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Leaders in foundation and structural grouting
for the global offshore energy industry



SUBSEA AND OFFSHORE GROUTING FOR THE GLOBAL ENERGY CONSTRUCTION INDUSTRY

Trusted

We continue to be the preferred global grouting partner for offshore energy construction, and the provider of life extension solutions for offshore assets.

Proven

Since 1966, we have safely and successfully delivered more grouted connections than any other offshore grouting contractor, from the Gulf of Mexico to the Gulf of Thailand.

Reliable


Working with strategic partners, you can be sure that your project is in safe hands with our unmatched engineering resource, dedication to innovation, and attention to detail.

Safe

We fully understand the importance of project and contingency planning and are DNV accredited for Quality Management (ISO 9001) and Health and Safety (OHSAS 18001).

You can trust that we have implemented the necessary internal processes to meet the rigorous requirements demanded by the offshore industry.

www.foundocean.com

A large offshore oil rig is shown at sea during sunset. The rig is a complex structure with multiple levels, cranes, and a central derrick. The sky is filled with soft, orange and yellow clouds, and the sun is low on the horizon, creating a warm glow. The rig's lights are on, and the water reflects the light from the sky and the rig itself. The rig is supported by a network of steel legs and bracing.

Our clients include the biggest names in the global energy industry

Aker Solutions • BG Group • Bibby Offshore • BP • Cal Dive • Canadian Natural Resources •
Chevron • DeepOcean • GeoSea • Heerema Marine Contractors • Hyundai Heavy Industries •
Larsen & Toubro • McDermott • Oceaneering • Punj Lloyd • RWE Innogy • Saipem • Seaway Heavy
Lifting • Scaldis Salvage and Marine • Shell • Subsea 7 • Swiber • Talisman Energy • Technip • TL
Offshore • Valentine Maritime • Wood Group

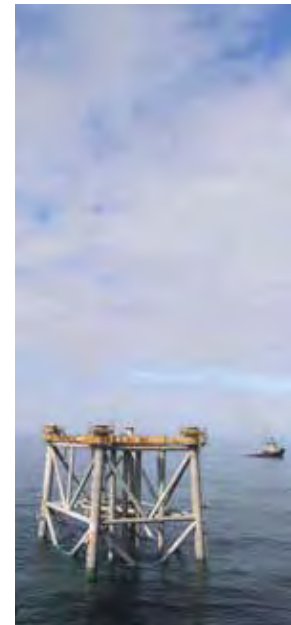
OIL AND GAS INDUSTRY

We have led pioneering innovations and set records in our pursuit of becoming the leading global energy-focused offshore grouting contractor. We grouted the world's first free-standing compliant tower, secured the North Rankin B jacket for the world's largest topside, and hold the record for the deepest deployed fabric formwork.

Working hand-in-hand with our strategic partners, you can be certain that our unmatched engineering expertise and attention to detail will ensure that your offshore project completes safely and on schedule.



© FoundOcean 2013 - Cluster 7 Wellhead Platform



© FoundOcean 2013 - Clair Ridge



© Heerema 2010 - North Rankin B Platform

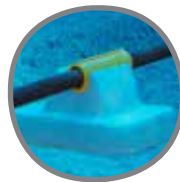
Challenging seabed conditions

Project Troll A Pipeline
Operator Statoil
Client Subsea 7
Service Freespan Correction



World's deepest fabric formwork deployment (5,000ft)

Project Liwan Pipeline
Operator ONGC
Client Saipem
Service Freespan Correction



Large-scale dual platforms

Project Clair Ridge WHPs
Operator BP
Client Heerema
Service Foundation Grouting



Land-locked platform

Project West Chirag WHP
Operator BP
Client Saipem
Service Foundation Grouting



Time-critical pipeline repair

Project BP CATS Pipeline
Operator BP
Client Technip
Service Pipeline Clamp



World's largest steel offshore platform

Project Bullwinkle
Operator Shell
Client Heerema
Service Foundation Grouting



Major field expansion & development

Project Mumbai High South WHPs
Operator ONGC
Client Heerema
Service Pile Grouting



Large-scale dual platforms

Project Perigrino WHPs
Operator Statoil
Client Heerema
Service Foundation Grouting



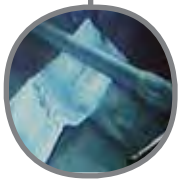
World's largest topside

Project North Rankin B WHP
Operator Woodside
Client Heerema
Service Pile Grouting



Deep water pipeline separation (2,500ft)

Project Perdido Norte Pipeline
Operator Williams
Client Saipem
Service Pipeline separation



First Compliant Tower outside the Gulf of Mexico

Project Benguela-Belize Compliant Tower
Operator Cabinda Gulf Oil Co. Ltd.
Client Heerema
Service Foundation Grouting



OFFSHORE RENEWABLES INDUSTRY

Europe continues to lead the offshore wind market, and so do we: From the world's first jacket-based wind farm, and Samsung's 7MW turbine, to our high-output grout mixers which have helped set records for super fast installations for wind foundations.

Our 50 years of offshore experience and reputation for excellence makes us the natural, risk-free choice for your wind farm installation. Working with strategic partners and suppliers, we offer the latest range of cementitious materials for offshore wind farm installation grouting.



© C-Power 2013 - Thornton Bank Offshore Wind Farm



© FoundOcean 2011 - Thornton Bank Offshore Wind Farm



© FoundOcean 2013 - West of Duddon Sands Offshore Wind Farm

Project West of Duddon Sands
Operator DONG energy
Client Offshore Wind Force
Foundation 108 monopiles



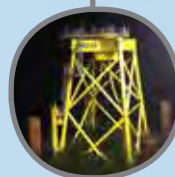
Project Energy Park Fife 7MW Samsung Turbine
Operator Samsung
Client Graham Construction
Foundation 1 jacket



Project Humber Gateway
Operator E.ON
Client E.ON
Foundation 73 monopiles



Project Belwind 6WM Demo Turbine
Operator Alstom Wind
Client Alstom Wind
Foundation 1 jacket



Project Nordsee Ost
Operator RWE Innogy
Client RWE Innogy
Foundation 48 turbine jackets & 1 substation



Project Gwynt y Môr
Operator RWE Innogy
Client RWE Innogy
Foundation 160 Monopiles



Project Trianel Wind Farm Borkum
Operator Trianel
Clients SHL & Trianel
Foundation 40 tripod jackets



Project Thornton Bank Phases II & III
Operator C-Power
Client Geosea
Foundation 48 turbine jackets & 1 substation



Project Ormonde
Operator Vattenfall
Client Scaldis
Foundation 30 turbine jackets & 1 substation

INNOV



1966

FoundOcean (then Wimpey Laboratories) develops the process of offshore grouting



1973

FoundOcean designs its unique Recirculating Jet Mixer for high-output offshore grouting



1976

FoundOcean develops and installs a grouted repair clamp, helping extend the life of BP's West Sole platform



1988

FoundOcean develops the ROV Grout Connector, negating the requirement for fixed pipework on foundations



2008

FoundOcean sets a record, deploying a series of freespan correction formworks at a water depth of 4,000ft

1966

ATION



2010

FoundOcean grouts the foundations at Ormonde, the world's first commercial wind farm to use jackets



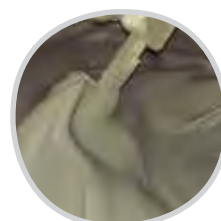
2011

FoundOcean is appointed Primary Licensed Applicator for DNV-certified BASF Masterflow® 9500 ExagROUT



2012

FoundOcean revolutionizes ultra high strength grouting with the introduction of its new high-output Super Pan Mixer



2013

FoundOcean formulates an 12,000psi standard cement grout for an oil & gas jacket installation in Asia



2013

FoundOcean uses its custom engineered fabric formworks and pile grouting experience to help salvage the Costa Concordia

2013 →

FOUNDATION GROUTING

We have delivered more than 4,500 grouted connections for many of the world's well-known oil and gas platforms and offshore renewables foundations, in regions including:

- Europe
- Middle East
- South East Asia and India
- Australia
- North, Central, and Southern America

We gained our industry-leading expertise through our unmatched engineering resource, dedication to innovation, and attention to detail.

Our range of foundation grouting services includes:

- Pile grouting
- Monopile transition piece grouting
- Pressure grouting
- Rock socket grouting
- Suction bucket grouting
- Underbase grouting



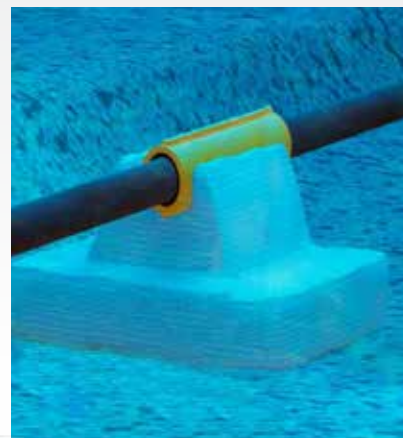
© FoundOcean 2013 - Irinel Windpark Borkum

FABRIC FORMWORKS

Through our joint venture fabrication facility in India, we design and manufacture an extensive catalogue of custom and standard shape, size and volume fabric formwork grout bags.

These are installed by ROV or divers, and have been deployed for both pipelines and cables, offering a range of solutions including:

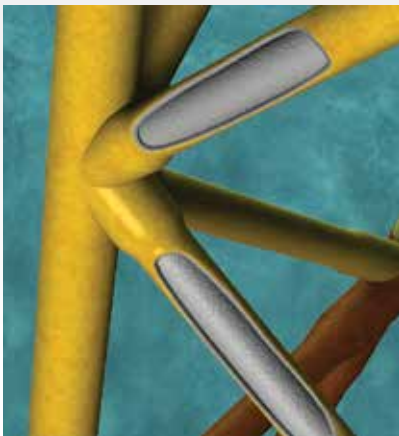
- Stabilization
- Support
- Separation
- Protection
- Scour prevention and rectification



LIFE EXTENSION SOLUTIONS

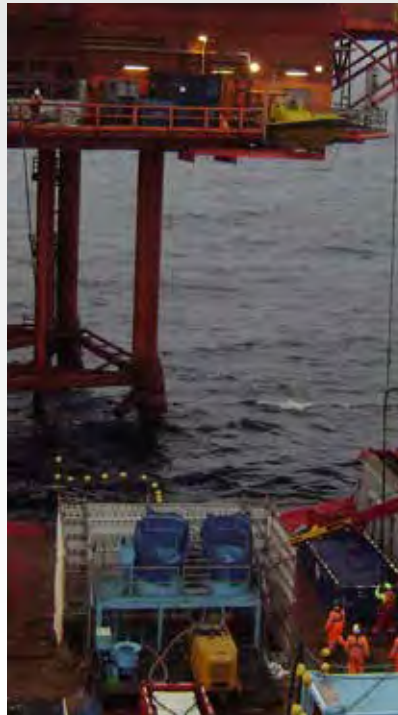
Structural strengthening, modification and repair (SMR) to existing jacket structures can be required for various reasons including remedial action resulting from routine inspection, mechanical damage, design/fabrication defect, provision of additional conductors, or life extension.

We have worked with the offshore construction sector to design, develop, and deliver the technology to provide cost-effective strengthening, repair and modification solutions to ageing or damaged assets.



Our range of life extension solutions includes:

- Foundation strengthening
- Foundation stabilization
- Repair clamps
- Freespan correction
- Scour rectification
- Marine growth prevention



© FoundOcean 2010 - BP Valhall Platform Repairs

FOUND OCEAN ENGINEERING

In addition to this, we offer a turnkey solution that addresses the growing needs of the global SMR market. This includes structural analysis and the design, fabrication, and installation of the solution.

Our engineering team has in-depth knowledge of structural behaviour and is fully cognisant of the merits of a diverse range of strengthening and repair techniques.

We have a demonstrable record of designs for grouted, mechanical, and neoprene-lined repair clamps; repair sleeves; and member and joint grout filling as well as other repair technologies.



© FoundOcean/Seamark Systems 1997 - Mast Tower

SPECIAL PROJECTS

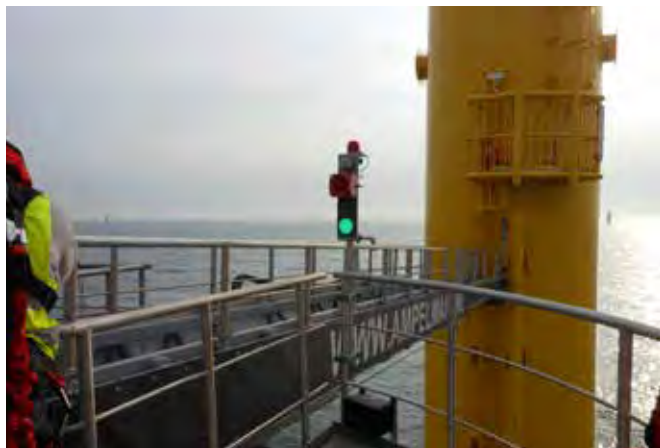
We have consulted on and undertaken a number of custom projects globally which have called upon our engineering expertise. We have applied our grouted solutions to a range of projects including repairing a palace sea-wall in the Middle East, building the formwork bank to stabilize the Costa Concordia, and protecting the Haenam to Chesu power cable with a continuous formwork.

Although not always energy-industry related, we approach these special projects in the same way: meticulous planning, continuous communication, and vigorous attention to detail.



All images © FoundOcean 2013 - Costa Concordia Salvage Operation

HEALTH AND SAFETY



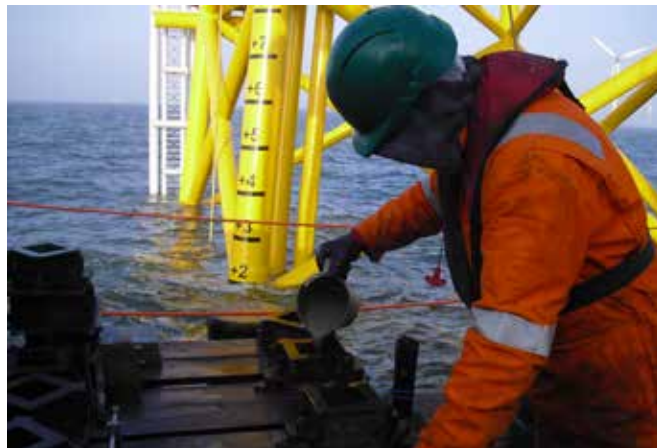
© FoundOcean 2013 - Trianel Wind Farm Borkum

We are committed to maintaining a conscious culture towards health, safety and the environment. We apply this to all our activities both onshore and offshore to prevent harm to people and the environment they work in.

We work to continually identify and eliminate any foreseeable hazards and minimize the probability of incidents resulting in personal injuries, illnesses, damage to property, and the environment.

Our incident and injury free strategy is built around a multi-layered learning and development programme, embedded employee wellbeing culture, and focusing on building a sustainable business for the future.

QUALITY ASSURANCE



© FoundOcean 2010 - Thornton Bank Offshore Wind Farm

We have been DNV-accredited to ISO 9001 Quality Assurance standards since 2006.

We undertake extensive grout testing procedures to guarantee the quality of the material that we mix and pump, during both offshore projects and onshore trials.

By standardizing our processes, we manage our work more efficiently and reduce project risks.

Regular audits help us to continually adjust and improve our approach.



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Offshore Service Bases

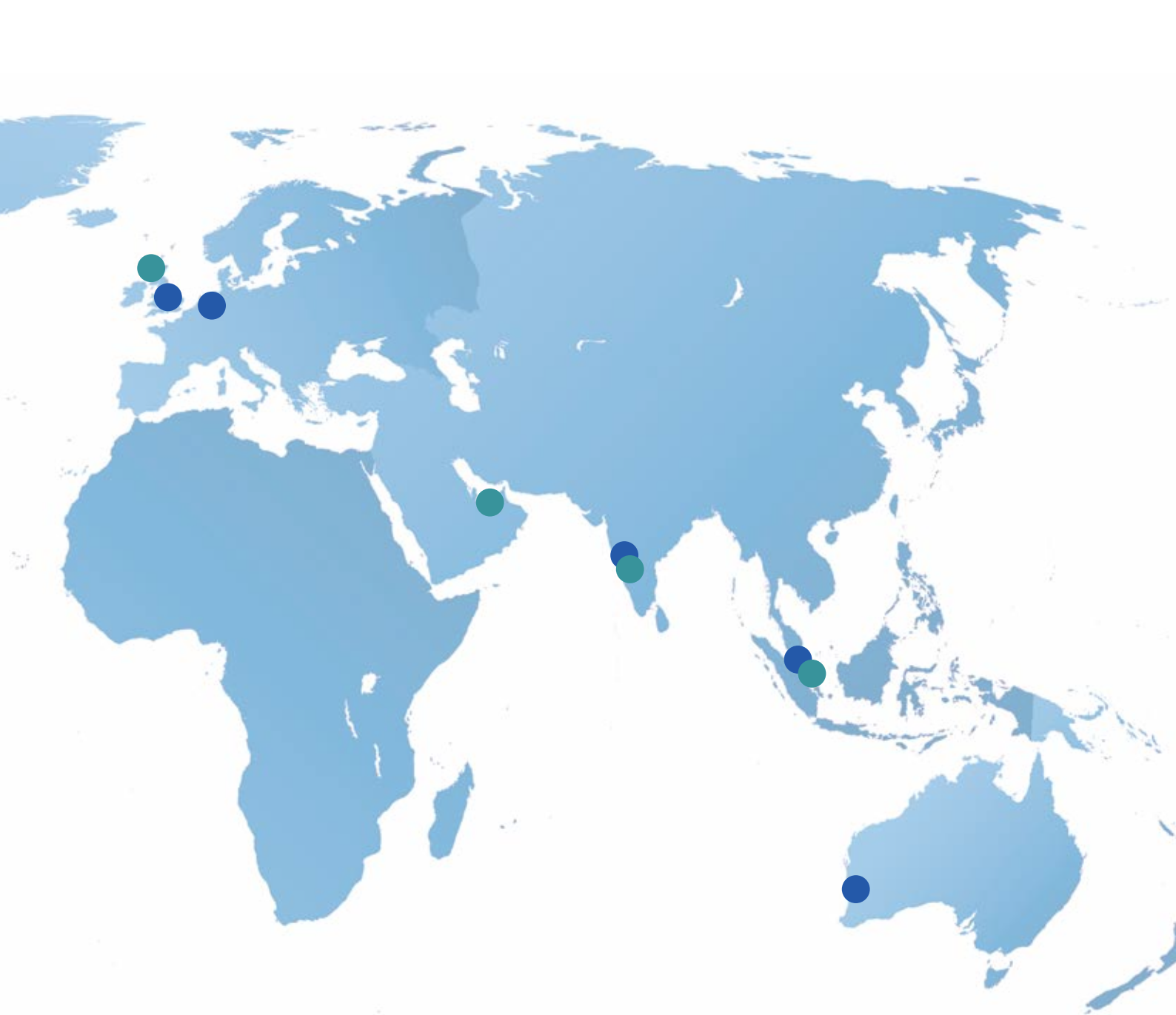
Europe Livingston, Scotland

Middle East Sharjah United Arab Emirates

South East Asia Batam, Indonesia and Navi Mumbai, India

Americas Houston, Texas





- Global Sales Office
- Offshore Service Base

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