry comprehensive close visual inspection of the derrick structure. The thorough inspection process covers:

- gin pole construction, including platforms, ladders, braces safety gates, connection plates, bolts and fasteners
- upper and lower sections of the derrick stem, including all platforms, ladders, braces safety gates, connection plates, bolts and fasteners
- dolly track, including all Y-frame support beams, beam clamps and joint couplings
- dolly carriage guide rails, including upper, middle and lower sections
- racking board area, including the support frames, fingers straightness, latches, fingerboard access and all bolts and fasteners
- racking system, including all racking board supports, platforms and system supports
- derrick outfittings, including wind walls and any pipework, such as vent lines or HP mud lines
- derrick safety slings and lifting equipment
- derrick structure footings
- derrick structural general condition
- percentage bolt tightness check – if required



DROPS Hazard Inspections

Objects falling from heights remain one of the most common causes of offshore accidents, despite the considerable effort the oil and gas industry has made to reduce the risks.

REEL can help prevent a potential dropped object becoming another unwelcome safety statistic by conducting a detailed dropped object survey of hazardous areas. We undertake a comprehensive sweep of each area to compile a detailed hazards inventory list, supplemented by photographs.

Any potential dropped objects are reported and, wherever possible, the risk is rectified at the time.

Rope Access Services

Rope access is now the recognised method of enabling personnel and equipment to manoeuvre into normally inaccessible areas.

It is a safe, reliable and cost-effective means to carry out tasks that would otherwise require scaffolding or a shipyard visit to complete.

Our rope access personnel work to IRATA and SPRAT guidelines and have a proven safe track record. The services we provide include:

- inspection
- blasting and painting
- welding
- steel work and fabrication
- electrical



Supplying comprehensive inspection, survey testing and diving services to the oil and gas industry.



Diving Services

We offer an extensive range of services, underpinned by our considerable experience and expertise in the sector. These include:

- surface supplied diving to 50m
- combined diving and rope access operations
- cofferdam design, fabrication and installation
- rig and ship surveys to ABS and DNV
- dry diving and specialist access operations
- cathodic protection engineering / surveys / installation
- offshore UWILD services
- subsea eddy current / ultrasonic and MPI inspection services



We can confidently guarantee our customers the highest quality of service that is second to none.

Electromagnetic Wire Rope Inspection

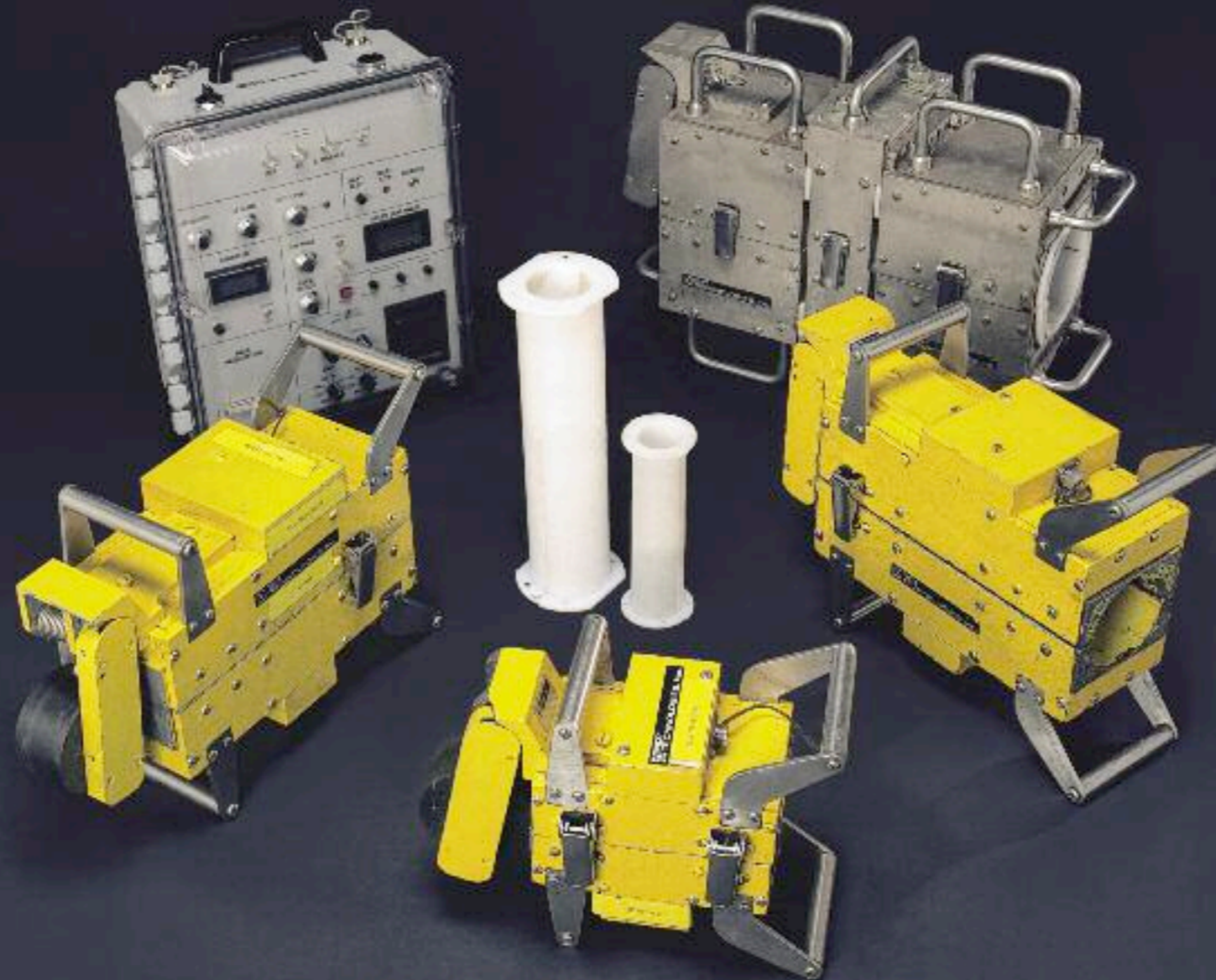
Much more dependable than visual inspection, electromagnetic inspection is a non-destructive, reliable evaluation procedure used for the in-service inspection of wire ropes.

Reliable and safe use of wire rope is crucial for onshore and offshore operations and is – or should be – a key priority for operators and safety authorities.

Appropriate rope inspection methods, discard criteria and maintenance procedures are available, but they are frequently not applied. Entire operations are jeopardised by an inexplicable reluctance to use correct wire rope safety procedures.

Traditional preventative maintenance and replacement schedules – if followed at all – are typically based on some form of in-service visual inspection – often combined with a large amount of guesswork.

Many ropes deteriorate internally, showing no external sign of their poor condition, and this has caused rope failures in the past. As a result wire ropes are often discarded long before the end of their useful service life. In fact tens of millions of dollars worth of expensive, perfectly serviceable wire rope is discarded annually. However, this wasteful and over-cautious approach does not guarantee wire rope safety.



Most wire ropes are covered in grease, which makes visual inspection – even for surface deterioration – impractical. Plastic coatings also preclude visual inspection for many ropes.

Given the replacement cost of ropes and equipment, together with the true cost of a rope failure, guessing the condition of wire ropes makes little economic sense.

Non-destructive methods, such as electromagnetic inspection, enable detection and evaluation of external and internal rope deterioration. This allows inspection through the entire cross-section of a rope to its core.

Electromagnetic inspection dramatically increases wire rope safety. At the same time it delivers significant annual cost savings.

REEL offers a complete line of electromagnetic (magnetic flux leakage) wire rope testers for ropes with diameters of up to 4 inches (120mm).

Wire Rope Services

REEL's wire rope service divisions offer a full range of services, from sales and management to maintenance and storage.

We have close working relationships with several of the world's leading wire rope manufacturers, who also utilise our services. This insight and knowledge of the make-up and manufacturing process is highly valuable to us in assisting our clients to overcome problems with in-service steel wire ropes.

We cover every service aspect required for this critical component. Our services include:

- visual inspection
- electromagnetic NDT inspection
- load testing
- destruct testing
- wire rope analysis
- termination
- spooling
- pressure lubrication
- storage



Spooling Services

REEL offers a fully comprehensive wire rope / cable system removal, installation, change-out and inspection service.

Our thorough and continuing market research and substantial investment ensures we have the very best equipment available to suit any work scope requirement.

REEL is committed to efficiently providing a quality service to the highest safety standards, working practices and procedures. Our team of experienced personnel is highly trained in the methods and procedures for handling, installation and removal of wire rope and cable systems.

Our constant tension units enable wire ropes to be fitted correctly, resulting in the best performance and maximum achievable service life.

With our series of high-specification spooling equipment and services and our industry experience we can provide clients with the best advice and adopt a system or work scope to suit their specific requirements.

Our spooling machines can be rapidly mobilised at short notice and taken to where our clients are working. Our personnel are available to respond to clients' needs on a 24 / 7 basis.

SeaOcean – Product Sales

Introduction

SeaOcean are a supplier of all types of fibre and steel wire ropes plus associated fittings and services for commercial marine and offshore industries. SeaOcean operates from a combined office & warehouse facility located in Aberdeen, Scotland and is specially focused on high performance products for lifting, mooring and towing applications and for all manner of mechanical handling applications.

Markets

Our key markets may be categorised as the offshore oil & gas industry, merchant shipping in all its many guises, port or marine terminal operations and, finally, marine renewable energy with the common link between all of these being their typically international dimension plus, of course, a significant dependence on our product lines in day to day operations and for specific projects.

Speciality Products

SeaOcean attaches importance to the development of what might be termed specialist products in order to fulfil certain functions or to create added value for our customers.



Terminations

SeaOcean can provide all the necessary resources for the successful termination of both fibre & steel wire rope products with a large variety of fittings, either in a workshop environment or on site, and in most sizes.

Analysis

SeaOcean is particularly adept at providing guidance as to rope selection for those applications requiring a higher than usual degree of technical input and know how. System and rope parameters can be assessed and harmonized providing for safe and efficient operation.

Partners

SeaOcean currently has three principal business partners from whom we obtain the bulk of the product or, indeed, services we are supplying to our customers.

These partners are ScanRope Marine AS, Parker Scanrope AS & Teufelberger Seil GmbH.



The Global Energy Group

About the Global Energy Group

Formed in 2005, with main offices in Aberdeen and Inverness, the Global Energy Group is a contracting and service-based company supporting the international energy industry and other industrial sectors through turnkey project solutions and stand-alone services.

Encompassing 10 companies, the group's principal activities are: engineering; fabrication; rig repair and inspection; resource management; supply chain solutions and; pipeline services.

Our business units are run by highly qualified and experienced people who appreciate and understand the needs of our clients. We are known for our innovative approach to providing quality solutions in all areas of our work and the success of our business is based on the high quality of people we have working for us.



REEL is part of the Global Energy Group, a dynamic contracting and service-based company supporting the international energy industry and other industrial sectors.

Core Values

People

Global's people make our success possible

- We will provide a secure, safe and challenging environment, promote a positive attitude and encourage personal development
- We will create a culture centred on care, respect and reward

Integrity

Global's integrity is not negotiable

- We will maintain the highest moral and ethical standards
- We will honour our commitments and reflect respect and trust in all relationships

Quality

Global's quality is assured by performance excellence

- We aim to deliver above our clients' expectations
- We will research and develop innovative solutions to remain best in class

...working together for success

reelgroup.com

