A Guide to UK Subsea Capability for the Oil and Gas Industry
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Note: The list above is a representation of the companies featured in the directory, organized alphabetically by company name. The page numbers indicate the range of pages where each company's entry can be found.
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Introduction – Subsea UK

Since the discovery of oil in the UK Continental Shelf (UKCS) forty years ago, British subsea expertise and technology have been a fundamental part of extracting hydrocarbons from offshore oil and gas fields. In 1974 the first oil in the North Sea was produced thanks to subsea wells and flowlines. The province became the largest market for subsea production with rapid technological developments necessary to keep pace with the oil boom. This pioneering activity in the North Sea where the first subsea technologies, processes and systems were tested, has formed the foundation for a burgeoning industry in the UK whose skills and know-how are sought after around the world.

From the early days operating at relatively shallow depths of tens of metres, underwater technology has developed to the point that it can now operate at depths of several thousand metres in some of the harshest environments across the globe. Due to the changing nature of the work undertaken in the North Sea, the UK subsea industry has become renowned for its ability to adapt to meet new challenges. By continually innovating, the sector has gained an unrivalled reputation as a world-leader in subsea engineering, technology, skills and services.

Much of the technology and skills still deployed today have their roots in the North Sea, and more specifically, Aberdeen. The region is home to one of the largest centres of subsea excellence in the world. This is reflected in the number of global companies choosing to headquarter their operations in the north-east of Scotland. While the North Sea may have been the test bed for subsea technology and continues to offer potential for further exploitation, much of the growth for these companies now lies in international waters.
Subsea technology is vital to offshore production, unlocking harder to reach, deeper reserves and improving the economics of marginal fields in shallow waters with tie-backs of small reservoirs into existing facilities.

With more challenging reservoirs, often at depths of up to 3000m below the surface, subsea technology including Autonomous Underwater Vehicles (AUVs) and Remotely Operated Vehicles (ROVs) are being deployed regularly. In fact, over 50% of all commercial ROVs used globally are designed and manufactured in Britain.

There is now a complex array of subsea infrastructure criss-crossing sea beds from the North Sea to the Gulf of Mexico and offshore Brazil, Africa and Australia. As capital expenditure in new subsea pipelines and hardware increases dramatically, so too does operational spend and the need to repair and maintain equipment. It is therefore no surprise that inspection, repair and maintenance is now a rapidly growing niche within the subsea industry and an area in which the UK excels.

Over $135 billion of spend in subsea hardware is anticipated in the next five years with pipelines accounting for half of this forecast expenditure. Major pipeline projects are due in Eastern Europe, the Former Soviet Union, Asia and the Middle-east. Spend on subsea production hardware, subsea umbilicals, risers and flowlines as well as subsea processing driven by the deepwater regions will also rise.

Subsea design and manufacture isn’t limited to the traditional hardware of flowlines, risers, ROVs and umbilicals however. The UK has established a number of centres of excellence tasked with developing a range of sophisticated tools and materials, from specialist metals and high-tech underwater electronics, to cameras, sonars and sensors.

With almost a half of the global marketshare, the UK sector continues to enjoy healthy overseas sales. UK exports are valued at $7 billion, equivalent to 43% of the total value of the industry. Engineering and manufacturing companies generate just over 25%, while service providers account for 26% of these revenues. Exports extend further than simply goods; where there are gaps in local knowledge, British subsea expertise and know-how have been called upon across the globe using one of its key strengths – an inter-connected supply chain. As overseas markets look to replicate this model, the British subsea industry continues to lead the way.

With over 750 companies forming the subsea supply chain, supporting in excess of 66,000 jobs and generating revenues of $14.5 billion, the British subsea industry is unparalleled. This directory provides details of a number of those companies, from niche enterprises to industry heavy-weights, they exemplify the very best of the sector.

If you would like to know more about the UK subsea sector, please make use of the contacts on pages 10-65.

UKTI and Subsea UK are able to help you identify and make contact with companies who have the relevant subsea expertise, technology, products and services you require.
About this guide

This guide has been produced by UK Trade & Investment with the assistance of Subsea UK. It provides information on the capabilities of many of the UK companies involved in the subsea oil and gas sector.

Among the full spectrum of subsea capabilities featured are:

- Subsea engineering
- Equipment manufacturers
- Inspection/testing
- Software modelling and simulation
- Pipeline integrity
- Training
- Project and asset management
- Subsea communication and control
- Diving and ROV services
- Subsea construction

Organisations are listed in alphabetical order by name, including their website and contact details (where these have been provided), followed by summarised information on the services provided.

Short example case studies have been used to illustrate a range of capabilities – these case studies have been provided by the companies themselves.

A matrix of key services and products provided by the companies listed in this guide can be found on pages 66-75.

Whilst every care has been taken in compiling the information in this guide, UK Trade & Investment (UKTI) and Subsea UK cannot be held liable for mistakes or omissions. Inclusion of any organisation in this guide does not constitute approval or endorsement by UKTI or Subsea UK in any way. The information on specific organisations was provided by the companies themselves and therefore the opinions and ideas expressed do not necessarily reflect those of UK Trade & Investment or Subsea UK.
UK Trade & Investment overview

UK Trade & Investment is the Government Department that helps UK-based companies succeed in the global economy. We also help overseas companies bring their high-quality investment to the UK’s dynamic economy, acknowledged as Europe’s best place from which to succeed in global business.

UK Trade & Investment offers expertise and contacts through its extensive network of specialists in the UK and in British embassies and other diplomatic offices around the world.

We provide companies with the tools they require to be competitive on the world stage.

Here’s an overview of how UK Trade & Investment can help foster growth:

**Exporting**
- Support to build export capability, with a range of services to assist both experienced exporters and those exporting for the first time.
- If you’re a new or relatively inexperienced export SME and would like expert, first-hand support you’ll benefit from our **Passport to Export** programme. Providing all the tools exporting companies need to grow their business, the programme includes advice from an International Trade Adviser to help develop an export strategy and identify gaps in international trade skills. 12 month’s face-to-face interactive training is provided, together with access to key overseas markets and introductions to networking and tradeshow opportunities.
- If you’re already exporting and looking to diversify into new international markets, you’ll benefit from our **Gateway to Global Growth** programme. Providing a 12 month programme of support with access to an experienced International Trade Adviser, you will receive guidance on an action plan tailored to your business needs, together with advice, assistance and training to improve your export capabilities.
- UKTI also operates a range of other services including a Mid-sized Business Programme, an Overseas Marketing Introduction Service and a free Business Opportunities service that provides tailored monthly email updates featuring business and event leads.

**Invest in the UK**
UKTI provides impartial advice on where and how to set up a business in the UK including:

- In-depth, tailored information, including advice on financing, recruitment and activities such as R&D, tax, human capital and visas.
- Access, through the UK Advisory Network, to lists of professional service organisations, such as accountants, lawyers and banks, that can support your move to the UK.
- Encouragement for partnerships through our portfolio of services and practical help in the field, including visits to suitable locations, finding business partners and accessing financial incentives.
- A first-class aftercare service, offering investors an opportunity to raise questions and issues about their investment in the UK.

For further information please visit us at www.ukti.gov.uk

Image left © Canyon Offshore
Image right © Subsea 7
Selected Trade Associations and Business Support Organisations

Subsea UK

26 Abercrombie Court, Arnhall Business Park, Westhill, Aberdeen AB32 6FE
T +44 (0)845 505 3535
E admin@subseauk.com
www.subseauk.com

Subsea UK is the champion for the UK subsea industry. We act for the entire supply chain bringing together operators, contractors, suppliers and people in the industry.

With over 53,000 employees, worth £8.9 billion in services and products and with over 750 companies, the UK subsea industry sector leads the world in experience, innovation and technology. The UK will maintain a leading technological edge by sustaining and expanding this important business sector.

Whether you are a company looking to join and reap the benefits or an individual looking to develop your career in the subsea industry, explore our website or contact us to find out how Subsea UK can help you, your business and your industry.

Aberdeen Council

Woodhill House, Westburn Road
Aberdeen AB16 5GB
Alistair C Reid
T +44 (0)7917 067041
E alistair.c.reid@aberdeenshire.gov.uk
www.aberdeenshire.gov.uk

With a high quality of life, a global centre of excellence in subsea engineering in Westhill, the area’s main deepwater port at Peterhead and all part of the supply chain in residence, Aberdeenshire is the place to be. Aberdeenshire Council’s Business Development Executives, industry specialists and support staff are available to provide advice and information on a range of topics regarding all aspects of business and trade development.

Decom North Sea

33 Albyn Place, Aberdeen AB10 1YL
T +44 (0)1224 452170
E shillyear@decomnorthsea.com
www.decomnorthsea.com

Decom North Sea is an industry forum set up to maximise the business opportunities presented by North Sea decommissioning. The main objective of the forum is to deliver practical industry support to improve knowledge transfer and stimulate collaborative activities across the North Sea supply chain.
We are working with the North Sea supply chain to create and sustain jobs and prosperity.

We are working with the operators providing reliable, safe and cost-effective solutions to decommissioning challenges.

The EIC

89 Embankment
London SE1 7TP
Darren Jones
T +44 (0)20 7091 8631
E darren.jones@the-eic.com
www.the-eic.com

The EIC is the leading trade association providing dedicated services to help members understand, identify and pursue business opportunities globally. Established in 1943, the EIC is a not-for-profit organisation with a large membership of UK-registered companies who deliver goods and services to the energy industries worldwide.

The EIC’s membership operates across the oil & gas, subsea and power industries, collectively employing over a million people and generating over £100 billion in revenues out of their UK-based operations.

Headquartered in London, the EIC has a global network of offices, from regional UK offices in Billingham and Aberdeen, to international offices in Rio de Janeiro, Houston, Dubai, Singapore and Beijing.

Whether providing unrivalled business intelligence, putting our members in front of key decision makers around the globe or delivering a range of professional training services the EIC can give you the competitive edge.

Oil & Gas UK

London office: 6th Floor East
Portland House, Bressenden Place
London SW1E 5BH
Aberdeen office: The Exchange 2
62 Market Street, Aberdeen AB11 5PJ
T +44 (0)20 7802 2400
E info@oilandgasuk.co.uk
www.oilandgasuk.co.uk

Oil & Gas UK is the leading representative body for the UK offshore oil and gas industry, with over 400 member companies. Membership is open to all companies active in the UK continental shelf, from super majors to large contractor businesses and from independent oil companies to SMEs working in the supply chain.

Its aim is to strengthen the long-term health of the offshore oil and gas industry in the United Kingdom by working closely with companies across the sector, governments and all other stakeholders.
A Guide to UK Subsea Capability
for the Oil and Gas Industry

© Technip
The global subsea sector has grown since 2010 and is forecast to double again by 2017. Deepwater developments in West Africa, Brazil and the Gulf of Mexico are expected to drive this expenditure increase.

Source: 2013 Subsea Business Activity Review, Subsea UK
Directory of UK subsea companies

2H Offshore

Sharan Chana
T +44 (0)1483 774 900
4th & 5th Floors
Hollywood House
Church Street East
Woking, Surrey
GU21 6HJ
www.2hoffshore.com

2H Offshore is a global engineering contractor specialising in the design, structural analysis and integrity management of riser and conductor systems used in the drilling and production of offshore oil and gas. Our capability and experience covers all types of risers, from shallow water fixed platform conductors, to drilling and production risers used in ultra-deep water.

3Ks Engineering Company Ltd

Rob Griffiths
T +44 (0)1554 750501
E rob.griffiths@3ksengineering.com

Embankment Road
Machynys, Llanelli
Carmarthenshire
Wales SA15 2DN
www.3ksengineering.com

Large fabrications & heavy machining, specialising in the oil & gas market sectors.

3M

Sean Appleton
3M Centre, Cain Road
Bracknell, Berkshire RG12 8HT
www.3moilandgas.co.uk

3M supplies thousands of products to the global oil and gas industry and its applications. From everyday essentials such as respirators, abrasives and electrical connectors to advanced materials for preventing corrosion and reducing the density of downhole cements. 3M technologies offer you a wealth of ingenious solutions to many of today’s toughest challenges.

ACE Technologies (UK) Ltd

Benjamin Adesola
T +44 (0)1908 520351
1 Hartdames Shenley Brook End
Milton Keynes MK5 7HP

Project management services, project control, project planning, cost estimating, cost engineering, project evaluation review.

ADIL

James Paton
T +44 (0)1224 659900
3 Rubislaw Terrace
Aberdeen AB10 1XE
www.assetdev.com
ADIL is an independent consultancy providing state of the art project management support to the energy industry. With an unrivalled capability and knowledge, we maximise value for our clients by managing risk, solving problems and taking full ownership of project delivery. We pride ourselves in managing our clients’ assets as if they were our own. Our services include: project and developments consultancy; operations and performance improvement; supply chain consultancy; HSE consultancy; business products; and underwater consultancy services.

**AGR Facilities Solutions AS**

Inge Holm  
**T** +47 97 40 07 99  
**E** inge.holm@agr-ps.com  
3rd Floor, Union Plaza  
1 Union Wynd  
Aberdeen AB10 1SL  
www.agr.com

AGR's Facilities Solutions provides Integrated Field Development with a multi-discipline approach, driven by an experienced and dedicated team. The division is part of AGR, a global oil service company delivering well, reservoir and facilities engineering services in addition to consultancy manpower, software and tailored training. Facilities Solutions unrivalled project execution optimises field development solutions.

**Albex Engineering Ltd**

Mark TC Worlsey  
**T** +44 (0)1467 681622  
**E** markworsley.albexengineering@hotmail.com  
C/o Hillhead of Pitbee Farm  
Chapel of Garioch, Inverurie  
Aberdeenshire AB51 5HH

Subsea engineering, modelling and consultancy. Provision of subsea expertise in field development, architectural modelling, and general subsea engineering consultancy. Equipment specification, qualification testing definition, technical and commercial risk assessment and management, technical reviews, and training.

**Allspeeds Ltd**

Daniel Hill  
**T** +44 (0)1254 615100  
**E** daniel.hill@allspeeds.co.uk  
Royal Works, Atlas Street  
BB5 5LW  
www.allspeeds.co.uk

Allspeeds Ltd, based in the UK, provide engineering solutions and manufactures hydraulic equipment and tools for a diverse range of industries including the military, aviation, rail, bridging, construction, oil and gas, subsea and nuclear. We can provide bespoke tooling to fit around your needs and we can be fully flexible to give customers exactly what they need.

**Alnmaritec Ltd**

Martin Robertson  
Wimbourne Quay  
NE24 1PX  
www.alnmaritec.co.uk

Alnmaritec is a modern and innovative boatbuilding company which prides itself in providing practical, cost-effective and original solutions for commercial workboat applications. The company develops customised designs for an extensive variety of industries and applications, dive support, survey and hose & line handling.

**Ambix NDT Ltd**

James Rand  
**T** +44 (0)151 222 0557  
**E** info@ambixndt.com  
51 Greenhey Place  
WN8 9SA  
www.ambixndt.com

Ambix NDT is a non destructive testing, inspection, quality control and quality assurance company based in the North West of England working across a range of industry sectors, specialising in non destructive testing of welded fabrications for the subsea oil and gas, nuclear, marine and structural engineering sectors. We provide ISO 9712 compliant NDT technicians qualified to at least PCN Level 2 in MPI, DPI, UT and Visual Testing.
Applied Acoustic Engineering Ltd

Gavin Willoughby
T +44 (0)1493 440355
Marine House, Marine Park
Gapton Hall Road
Great Yarmouth NR31 0NB
www.appliedacoustics.com

Designer and manufacturer of acoustic systems for positioning and tracking of underwater equipment and moving targets, and marine seismic survey equipment for seabed, sub-bottom, profiling. Products are in use across the world by energy companies (oil, gas and renewable), government agencies, and academic research institutions all of which are supported by a network of overseas agents and service centres for technical advice and training. The company is a winner of The Queen’s Award for International Trade and will be celebrating 25 years’ manufacturing subsea innovative products in 2014.

AS Mosley & Co Ltd

Andrew Mosley
T +44 (0)1464 851144
E andrew@asmosley.com
Petmathen Laundry Cottage
AB52 6RU
www.asmosley.com

AS Mosley is a growing engineering analysis consultancy specialising in subsea design and analysis for the oil and gas industry.
Atkins applies technical excellence to deliver fully integrated, multidiscipline solutions to the most challenging subsea problems, with particular emphasis on deepwater and high pressure, high temperature (HPHT) facilities. We have class-leading subsea skills in flow assurance, pipeline and subsea engineering, materials and corrosion engineering, system design, integrity management, flexible riser systems, and risk and reliability. With offices in the UK, Norway, USA and Australia, we can deliver our expertise wherever it is required.

**Atlas**

Katy Air
Aberdeen Energy Park
Claymore Drive, Aberdeen
AB23 8GD
www.atlasknowledge.com

Atlas delivers innovative learning, compliance and competency solutions to more than 750 organisations in the oil & gas and safety-critical industries worldwide. Its technology-led solutions are used to deliver over 350,000 learning events across 40 countries and in more than 30 languages every year, with the specific aim of helping industry improve business performance while reducing legislative and operational risk through the creation of a safer, more highly skilled workforce.

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**Atmos International Ltd**

Atmos International provide pipeline leak and detection and simulation technology to the oil, gas, water and associated industries. The company was founded in 1995 in the UK by the inventor of the statistical pipeline leak detection system – Atmos Pipe, now one of a suite of leak detection solutions from Atmos. These technologies are now implemented on over 600 pipelines in 55 countries including major oil and gas companies such as Shell, BP, ExxonMobil and Total.

**Aubin Integrity**

Aubin Integrity, a division of Aubin Group, is a specialist and developer of Integrity Management solutions. The revolutionary range of products include advanced sealants and plugging materials for restoring integrity and safety to offshore assets. The integrity products are able to mitigate corrosion and maximise the life of pipework and offshore structures by providing permanent or temporary solutions in often urgent situations. The products can be configured to specific properties, viscosities, gravities and cure times to create impermeable barriers in hard-to-reach locations.

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**Aubin Pipelines**

Peter Foreman
T: +44 (0)1358 724361

Unit 1 Castle Street
Castlepark Industrial Estate
Ellon, Aberdeenshire
AB41 9RF
www.aubinpipelines.com

Aubin Pipelines develop project-specific engineered solutions for contaminated and compromised pipelines around the world. Part of Aubin Group, the Pipelines division’s range of gel pig and pipeline gel technologies allow the removal of liquids and solids from previously unpiggable pipelines. Scaled, telescopic or otherwise restricted pipelines are not an obstacle to the product range’s deformable, elastic, flow-enhancing gel materials which can perform in all climates and environments. Aubin Pipelines offers solutions used as invaluable resources for pipeline engineers worldwide.
Aubin Subsea

Aubin Subsea, part of Aubin Group, is an innovative subsea technology division, specialising in fixed and variable buoyancy, sealing and insulation solutions. The division’s liquid buoyancy technology allows for subsea structures to be moved with ease using fixed and variable buoyant force. The patented lift technology offers ground-breaking operational solutions to deepwater lifting, providing precision control and consistent performance with the ability to accurately manoeuvre submerged objects at depths up to 4,000 metres.

b solutions

b solutions are a commercially independent educational establishment with training delivered across North East Scotland. As part of the commercial training arm of North East Scotland College, our trainers have a wealth of practical experience which has been honed with extensive industry experience and is coupled with theoretical knowledge enhanced at the college. Offering nationally and internationally recognised training courses we specialise in hydraulic training; welding and nautical courses at our maritime academy.

Balmoral Offshore Engineering

With more than 33 years’ experience in polymer and elastomer design, engineering and manufacturing, Balmoral provides a global service from concept development through design, manufacturing and testing. Products used around the world include rigid, dynamic and production riser buoyancy, ROV/AUV and subsurface buoyancy, elastomer cable protectors, bend restrictors, stiffeners, clamps, VIV strakes and riser protection guards. The company also operates its own hyperbaric test centre in Aberdeen which accommodates a variety of products from small systems through to the largest rigid riser modules.

Beauford Engineers

Beauford Engineers specialise in the turn-key manufacture of high integrity technical fabrications, structures and projects to OEMs and EPCs in the offshore and subsea sectors. Typical items include: frames, guides, mats, PLETs, PLEMs, panels, reelers etc. The company’s 30,000 sq.m facility provides a full range of engineering services, including design, project management, coded fabrication, heavy and CNC machining, heat treatment, blast and paint, fit out, assembly and test. A full plant and capacity list is provided on the website. Certified to ISO9001 & 14001. FPAL: 10053131.
Bibby Offshore Limited (BOL) deliver a diverse range of subsea construction projects for operators worldwide. Services include project management and engineering, diving operations, construction services, and inspection, repair and maintenance (IRM). Committed to the subsea market, Bibby Offshore is well positioned to deliver significantly enhanced capabilities. Along with sister company Bibby Remote Intervention (BRIL), Bibby Offshore undertake subsea projects using an international fleet of subsea support vessels and Remotely Operated Vehicles (ROVs).

**Bibby Remote Intervention Ltd (BRIL)**

![Bibby Remote Intervention Ltd (BRIL) Logo]

Stuart Murray  
T +44 (0)1224 857755  
Atmosphere One  
Prospect Road, Westhill  
Aberdeen AB32 6FJ  
www.bibbyoffshore.com

Bibby Remote Intervention Limited (BRIL), formed in 2011, is a subsidiary of Bibby Offshore Holdings Limited. BRIL offer a full in-house package delivering innovative, value added solutions through provision of diverless intervention and world-class remotely-operated vehicle (ROV) services. BRILs subsea capabilities are focussed particularly on Inspection, Repair and Maintenance (IRM), construction support and ROV Drill support. BRIL and Bibby Offshore together, undertake subsea projects using an international fleet of subsea support vessels and Remotely Operated Vehicles (ROVs).

**BiS Valves Limited**

![BiS Valves Limited Logo]

Judith Liddle  
T +44 (0)1202 896322  
Units 17-23 Kingfisher Park  
Collingwood Road, West Moors  
Wimborne, Dorset BH21 6US  
www.bisvalves.co.uk

Design – Manufacturing – Testing – Quality. BiS Valves is an internationally recognised company with over 30 years’ experience in the design and manufacture of a wide range of small bore stainless steel pressure and flow control valves for high pressure liquid and gas. Operating in a variety of sectors, we are a leading supplier to the offshore oil and gas. Industry for topside, subsea and downhole applications where quality, reliability and safety are critical. With an extensive range of standard products and a bespoke design service we aim to provide the right solutions for your applications.

**Bodycote**

![Bodycote Logo]

Lisa Dean  
T +44 (0)1625 505300  
Springwood Court  
Springwood Close  
Tytherington Business Park  
Macclesfield, Cheshire  
SK10 2XF  
www.bodycote.com

Bodycote, the world’s leading thermal processing company, provides manufacturers with vital heat treatments, metal joining, hot isostatic pressing and coating services, offering an extensive range of surface engineering solutions for the oil & gas industry. Thermal processing is a vital part of any manufacturing process and includes a variety of techniques and specialised engineering processes which improve the properties of metals and alloys and extend the life of components. Contact Bodycote to find out how we can make your products work harder for longer.

**Bowtech Products Ltd**

![Bowtech Products Ltd Logo]

Brenda Hector  
T +44 (0)1224 772345  
ABZ Business Park  
International Avenue  
Dyce, Aberdeen  
AB21 0BH  
www.bowtech.co.uk

We design, manufacture and supply market leading products to the subsea ROV, AUV, defence, nuclear and leisure markets. From patentable designs through to unique manufacturing techniques, our underwater cameras, video systems and lights operate in harsh environments, hazardous areas and underwater, to any ocean depth. Bowtech manufactured cameras include survey, observation, inspection quality HD (High Definition), ULL (Ultra Low Light), low cost colour and monochrome cameras matched by complimentary LED underwater lights and lighting systems to complete the range.
Brogan Fuels

**BROGAN FuELS**

Jim Sloan
Lubricant Sales Manager
David Smialowski
Contract Manager
T +44 (0)1224 213132
c/o BP Terminal, 27 Point Law
Aberdeen AB11 5QW

Brogan Fuels has a deep knowledge of all lubricant requirements ranging from marine, agricultural, automotive and industrial.

Buchan Technical Services Limited

**buchen TECHNICAL SERVICES**

T +44 (0)1651 781450
E info@buchantechnical.co.uk

Unit 7 Fisher Offshore Base
North Meadows, Oldmeldrum
Aberdeenshire AB51 0GQ
www.buchantechnical.co.uk

Buchan Technical Services Ltd, a member of James Fisher and Sons plc, was established in 1997 to provide equipment rental and recruitment services to the oil and gas industry. We have hands on experience of most oil and gas related tasks and this knowledge allows us to best meet your recruitment and equipment rental requirements. Many of our up to date vacancies and equipment specification sheets can be found on our website. ISO 9001, ISO 14001 & OHSAS 18001 Registered, 1st Point Assessment Registered and members of Recruitment and Employment Confederation.

Buckleys (UVRAL) Ltd

**BUCKLEYS**

Scott Pettifer
T +44 (0)1303 278 888

Buckleys House, Unit G
Concept Court, Shearway Road
Shearway Business Park, Folkestone
Kent CT19 4RG
www.buckleys.co.uk

Buckleys (UVRAL) Ltd manufactured sub-sea inspection equipment allows accurate corrosion monitoring of underwater structures including: jetties, drilling platforms, ships hulls and sub-sea pipelines. The Bathycorrometer is a well-proven inspection tool for measuring the levels of corrosion, light and easy to use this hand-held unit enables divers to obtain accurate readings of structures at the point of contact. The first Bathycorrometer unit went into rigorous North Sea service in 1971. Customer satisfaction with the performance of Bathycorrometers has led to use worldwide.

C-Tecnics

**C-Tecnics**

Lee Duncan
T +44 (0)1224 666 322

C-Tecnics, 123 Ashgrove Road West
Aberdeen AB16 5FA
www.c-tecnics.com

We are a UK based manufacturer of high quality subsea video and communications products for the inshore and offshore diving and ROV industries. Our product range includes video equipment such as the C-Vision as well as our diver rack systems which allow full communication between divers and the shore. We also supply a wide range of personal diving equipment and accessories such as hotcrabber gloves, backstabber diver’s knife and the JOK recovery harness. Our subsea electronics are extremely durable and are able to stand up to the harsh environments in which they will be used.

Byron Ltd

**Byron Ltd**

Peter Dalgarno
T +44 (0)1224 587428
E byron@byronltd.co.uk

12 Virginia Street, Aberdeen
AB11 5TJ
www.byronltd.co.uk

Byron Limited is an Aberdeen based personnel support company, established in 1994, providing multi disciplinary engineering and drilling personnel support to the oil & gas industry, further developed to service and support the sub-sea and decommissioning sector.

Caiman Software Development Ltd

**CAIMAN**

Danny Napier
T +44 (0)1224 937070

59 Palmerston Road
AB11 5QP
www.caiman-soft.co.uk
Caiman Software Development’s flagship product, Caiman IQ, provides businesses with a fully integrated Quality Management System incorporating document management, audit tracking, process mapping, procedures, project database, supplier management, CRM and even provides offline capability for end users with intermittent internet such as on vessels. The modular design of IQ allows businesses to implement only what they need to plug the gaps in their existing QMS. Caiman IQ has impressed auditors and enabled our clients to achieve ISO:9001 with reduced administrative overhead.

Caiman Software Development

Calem Ocean Systems

Gregor McPherson
T +44 (0)1355 229 359
E gregorm@caley.co.uk
Manor Avenue, East Kilbride
Glasgow G74 4PU
www.caley.co.uk

Based near Glasgow, Caley Ocean Systems has an international reputation as a centre of excellence in offshore handling systems for the oil and gas industry, oceanographic science, and naval emergency rescue vessels. With a highly skilled engineering team and dedicated manufacturing facilities, Caley’s services include innovative handling systems, design consultancy, project management and engineering services. It has developed a number of bespoke systems for pipe clamping, and deepwater lowering of subsea structures weighing up to 950Te in water depths in excess of 1,300m.

Caltec Limited

Sam Long
T +44 (0)1234 750144
E s.long@caltec.com
Medway Court, Cranfield
MK43 0FQ
www.caltec.com

Caltec is an oil and gas process technology company, working primarily with passive technologies that optimise production boosting and compact separation. Caltec strives to design and deliver small footprint, lightweight units with zero energy consumption and no moving parts that are perfectly suited to subsea and topsides applications such as well deliquification, subsea separation, pumping duties and pressure management.

Camrov Subsea Ltd

James Campbell
T +44 (0)1955 621393 / 07788 608955
Balmascmurich, Dunn, Watten
Caithness KW1 5XN
www.camrov.co.uk

Providing specialised engineering solutions to both offshore and onshore industries, Camrov Subsea Ltd focuses on delivering valued services and products which exceed clients’ expectations, whilst additionally designing new solutions and products allowing their clients to operate more safely and efficiently. Our skills, innovation, flexibility and dedication to succeed is the core principle which makes Camrov Subsea Ltd the company it is today.

Capita Health and Wellbeing

Gillian Nicol
T +44 (0)1224 669000
Forest Grove House
Foresterhill Road, Aberdeen
AB25 2ZP
www.capita.co.uk/healthandwellbeing
Capita Health and Wellbeing provide occupational health and medical services to the energy industry within the UKCS and globally. Our main service provision is: medics – offshore and onshore topside and diving emergency support – 24/7 – 365 days per year. Occupational health advisors and nurses – onsite clinical support medicals assessments throughout the UK sickness absence management health surveillance health promotion travel health substance abuse screening clinical governance onshore/offshore audits innovative technology training global services.

Celanese

The chemistry inside innovation

David Almond
T +44 (0)1952 213400
E david.almond@celanese.com

Suite 2.04, Grosvenor House
Central Park, Telford
TF2 9TW
www.celanese.com

Advanced material solutions for the most challenging oil and gas applications. Fortron PPS resists punishing heat and corrosive elements like H2S and CO2 to deliver long-term performance and is ideally suited for pipes/tubes and molded components. As a pipe liner, Fortron PPS can prolong the life of steel. Lightweight Celstran composites can be tailored to meet specific structural strength and pipe reinforcement requirements and are advantageous vs. metals and cross-linking composite systems. Celstran composites can extend service life while lowering installation and maintenance costs.

Ceona

Lucy Miller
T +44 203 651 3050
E lucy.miller@ceona-offshore.com

6th Floor, 3 Shortlands
London W6 8DA
www.ceona-offshore.com

Ceona is a SURF and subsea construction contractor in the deepwater market, specialising in full-service engineering, pipelay and construction project management and execution. It has offices in London, Aberdeen and Houston. It is growing its engineering and project management capabilities in-house, and developing a fleet of state-of-the-art vessels to fulfil projects. It is integrating strategic partnerships to deliver the best solutions at every stage of operations. Ceona is accredited by DNV to ISO 9001, 14001 & OHSAS 18001 standards. FPAL supplier number: 10053050 – Achilles ID: 29319

CASE STUDY – Ceona

The SURF and subsea construction market is competitive, and a new build gives a contractor the opportunity to gain an edge in the core capabilities required for field development and project execution such as heavy lift, deep water pipelay and construction. In identifying where its competitive advantage will lie, Ceona established exactly what it wanted its new field development vessel, the Ceona Amazon, to do.

The 199.4m long vessel will be equipped for multiple project execution combinations, including heavy lift up to 800te, top tension capacity of up to 570mt, rigid pipelay up to 16”, flexlay and subsea construction, all in one stop shop. To maximise capabilities, Ceona has put tried-and-tested technologies, from trusted suppliers such as Huisman, to use in innovative ways.

The vessel will execute projects in remote areas and deep waters, independent of logistics bases (no spool base required). This “take the project with you” approach informed the use of proven systems in smart combinations: pipelay tower, versatile crane arrangement, carousel, pipe storage (9,000 tonnes) and on-board welding capabilities.

The result is a first-of-its-kind full field development asset that can be mobilised quickly in challenging environments to perform:

- Rigid pipelay
- Flexible pipelay
- Umbilical lay
- Crane operations: single or tandem lifts
- Moorings installation

Hull fabrication is underway at Crist S.A. and outfitting will take place at Lloyd Werf Bremerhaven by Q1 2014, before sailing to Huisman yard in Holland for tower installation in Q4 2014. The Ceona Amazon will enter the market in January 2015.

The Ceona Amazon – © Ceona
A Guide to UK Subsea Capability for the Oil and Gas Industry

Directory of UK subsea companies

**CETCO Energy Services Limited**

Mark Graham  
T +44 (0)1224 787340  
Badentoy Crescent, Badentoy Park  
Portlethen, Aberdeen AB12 4YD  
www.cetcoenergyservices.com

CETCO Energy Services is a complete solutions provider of products and services for the global oil and gas industry. CETCO Energy Services Water Treatment Division specialises in the removal of hydrocarbons, solids, toxic materials and other contaminants from oilfield wastewater streams produced during oil and gas operations, transportation and storage. We can mobilise tried and proven temporary mobile modular DNV produced water packages along with highly trained personnel and can be based either on a platform, FPSO or back deck of a subsea vessel.

**Claxton Engineering Services Ltd**

Jamie Hall  
T +44 (0)1493 744500  
E info@claxtonengineering.com  
Bureside House, North River Road  
Great Yarmouth NR30 1TE  
www.claxtonengineering.com

Claxton combines experienced project engineers, a fast track design and R&D capability with a huge inventory of rapid call-off tooling to, simply put, deliver. We offer a broad range of services for risers, decommissioning and structures – including an unrivalled selection of pressure, connector and complete system options for subsea and surface risers.

**Component Force Ltd**

Daisy McConnell  
T +44 (0)1634 686504  
Unit 19 Laker Road, Rochester  
Kent ME1 3QX  
www.componentforce.co.uk

Component Force are UK manufacturers and distributors of plastic, rubber and foam components. Mainly used for finishing and protection, the range of products include pipe caps, flange covers, self adhesive flange discs, castors, wheels, netting, custom mouldings. Please call Component Force’s friendly team to discuss your component requirements.

**Claxton Engineering Services Ltd**

Jamie Hall  
T +44 (0)1493 744500  
E info@claxtonengineering.com  
Bureside House, North River Road  
Great Yarmouth NR30 1TE  
www.claxtonengineering.com

Claxton combines experienced project engineers, a fast track design and R&D capability with a huge inventory of rapid call-off tooling to, simply put, deliver. We offer a broad range of services for risers, decommissioning and structures – including an unrivalled selection of pressure, connector and complete system options for subsea and surface risers.

**Coda Octopus Products Ltd**

Gary Richards  
T +44 (0)1902 450444  
Units 5-7 Hickman Avenue  
Wolverhampton WV1 2EN  
www.conceptsteels.co.uk

At the forefront of CSL’s offering is excellence in project delivery. We improve an organisation’s performance and competitive advantage through more effective and efficient project management and control. We offer specialist services and resources based on a flexible approach tailored to our clients’ needs: delivering the most effective solution through excellence in project management, project controls, engineering, technical consultancy, construction management and training.

Cutting Underwater Technologies Ltd

Neil Henderson
T +44 (0)1224 222950
E neil.henderson@cut-uk.com
CUT HQ
Aberdeen Science and Energy Park
Claymore Drive, Bridge of Don
AB23 8GD
www.cut-group.com

Cutting Underwater Technologies has more than 20 years’ experience providing in-house developed diamond wire cutting solutions to the oil & gas industries globally. Our key benefits include; – In-house design and manufacturing capability – Bespoke machines and diamond wire technology – A fleet of 180 specialist diamond wire tools ranging from 5.5” to 150” cutting capacity – Remote deployment and operation of machines – Versatile, trained and experienced workforce – Excellent in-house test facilities – Excellent safety record – Over 4600 cuts performed including 107 platform removals.

Deep Ocean

Thomas Howard
T +44 (0)1325 390 500
Coniscliffe House, Coniscliffe Road
Darlington, County Durham DL3 7EE
www.deepoceangroup.com

DeepOcean is an integrated provider of safe, high quality, innovative services and technologies for the subsea industry. DeepOcean offers a breadth of subsea services including SURF, installation, intervention, survey and seabed-mapping, Inspection, Maintenance and Repair (IMR) and decommissioning.
Derrick Offshore Ltd

Derrick Offshore is a shipbroking company specialising in the offshore oil and gas, renewable energy and subsea cable industries. Since being established in 1976 we have provided services to shipowners, shipyards, offshore and cable contractors, oil companies, utility companies, subsea mining companies, banks and other financial institutions. Primary activities include the sale and purchase, chartering, newbuild contracting, valuations, financing and consultancy of specialist vessels and marine equipment, offshore renewables, and the installation and maintenance of submarine cables.

Destec Engineering Ltd

UK based manufacturer and designer of high pressure containment systems including subsea ‘DESFLEX’ compact flanges, 4 bolt ‘G-RANGE’ clamp connectors, metal to metal ‘D’ seal rings & ROV operable subsea ‘GSB’ single bolt connectors. Field proven products with an excellent track record for both subsea & topside, following many years of experience supplying these products in a very wide range of sizes, materials and pressure ratings. On-site services include in-situ machining, bolt tightening & tensioning, vessel and column cutting. Global 24hr support on/offshore.

DMI Precision Engineering Limited

DMI are a high precision engineering manufacturer. We specialize in parts which perform in extreme conditions, including low temperatures, high temperatures and high pressures. Machining titanium, inconel, monel, super duplex, stainless steel, brass, bronze, 17/4, aluminium, steel and engineering plastics. Machining capacity 1”-16” dia x 1.5m. ISO 9001:2008, 14001, 18001 certified. Quality products and service, on time at the right price.

DNV GL

DNV GL is the leading technical advisor to the global oil and gas industry. We provide consistent, integrated services within technical and marine assurance and advisory, risk management and offshore classification, to enable safe, reliable and enhanced performance in projects and operations. Together with our partners, we drive the industry forward by developing best practices and standards. Our people combine industry expertise, multi-disciplinary skills and innovation to solve complex challenges for our customers.

Docmate Services Ltd

Docmate Services Ltd (Docmates) provides technical documentation products and services to a wide range of companies operating in the UK subsea sector. Products produced and delivered for this sector include business management systems, operations and maintenance manuals, user guides, HSE manuals and training manuals.
DOF Subsea is a leading provider of integrated subsea services to the oil and gas industry. The company owns and operates one of the largest global fleets of high-specification vessels, dive systems and ROVs, utilised to provide specialist survey, subsea construction and inspection, repair and maintenance services worldwide. We can provide a range of integrated services including FEED, pre-engineering survey, field development with offshore construction, IMR and decommissioning.

**Ecosse Subsea Systems Ltd**

Emma Anderson
T +44 (0)1330 826870
Brathens Eco-Business Park
Hill of Brathens, Glassel, Banchory AB31 4BW
www.ecosse-subsea.com

SCAR trenching system: capable of ploughing and trenching tasks efficiently and cost effectively in a manner that no other subsea services provider can achieve, SCAR® delivers: seabed clearance/boulder removal; trenching; cable/pipeline/umbilical lay; backfill. Engineering consultancy & personnel supply: expertise in pipelay, trenching, burial, spooling; onshore and offshore personnel supply. Technologies: a number of patented technologies including PREP system, olympic spoolbase, reel drives, spoolbases, wave energy.

**EFC Group**

Louise McGowan
T +44 (0)1224 249355
E imcgowan@efcgroup.net
Hareness Road, Altens
Aberdeen AB12 3LE
www.efcgroup.net

Controls, instrumentation, monitoring & handling systems for global oil and gas industry. EFC systems encompass BOP, diverter & managed pressure control systems as well as choke controls, HPHT and well control instrumentation. Mechanical handling covers BOP transporters, horizontal & vertical pipe handling. Scope ranges from FEED study, stress analysis, partial upgrades & new system supply. Systems can be ATEX or IECEx Zone 1 or 2, CE, NORSOK, API 16C or D monogrammed, engineers travel worldwide to survey, install & commission systems manufactured.

**Ennsub Ltd**

Scott Macknocher
T +44 (0)1224 766911

Westpoint House
Pavilion 2 Prospect Park
Prospect Road, Westhill, Aberdeen AB32 6FJ
www.ennsub.com

Ennsub is an independent provider of specialised products and equipment to the global subsea sector. The company is headquartered in Aberdeen with a production facility in Teesside, north-east England and growing project management, engineering and design capabilities. The company offers a range of deep and ultra-deepwater deployment solutions for ROVs, subsea modules and bespoke subsea packages in addition to a suite of pipeline installation-related products and pipeline repair solutions.
Etpm Ltd

Established in 2007, etpm was formed as a privately owned company to provide marine and subsea support services to the oil & gas industry. With offices in Aberdeen and Great Yarmouth, etpm is ever-expanding both in terms of base staff and the number of personnel we are supplying to clients worldwide. At present we are supplying crew to over 40 clients, which comprise of global marine, subsea and renewable companies. Our people work internationally on vessels, offshore installations and at onshore bases, providing flexibility to our clients.

European Submersible Systems

European Submersible Systems

Bruce Alexander Stratton
T +44 (0)7384 51007
E glenlyon1@sky.com
81 Matthews Drive, Almond Lea
Perth PH1 2UR
www.ssirovs.com

Company based in Scotland but covering all areas outside the United States of America. Supplier of the most competitively priced, advanced and reliable ROV systems available at this time.

Evenort LTD

Evenort Ltd are a trusted partner if you are looking for components in stainless steel and nickel alloys. We are a fully certified manufacturer with a PED certificate and a track record in the most demanding of industries which spans 30 years. With a specialism on flanged product we would welcome enquiries for all types of stainless or nickel alloy flanges including L005 compact flanges or API flanges for high pressure applications. 3.1 certification is standard, but project specific requirements such as 3.2, norsok and third party testing are routine.

Falmouth Divers Ltd

Falmouth Divers Ltd is a UK based subsea contractor who for over 35 years has specialised in the submarine cable industry and for 14 of these also in the renewable energy industry. The company has worked in over 67 countries around the world and are able to supply complete installation packages including the shore-side construction of joint bays, and cable ducts, shore end landings and the lay, burial and maintenance of submarine cables. Falmouth Divers Ltd also provides conventional inshore and offshore diving and marine construction services to the Energy Industries.
Fathom Systems Ltd

Cherry Lawson
T +44 (0)1224 401000
Badentoy Cres, Portlethen
AB12 4YD
www.fathomsystems.co.uk

Fathom Systems provides engineering solutions and products to the commercial diving industry, ROV and underwater engineering industry. We use up-to-date, proven technology to produce a range of high quality and reliable products backed up with unrivalled customer support as well as consultancy, project engineering and operations support. Established in 2005 by a team of experienced engineers, we are dedicated to creating first class products and systems that fulfill our motto of, “intelligence underwater.”

First Subsea Ltd

First Subsea is an engineering and design house specialising in offshore engineering. It supplies subsea mooring components, pipe handling and recovery tools, offshore lifting tools for deployment and retrieval, bend stiffener connectors and offshore power cable connectors. It is the world’s leading developer and supplier of Ballgrab® ball and taper connector technology with over 700 systems installed. First Subsea is an ABS approved manufacture, and meets the highest quality standards including: ISO 9001:2008 Quality Management System, ISO/TS 29001:2010 API Q1 Monogram Specification.

Fisher Offshore

Chris Reid
T +44 (0)1651 873932
E chris.reid@fisheroffshore.com
North Meadows, Oldmeldrum
Aberdeen AB51 0GQ
www.fisheroffshore.com

Fisher Offshore is a part of James Fisher and Sons plc, a leading service provider in all sectors of the marine industry, and a specialist supplier of engineering services to the UK and overseas.

Flowline Specialists Limited

Jim Smith
T +44 (0)1651 871872
Barra House, Colpy Way
Colpy Road Industrial Estate
Oldmeldrum, Aberdeen AB51 0BZ
www.flowlinespecialists.com

Flowline Specialists designs, engineers and manufactures tensioners, reel drive systems, under-rollers, powered reels, shears and hydraulic power packs for the global oil, gas and renewable industries. Established in 2001, it is headquartered in Oldmeldrum, near Aberdeen and has operational bases in Norway and Singapore. Its range of equipment is designed to ensure the safe and efficient handling of reels, flexible pipes, umbilicals and power cables, onshore and offshore. Installed and operated by experienced field technicians, all equipment is road mobile and available for hire worldwide.

Flexlife Limited

Simone Barnett
T +44 (0)1224 617900
E simone.barnett@flexlife.co.uk
Northpoint, Exploration Drive
Bridge of Don, Aberdeen AB23 8HZ
www.flexlife.co.uk

Flexlife is a specialist provider of subsea engineering services and has a history of delivering successful projects, supporting the needs of major oil and gas operators globally. Flexlife employs over 90 high calibre engineering professionals with strong academic backgrounds and a broad range of engineering disciplines, complemented by specialist experience in subsea flexible pipes. Since being founded in 2007, Flexlife has evolved to provide expertise in three core services: – flexible pipe technologies and engineering – subsea integrity management – subsea project management.

Forum Subsea Technologies

Katie Stannard
E katie.stannard@f-e-t.com
Concorde House
Arnhall Business Park
AB32 6UF
www.F-E-T.COM
A Guide to UK Subsea Capability for the Oil and Gas Industry

Forum Energy Technologies Inc. is a global provider of manufactured technologies and applied products to the energy industry. The Subsea Solutions division custom manufactures ROVs, intervention tooling, control systems and integrated system solutions. These items are also available for rental as well as personnel and training services, seabed coring, geoscience project management and subsea pipeline joint coating. Forum’s pioneering Rovdrill system and VMAX simulation software are providing innovative ways to drill smarter and deeper. Turn to Forum to take your subsea project to a new level.

Freudenberg Oil & Gas Technologies Limited

Freudenberg Oil & Gas Technologies is a global provider of innovative sealing solutions and differentiated products to the upstream oil & gas industry, including metal-to-metal, advanced thermoplastic and elastomeric sealing solutions. Our vector products are established metal-to-metal sealing solutions for demanding applications, including: offshore platforms, FPSOs, flowlines and subsea installations. We develop proprietary materials and perform in-house product verification testing and analysis. Locations: Australia, Brazil, Canada, Malaysia, Norway, Singapore, UAE, UK and USA.

Frazer-Nash Consultancy Ltd

Frazer-Nash Consultancy Ltd

Neil Whyld
T +44 (0)1306 885050
E oilandgas@fnc.co.uk

Stonebridge House
Dorking Business Park, Dorking
Surrey RH4 1HJ
www.fnc.co.uk

At Frazer-Nash, our consultants are applying their expertise to develop, enhance and protect our clients critical assets, systems and processes. They trust us to provide expert and impartial advice to improve the safety and performance of their assets and to overcome their most demanding offshore challenges. Our 500 engineers are renowned for their innovative yet pragmatic solutions across all stages of the asset lifecycle, including: asset integrity management, fitness for service assessments, corrosion control, process engineering, flow assurance, safety and risk, EC&I, and project control.

Fugro GEOS Ltd

Fugro GEOS services include wellhead and riser monitoring, jacket monitoring systems and weather stations, current and oceanographic measurement services and systems, and consultancy services. Our DeepData subsea pod is the basis for WARIS (Wellhead and Riser Instrumentation System). WARIS is used to assess fatigue sustained by wellhead and riser components, refine the model of the riser, estimate soil stiffness, and build a history of fatigue damage. Motion can be monitored against limits for safe operations. Drilling down time can be minimised (see case study).

Fugro Subsea Services Limited

Fugro Subsea Services Ltd. operates within the geographical region of the North Sea, the Mediterranean and West Africa and are part of the global Fugro Subsea Services Group. We operate a modern and diverse fleet of ROV systems and ROV vessels, supporting our clients in a wide range of offshore projects. Our experienced team of Project personnel, Subsea Engineers and ROV operators ensure our Clients receive a first class service delivered both safely and on time. Currently we operate a fleet of 6 modern ROV support vessels and a fleet of over 75 ROVs for all requirements.
CASE STUDY – Fugro GEOS

Our client planned an exploration well which was complex and estimated to take around a year to drill. Modelling of the wellhead indicated the fatigue life was less than one year. Real time monitoring of BOP/LMRP motions was specified to track fatigue during operations.

The Fugro WARIS system was deployed. The accumulated fatigue damage was displayed on the vessel throughout the drilling operation. The same plots were also presented in weekly reports compiled from data transferred to the Fugro office via an internet link.

The monitoring found significant differences from the expected riser frequencies and fixity depth. The amplitude of motions was also a factor of three smaller than predicted. The preliminary model was refined primarily by stiffening the soil to improve the comparison with the measurements.

Using the motion measurements with the new model resulted in lower fatigue rates overall. Consequently, the operating limits of the rig were not restricted and there was no lost time due to fatigue concerns during rough weather.

The project demonstrated that the use of the lower bound soil stiffness was very conservative. The agreement between measured data and predictions using the refined model gives increased confidence in the fatigue calculations.

All subsea instrument pods functioned and recorded a full set of motion data.

The ultimate benefits derived by the client from this project were:

- Measured motions demonstrated low fatigue
- Fatigue model was shown to be highly conservative
- No rig time lost due to wellhead fatigue concerns
- The fatigue history of the well was recorded

Deep data pods mounted on the riser. © Fugro

GCG Group

GCG provides tough, long-lasting protection for vital assets subjected to corrosion and chemical attack in harsh environments. Our durable coatings for the oil and gas Industry defend subsea and topside structures against degradation and shield pipework, steelwork and valuable equipment from the damaging conditions in the North Sea and other inhospitable locations worldwide. With our innovative range of world-class coating products we can provide the maximum longevity for your assets, with the minimum of downtime.

Michael Gaffney
T +44 (0)1779 475002

Unit 3, Upperton Industrial Estate
Dales, Peterhead AB42 3GL
www.gcgshotblasting.co.uk

General Welding Supplies (NW) Ltd

Mike Twist
T +44 (0)151 420 6900
E mike.twist@generalwelding.co.uk

318 Hale Road WA8 8PX
www.generalwelding.co.uk

Founded in 1982, General Welding Supplies is a privately owned company which takes great pride in continuously developing and expanding to respond to the needs of our Clients. In addition to the nationwide sales of a wide range of manual and orbital welding equipment, pipework machining equipment and associated plant and consumables, we offer welding consultancy, on-site machining services, welding and machining courses, routine servicing, repair, calibration and gas safety checks. GWS also offers one of the UK’s largest and most comprehensive hire fleets serving the fabrication industry.

Zoe Brown
E zoe.brown@geoprober.com

Minto Drive, Altens Industrial Estate
AB12 3LW
www.geoprober.com

At Geoprober we work with our clients to solve pressing technical problems through focused research, development and engineering innovation. Our core skill is turning ideas into real oilfield equipment that is fully tested and qualified to our clients’ specifications.
Geoprober are experienced in delivering technically challenging projects on time and budget. With strong design and analysis experience and a dedicated workshop facility Geoprober has the ability to provide support for the entire process from concept to deployment.

**GEOxyz**

Michael Sherlock  
T +44 (0)7973 719 483  
E sales@geoxyz.co.uk

37 Albert Street  
Aberdeen AB25 1XU  
www.geoxyz.eu

“GEO.xyz” is an independent company specialising in hydrographic, geophysical, geotechnical surveys and increasingly, offshore support services. We provide our services to local authorities, dredging & marine contractors, the off-shore industry, consulting companies and research centres. GEO.xyz utilise their own professional and highly-specialized staff, advanced technologies, state-of-the-art survey systems and their own fleet of survey or offshore support vessels.

**Glentrading (UK) Ltd**

Mr Siddharth D Rananaware CEng  
T +44 (0)1224 660390  
E info@glentrading.co.uk

9 Richmondhill Gardens  
Aberdeen AB15 5LW  
www.glentrading.co.uk

Subsea and pipelines specialist consulting. Specialties: due diligence, UK DECC/HMRC brownfield allowance (BFA) verification, subsea field development studies, conceptual, FEED, detailed design, subsea piping and pipelines, contract expediting, client representation, subsea retrofitting concepts through construction design, DECC/HSE liaison, ad-hoc operational support, testing/pre-commissioning and commissioning philosophies, oil offloading systems availability study/ specification, witness inspection, IRM. Also soliciting trade export import business inquiries globally.

In the subsea industry the demand for high integrity, forged axial check valves is growing. Goodwin offers its non-slam axial check valve in pressure ratings in excess of API 10K and tested to API PSL 3G. It is the ideal solution to meet the subsea industry’s demanding material and testing requirements along with a proven reliability in both oil and gas applications. A globally recognised and highly approved brand with international and national end-user companies and EPCs, Goodwin check valves are specified and used in upstream, midstream and downstream new build hydrocarbon projects.

**GMC Limited**

Phil Jones  
T +44 (0)1189 450320  
E phil.jones@gmcltd.net

100 Longwater Avenue  
Reading RG2 6GP  
www.gmcltd.net

From seabed to surface, GMC is an industry leader in subsea and offshore engineering solutions that develops and produces enabling technologies for the installation of offshore pipelines and risers. GMC’s innovative products include fatigue resistant mechanical connectors, self installing floating towers and subsea handling and installation systems. Established in 1990, GMC has offices in the UK and USA, as well as strategic partners and satellite offices in Brazil, China, Poland, and Russia.

**Green Palm Marine Consultancy**

Abdul Rasheed  
T +44 (0)1482 488657  
E abdul.rasheed@gpmcuk.com

Compass House  
17-19 Empringham Street, Hull  
East Yorkshire HU9 1RP  
www.gpmcuk.com

Green Palm Marine Consultancy is a global leader in the offshore-marine industry providing specifically tailored engineering solutions, support and project management to our clients. We strive to provide turnkey engineering solutions in the areas of design, refurbishment, modifications and conversions of rigs, offshore platforms, marine vessels and FPSOs. Our expert services involve offshore installation, structural engineering, subsea services, mooring and riser analysis, pipeline installation, stinger design and RAM assessments, jack-up rig engineering and specialized software solutions.
Singapore, Hallin has offices worldwide to support our customer their local operational needs; and offer our technical expertise and capability to complete subsea engineering projects safely, efficiently, on schedule and within budget.

**Hardide Coatings**

Martin Wainwright  
T +44 (0)1869 353 830  
E mwainwright@hardide.com

11 Wedgwood Road  
Bicester, Oxfordshire  
OX26 4UL  
www.hardide.com

Hardide Coatings is an innovator in advanced surface coating technology. Using advanced tungsten-carbide based coatings, the company provides engineered solutions to the challenge of increasing critical component lifetime. The company’s patented technology is unique in combining a mix of abrasion, erosion and corrosion resistant properties in one coating. When applied to metal components in aggressive environments, the coatings result in cost savings through reduced downtime and increased operational efficiency.

**Harkand**

Harkand was created through the merger of Integrated Subsea Services (ISS), Andrews Survey, Iremis and Veolia Marine Services. We now operate 33 ROVs and 8 vessels globally from project offices in Aberdeen, Houston, Sharjah, Singapore and Perth. Our vessels include DSVs, ROVSVs and MPSVs. We also offer ROV, saturation diving and air diving services onboard third party assets as well as a full range of survey services though Harkand Andrews Survey. Led by chairman Tom Ehret, Harkand aims to become the leading global name in subsea inspection, repair, maintenance and light construction.
CASE STUDY – Hardide Coatings

The UH-550 with integrated ball valve is designed for critical applications subsea such as wellhead control. The handle mechanism on the valve is operated by a ROV manipulator to control flow at pressures up to 10000psi.

This application required a wear resistant coating that would protect the ball assembly against abrasion from sand and other materials as well as corrosion. It also needed to be smooth and non-porous for sealing against a PEEK inlay and low friction so minimal torque would be required for operation.

Hardide-T coated ball assemblies were supplied, a cost-effective solution which satisfied the customer’s requirements, as well as offering proven resistance to sulphide stress cracking and stress corrosion. There are over 120 of these units in operation including units at BP’s Block 31 field in Angola.

Hayward Tyler

Vic Erdilek
T +44 (0)1582 731144
E vic.erdilek@haywardtyler.com
1 Kimpton Road, Luton Bedfordshire LU1 3LD
www.haywardtyler.com

Hayward Tyler is one of the world’s leading suppliers of electric motors and pumps. Whether the motors are dry or wet-wound, Hayward Tyler has a market leading reputation for providing mission critical products and services where the application is for: high pressure high temperature difficult to handle fluids. With a heritage and pedigree stretching back nearly 200 years, we remain committed to providing our customers with innovative, reliable technological solutions across the entire energy sector.

HGL Dynamics Ltd

Alex Ogden
Graham J Mitchell
T +44 (0)1483 415177
Hamilton Barr House, Bridge Mews Godalming, Surrey GU7 1HZ
www.hgl-dynamics.com

HGL Dynamics is a world-leading supplier of services and high specification equipment for the integrated capture, monitoring, analysis, storage and management of high-bandwidth data. HGL systems are used for a wide range of industrial and civil engineering applications, including data logging and analysis equipment for offshore oil & gas applications for vibration analysis and reporting particularly turbines and rotating equipment. The product range is modular in design; and can be used in isolation for solving small problems or integrated together to provide large data management systems.

Highland Galvanizers & Highland Colour Coaters

Steve McGilvray
T +44 (0)1343 548855
E enquiries@higalv.co.uk
Pinefield Industrial Estate Elgin, Moray IV30 6FG
www.higalv.co.uk

Our processes are hot dip galvanizing and powder coating which provide corrosion protection for steel and aluminium. Our plants are located in Elgin and Cumbernauld. Our Elgin plant has a galvanizing bath that measures 10.5m long x 1.1m wide x 3.0m deep: we can double dip up to 15m long. In Cumbernauld we have a galvanizing bath that is 7.0m long x 1.1m wide x 3.0m deep we can double dip up to 10m long. Our powder coating facilities can handle work that is up to 7.0m long x 1.1m wide x 3.0m deep. Our powders include polyester, nylon and epoxy.
CASE STUDY – Hire Torque Ltd (HTL)

At HTL, with the help of our in-house Engineering Design team, we can come up with a solution to any subsea related bolting problem you may be faced with.

For example, HTL were contacted by ‘Shell Oil’ due to our innovative approach to subsea solutions, with the remit to solve a problem with a Xmas Tree they were using which was no longer fit for purpose and required decommissioning. This particular Xmas Tree was over 15 years old and all valves, actuators etc had become seized over time.

The HTL ‘Seasnake’ is a solution which eliminates the need for any divers being present when a Fastlok connection is released. This removes the possibility of any subsea gas release becoming fatal, making these processes much safer.

- Diverless
- Remote controlled
- Safe operational use

Due to our innovation, service and unique solutions to problem solving, Shell Oil nominated HTL for the prestige ICoTA European Chapter Innovation Award.

The award is to recognise on a European level a service company or operator for the application of technical innovation in the area of well intervention.

Hiretech Ltd

Andy Buchan
T +44 (0)1224 791949
E andy.buchan@hiretech.eu
Cothill, Fintray, Dyce, Aberdeen
AB21 0JD
www.hiretech.eu

Hiretech Ltd offer sales and rental of powered umbilical reels, hose assemblies, hydraulic power packs, overboard chutes and a range of Zone 2 and Safe Area diesel driven centrifugal and positive displacement pumps and air compressors. We can deploy up to 1800m of 100mm umbilical using our Type 5 Powered Reel Deployment System, and our diesel driven triplex pumps can pressure test up to 1000 bar with flow rates of 50 to 1500 litres per minute. Centrifugal pigging pumps are capable of 40 bar at flow rates of 270 m3/hr.

HTL

David Richardson
T +44 (0)1670 365883
+44 (0)1670 365099
E david@hiretorque.com
NE24 4RP
www.hiretorque.com

The number one supplier for all your subsea controlled bolting equipment, flange working, bespoke hydraulic equipment, the complete solution to solve all your subsea bolting problems! Offering an impressive customer service ethic, is instrumental to HTLs continuous growth and success in the Subsea Industry. HTL have one of the largest rental fleets for subsea controlled bolting equipment in Europe, including subsea hydraulic torque wrenches, subsea bolt tensioning equipment, subsea torque pumps, subsea nut splitters, hydraulic hose reels and many other items for both sale and hire.

Hydratight Limited

Paul Hughes
T +44 (0)121 505 0600
Bentley Road South
Darlaston, West Midlands
WS10 8LQ
www.hydratight.com

Hydratight has over 30 years’ unrivalled experience in subsea connectors and tensioners. As industry leaders in joint integrity, we’re an innovate company focused on meeting the complex challenges of subsea operations. Our innovative products and solutions meet the highest standards, such as our remote bolting systems with quick release nuts, and subsea Mechanical Connectors designed to be leak free with diver friendly design features. For a complete joint integrity solution, you can rely on Hydratight to get it right first time, every time.
Hydro Group plc

T +44 (0)1224 822996
E sales@hydrogroup.plc.uk

Hydro House, Claymore Av
Energy Park, Bridge of Don
Aberdeen AB23 8GW
www.hydrogroupplc.com

Hydro Group plc focus is product innovation, design, engineering and manufacturing composite cables including tethers and umbilicals, underwater optical & electrical connectors, penetrators and terminations for subsea and topside applications. With over 30 years’ experience the company operates on a global platform providing subsea solutions to a portfolio of prime contractors, major operators primarily within the oil & gas, renewable energy and defence industries. Hydro Group plc is ISO 9001:2008 approved. Its headquarters are in Aberdeen, UK.

Hydro-Dynamics Ltd

Shane Pennington
T +44 (0)7940 016191
E info@hydro-dynamics.co.uk

11 Shore Road, Anstruther
Kingdom of Fife, Scotland
KY10 3DZ
www.hydro-dynamics.co.uk

Underwater operations/engineering specialists and consultants. oil and gas, renewables, telecoms, inshore/nearshore.

Hydrobotics

Stuart Parkes
T +44 (0)7968 602 695
9 Stirrup Close, Norton, Malton
North Yorkshire YO17 9JX
www.hydrobotics.co.uk

Hydrobotics specialise in the design and supply of remotely operated special purpose equipment and associated control systems. Hydrobotics is particularly focused on developing electro-mechanical remote intervention solutions necessary to augment maintenance and intervention support activities of today’s deep-water field developments. Hydrobotics solutions are also suitable for support of underwater decommissioning and clean-up activities.

i-Tech

David Nicol
T +44 (0)1224 526000
E i-techproposals@subsea7.com
Subsea 7 West Campus
Tarland Road, Westhill
Aberdeen AB32 6JZ
www.interventiontechnology.com

Subsea 7’s i-Tech division provides ROV and intervention support to the global energy market. i-Tech is a leading provider of subsea intervention technologies with an extensive track record and proven ability to deliver safely and reliably. These services are delivered onboard customer vessels of all types including drilling rigs, field support and construction vessels. i-Tech’s technologically advanced equipment undertakes operations in increasingly harsher environments and deeper waters, supported by offshore personnel who are graduates of i-Tech’s dedicated in-house training school.

Imenco UK Ltd

Andrew Boddice, Area Sales Manager
T +44 (0)1224 701749
E andrew.boddice@imenco.com
Enterprise Centre, Aberdeen Energy Park
Exploration Drive, Bridge of Don
Aberdeen AB23 8GX
www.imenco.com

Imenco is an EPC contractor to the global maritime sector providing mechanical and electronic equipment along with bespoke engineering solutions to major oil and drilling companies worldwide. Our market leading equipment includes: complete subsea guiding systems ROV operated shackles and latches ROV lifting and load transfer hooks subsea cameras – colour video, HD-SDi, low light, wide angle, digital stills, pan and tilt subsea lights – LED floodlights, flash units and LED diver/small ROV lights subsea lasers retrofit anodes saturation dive systems subsea tooling rental equipment.

Imtech Marine UK Ltd

Ken Mitchell
T +44 (0)1224 581409
E ken.mitchell@imtechmarine.com
Dock Gate House, Waterloo Quay
Aberdeen AB11 5DF
www.imtechmarine.com

Directory of UK subsea companies
Imtech Marine is a leading company within the global maritime market, operating as a full-service provider and system integrator of tailor-made, innovative and sustainable technology solutions. Imtech Marine specializes in automation (platform and engine room), navigation, communication and connectivity solutions, propulsion systems, power generation and distribution, HVAC (heating, ventilation and air conditioning), ship motion control, information technology, entertainment, water management and port services. The company employs appr. 2,500 staff at almost 100 offices in 30 countries.

Indicomm Global Limited

Gez Fairbairn
T +44 (0)1507 600748
E gez@indicomm.co.uk
25A Nottingham Road
Fairfield Industrial Estate
Louth LN11 0WB
www.indicomm.co.uk

From the outset we set ourselves extremely high standards, and over the years we have established an excellent track record, deploying high quality engineers, who have delivered projects on time and within budget. As a result, we now provide multi-disciplined engineers, consultants and management services to some of the biggest global players in the telecoms and submarine networks industry.

Innospection Ltd

Innospection Ltd is a specialist provider of innovative inspection services and solutions. An expert in electromagnetic inspection technologies such as Eddy Current and Saturation Low Frequency Eddy Current (SLOFEC), Innospection offers innovative technologies and sophisticated equipment in the offshore and subsea area to solve niche inspection challenges for rigid and flexible risers, caissons, subsea structures and pipelines, non-piggable pipelines, ship hulls as well as complex areas like subsea welds and manifolds.

Inspectahire Instrument Company Ltd

Inspectahire is one of the UKs leading suppliers of specialist remote visual inspection technology and solutions to companies around the world. We offer equipment rental, contracting and project engineering services. Our experience is not limited to one industry, We have successfully delivered a wide range of advanced inspection solutions to the oil & gas, subsea, energy, petroleum retail, pharmaceuticals, physical assets, and process industries.

Intec (UK) Ltd

Mark Hepworth
T +44 (0)1524 865555
E mark.hepworth@velosi-intec.com
Brunel House, 9 Penrod Way
Heysham, Lancashire
LA3 2UZ
www.velosijobs.com

Established 30 years ago; Intec (UK) Ltd has built an outstanding reputation for consistently sourcing and delivering high quality personnel services. Intec provides a fully comprehensive portfolio of dedicated permanent & contract recruitment services, from advertising and screening candidates, preparing shortlists, interview arrangement + offer management through to final placement. We deliver recruitment and project solutions within the oil & gas, construction, nuclear, power, utilities + aerospace sectors working for owner/operators, consultancies, contractors and sub-contractors.

INTECSEA (UK) Limited

Mark Jones
T +44 (0)1483 795310
102 Lower Guildford Road
GU21 2EP
www.intecsea.com
INTECSEA is one of the world’s leading and most experienced deepwater engineering companies, specializing in floating systems, offshore pipelines, marine riser systems, subsea systems and Arctic development. From concept to decommissioning, our customers rely on us for inherent safety through world-class design, engineered reliability through technical integrity, and a solutions-driven approach for full lifecycle asset management.

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Les Preece  
**T** +44 (0)1452 712519  
**E** sales@intoco.co.uk  

Bamfurlong Industrial Park  
Cheltenham, Glos.,  
GL51 6SX  
www.intoco.co.uk

Intoco is a special steels & alloys stockholder serving the oil & gas sector. We carry over 2000 tonnes of material in stock and our extensive range includes Duplex / Super-Duplex F51/F53/F55/F60/F61/329, Super Austenitics F44, 17/4PH & Nickel Alloys 600/601/625/718/400/k500/825/904L/C276/C22. We can process this material into sawn blanks, rings, blocks, etc., and distribute very quickly worldwide. 3.1 & 3.2 certification can be supplied, we are also ISO9001:2008 certified.

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Craig Robertson  
**T** +44 (0)1224 452158  
**E** integrity@iqintegrity.com  

Westpoint House  
Pavilion 2 Prospect Park  
Prospect Road, Westhill AB32 6FJ  
www.iqintegrity.com

IQ Integrity’s ONE asset and anomaly information management software, is used by Oil & Gas operators, replaces spreadsheet repair and asset registers with a streamlined application providing major benefits. Used offshore and onshore for topside and subsea installation defects, ONE tracks anomalies on specific components and assets from discovery to closeout, recording assessments, tasks, actions, comments, documents and images. ONE is a customisable toolkit which is implemented to suit any workflow or process requirement and currently used by Apache North Sea, TAQA Bratani, Premier Oil and Ce.

**Jackson Engineering**

Lorraine Jackson  
**T** +44 (0)114 276 5533  
**E** lorraine@jackson-eng.co.uk  

Unit 12C, Clarence Works  
Effingham Rd, Sheffield  
S4 7YS  
www.jackson-engineering.co.uk

Based in Sheffield, England, specialists in high quality contract and subcontract CNC machining and offering a complete service including advice, development and manufacture. We work closely with our clients from inception to production to produce their specific requirements. Our core business is the manufacture of complex machined products for the subsea and oil and gas sectors in a range of materials including Duplex, Super Duplex, 300 & 400 range stainless steels, aluminium / aerospace specifications and non ferrous alloys.
JDR Cables

Carl Pilmer
T +44 (0)1353 860022
E uk@jdrglobal.com

JDR is a leading provider of technology connecting the global offshore energy industry. Our products and services enable vital control and power delivery to offshore oil, gas and renewable energy systems. The world’s major energy companies and subsea service providers depend on high performance subsea control umbilicals and subsea power cables that operate in the world’s harshest offshore environments. JDR invests in state-of-the-art manufacturing facilities, technology and people to deliver these world-class subsea products. We have a proven track record of delivering client expectations and are totally committed to lifecycle customer service. We achieve this through our specialist engineering teams, experienced project management, integrated safety systems and a global service network that ensures 24/7 aftermarket support.

Jee Limited

Cara Low
T +44 (0)1732 371371
E info@jee.co.uk

Hildenbrook House, The Slade
Tonbridge, Kent TN9 1HR
www.jee.co.uk

Jee Ltd is a multi-discipline subsea engineering and training company operating in the global oil, gas and renewables industries. We are an independent firm of engineers with 25 years of experience in providing integrated subsea solutions spanning the whole life-of-field. Operating from offices in Aberdeen, London and Tonbridge, we work on a wide breadth of projects from design through construction, to operations to decommissioning. Clients come back to us for our expertise and consistently high standards of service.

Knighton Enterprises Ltd

Steve Sasanow
T +44 (0)1242 574027
E sen@btinternet.com

PO Box 27, Cheltenham
GL53 0YH
www.subsea-news.co.uk

Subsea information, consultancy and training services. Organiser of the subsea production systems engineering course for 10 years and former publisher of subsea engineering news.

Kongsberg Oil & Gas Technologies Ltd

Michael J Topp
T +44 (0)1224 27 8550

Unit 1 The Billings, Walnut Tree Close
Guildford, Surrey GU1 4UL
www.kongsberg.com/en/kogt

Kongsberg Oil & Gas Technologies serves the oil & gas industry as an established subsea EPC contractor and a developer of high performance information technology solutions for drilling operations, production, and the subsea environment. We optimise oil & gas operations through subsea engineering and technology development, data management, simulation, integration and analysis tools, and consultancy and services all leading to significant operational, HSE and financial performance gains.

KOS Kent Introl Limited

Simon Tattersall
T +44 (0)1484 710311

Armytage Road
Brighouse, West Yorkshire
HD6 1QF
www.kentintrol.com

Subsea information, consultancy and training services. Organiser of the subsea production systems engineering course for 10 years and former publisher of subsea engineering news.
Based in Brighouse West Yorkshire UK, KKI is owned by Nihon KOSO Co. Ltd of Japan, originally formed in 1967 under the name Introl Ltd, the company has evolved over the years. KKI specialises in the supply of subsea choke and control valves as well as topside control valves, choke valves and butterfly valves. Our valves are engineered by highly qualified and experienced personnel and our plant is accredited in accordance with Quality Management System ISO 9001 and Environmental Management System ISO14001, Health & Safety OHSAS 18001.

**KW Subsea**

Andreas Kyriacou  
**T** +44 (0)1483 738500  
Chester House, 76 – 86 Chertsey Road  
Woking, Surrey GU21 5BJ  
www.kwtd.com

KW is a high technology engineering consultancy specialising in subsea pipelines and SURF projects. Design services range from subsea architecture to deep water SURF to large diameter long distance export lines. Services start from early engineering selection through to concept, pre-FEED, FEED, detailed design, and execution. We have a proven track record with O&G majors, NOC’s and independents and all major contractors. KW operates globally and as part of Petrofac can integrate its services with large engineering resources and skills to jointly undertake complex oil and gas projects.

**LB Bentley Ltd**

Angela Carroll  
**T** +44 (0)1453 733110  
E angela.carroll@lb-bentley.com  
Kingfisher Business Park  
QL5 2BY  
www.lb-bentley.com

LB Bentley specialise in the design and manufacture of specialist small bore subsea valves for use within the oil and gas industry. With over two decades’ experience we have the edge in developing our valves to fully satisfy customer requirements for a wide range of applications. In developing our range of innovative products we have pioneered metal-to-metal sealing technology that reduces the risk of contamination and failure. As a solutions provider we stretch the boundaries of design with creative engineering, delivering a bespoke product that helps engineers solve their design challenges.

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Suzanne MacLean  
**T** +44 (0)141 227 2300  
11 Sandyford Place  
Glasgow G3 7NB  
www.mabbett.eu

Mabbett is recognised as the leading independent environmental, engineering, health and safety and sustainability consultancies in the U.K and Europe. Our success is primarily due to our integrated team and approach, Mabbett has some of the brightest thinkers in their fields this includes scientists, engineers and health and safety professionals. Team Mabbett has the technical acumen and a proven track record to understand the uniqueness and requirements of each project in depth; and has the expertise and commercial awareness to design and implement solutions which make sound business sense.

**MACAW Engineering Ltd**

Dr Pat Stokes  
**T** +44 (0)191 215 4010  
Floor 2, Q5, Quorum Business Park  
Benton Lane, Newcastle Upon Tyne  
NE12 8BS  
www.macawengineering.com

MACAW Engineering is a leading independent engineering consultancy working closely with global operators of oil & gas production facilities, pipelines and utility systems to reduce risk, maintain integrity and extend the service life of client assets. Based in Newcastle (UK), MACAW Engineering employs over 80 full time staff comprising of principal consultants, senior engineers and engineers covering a multitude of disciplines including mechanical engineering, corrosion engineering, materials engineering and welding.

**Manuplas Ltd**

Andrew Wickham  
**T** +44 (0)1752 771740  
E sales@manuplas.co.uk  
Unit 18 Estover Road  
PL6 7PY  
www.manuplas.co.uk
Manuplas, a global polymer engineering company, manufacturers buoyancy, clamping and protection solutions for the subsea, renewable and oil/gas sectors. Manuplas provide turn-key solutions (in-house design, tooling, manufacturing capabilities and test facilities). Manuplas use syntactic foam technology to manufacture products which operate in water depths down to 3000m. Subsea range includes pipe laying, modsyn, umbilical & transponder floats, installation & modular mooring buoys, distributed buoyancy modules & flange protectors. Surface products include buoys, boat and floating fenders.

**Maxoil Solutions Ltd**

![Maxoil Solutions Logo](image)

Olga Grecu George
T +44 (0)1224 726810

Enterprise Business Centre
Admiral Court, Poynermook Road
AB11 5QX

[www.maxoilsolutions.com](http://www.maxoilsolutions.com)

At Maxoil Solutions we understand the increasingly challenging needs and the importance of maximising the economic efficiency of their oil and gas assets. We achieve this by supporting them to implement robust performance enhancing strategies, founded on our Process Engineering and Production Chemistry. Our mission is to provide a holistic, practical approach to ensure a total engineering solution to troublesome oilfield processes. Our goal is the implementation of a safe oilfield solution to achieve the combined benefits of reduced environmental impacts and increased plant productivity.

**McDermott International**

![McDermott Logo](image)

Andrea Burnley
T +44 (0)1224 739 397
E subsea@mcdermott.com

Global House, 1 Ashley Avenue
Epsom KT18 5AD
[www.mcdermott.com](http://www.mcdermott.com)

McDermott is a leading engineering, procurement, construction and installation (EPCI) company focused on executing complex offshore oil and gas projects worldwide. Providing individual, combined or fully integrated EPCI services for upstream field developments, we deliver fixed and floating production facilities, pipelines and subsea systems from concept to commissioning, seafloor to shore.

**MDL part of Renishaw plc**

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Keith S. Park
T +44 1224 246700
E kpark@mdl.co.uk

Silverburn Crescent, Bridge of Don
Aberdeen AB23 8EW
[www.mdl-laser.com](http://www.mdl-laser.com)

With more than 25 years' experience, MDL (now part of Renishaw plc) is a global pioneer and world leader in laser measurement technology and positioning and navigation systems used by businesses which have reached the forefront of their industry by increasing their efficiency and providing the best technologies for their staff. MDL's Fanbeam® system is a laser based positioning sensor designed for repetitive, high accuracy range and bearing measurements from offshore support vessels and other marine structures. The system is primarily used as a dynamic positioning (DP) reference sensor.
Merlin ERD Limited

Iain Hutchison
T +44 (0)1738 627922
Merlin House, Necessity Brae
Perth PH2 0PF
www.MerlinERD.com

Merlin ERD Ltd delivers the industry’s longest wells for our clients, who enjoy less hassle and greater profits. Industry leaders in Extended Reach Drilling (ERD) with projects from Sakhalin to Australasia and the North Sea, we apply the latest drilling innovations to make drilling problems go away in all our deviated wells. Whether we’re completing feasibility studies, solving wellbore instability problems, avoiding costly rig upgrades with clever engineering or passing on our experience through our training courses, our clients benefit.

Metal Fabrication Systems Ltd

John Spence
T +44 (0)1207 271199
E john@metalfabricationsystems.co.uk
Metal House, Hobson Industrial Estate
Burnopfield, Newcastle Upon Tyne
NE16 6EA
www.metalfabricationsystems.co.uk

Metal Fabrication Systems was established in April 2004. It was formed with the intention of providing high quality bespoke fabrications for the offshore industries. We have a very comprehensive health and safety policy to maintain a safe working environment for our staff and visitors alike. Metal fabrication systems invest in the people we employ, whilst providing all the necessary training needed with apprenticeships working hand in hand with Derwentside college. We also have an equal opportunity policy. The company invested in the ISO 9001: 2008 and have completed our three year renewal.

CASE STUDY – MES

MES has conducted Reliability and Maintainability (R&M) studies as part of an overall reliability programme for BP’s West Nile Delta Gas Development. Equipment with the potential to lead to production shortfall were modelled to quantify the overall production availability of the field and subsequently compared with project targets. The study identified that the greatest contribution to production unavailability was due to the high degradation rate of the HIPPS system and the time required repairing the HIPPS module.

MES also recently used its proprietary software tool, PLASMA, to investigate different intervention vessel options and optimum number of spares for a subsea water injection system. It was essential that the availability of the water injection system was maintained at maximum design capacity at all times as any shortfall would have an observable impact on hydrocarbon production. The reliability study identified that the production availability of the subsea water injection system was predominantly influenced by the intervention vessel mobilisation delay and the number of spare Subsea Control Modules (SCMs).

For both of these cases, study outputs were used to assist in decision making for optimising design and configuration i.e. redundancy, maintenance strategy, sparing and ultimately improving production availability and profitability.

Metflex Precision Rubber Components Ltd

Mike Wynburg
T +44 (0)1254 884171
E sales@metflex.co.uk
20 Alan Ramsbottom Way BB6 7FE
www.metflex.co.uk

Metflex specialises in the manufacture and supply of precision rubber moulded components, rubber seals and diaphragms to a world-wide customer base. Metflex offers its customers a complete service, incorporating material development, concept planning, full project management, design, manufacture and tool trialling. The company serves a wide range of industry sectors including oil, gas, food and drink (dairy), domestic products, mass transit (drive couplings), Heating Ventilation and Air Conditioning (HVAC) and subsea applications. Let Metflex elastomers solve your problems.

Mokveld UK Ltd

Paul Lavender
T +44 (0)1285700719
Unit 9, Suite 9
Cirencester Office Park, Tetbury Road
Cirencester, Glos GL76JJ
www.mokveld.com

Mokveld provides the gas and oil industry with expert knowledge and advanced engineered valve systems for critical control and safety applications. Mokveld offers high-quality axial flow valves. These valves are the culmination of generations of ongoing, high-quality research, and an in-depth knowledge of our customers processes and operating practices. As a result, we can assist you to: increase production decrease operational and life-cycle costs enhance power savings.
CASE STUDY – Metflex

Diverless and ROVless riser and umbilical bend stiffener connectors developed by subsea connection specialist, First Subsea, use rubber springs manufactured by precision moulding company Metflex. The rubber springs are a key component of an innovative Automatic Release Clamp (ARC) pull-in head locking mechanism, providing a fully automated method of installing flexibles to production platforms.

First Subsea’s ARC design addresses the problem of the ‘weak link’ often experienced with some bend stiffener connectors where the shear-pin breaks ahead of complete installation, or is too strong resulting in connector being ‘over-pulled’ leading to installation problems. Instead, the ARC bend stiffener connector is a self-latching system that automatically de-latches when fully connected, eliminating the need for diver and ROV intervention. The Metflex rubber springs are used to maintain the preload on the bend stiffener connector’s ball and taper mechanism ahead of releasing the end fitting.

Using the ARC for bend stiffener connections greatly improves the efficiency of riser and umbilical connections. In addition to enabling quicker installations, thus reducing vessel time, it is also less dependent on the need for good weather conditions when installing flexibles.

MP Filtri UK Ltd

Paul Gavin
T +44 1451 822522
E pgavin@mpfiltri.co.uk

Bourton Ind Park
Bourton on the Water, Glos GL54 2HQ
www.mpfiltri.com

MP Filtri Group is an Italian owned company, with 50 years of experience in the hydraulic filtration market. It develops, manufactures & supplies a range of filtration, power transmission and ancillary products worldwide. MP Filtri UK Ltd acts as the fluid condition-monitoring wing of the group, both designing and manufacturing high quality instrumentation for portable, in-line and laboratory applications. Market sectors supplied worldwide include offshore, mobile, aerospace, industrial, renewable energy and biofuel.

N-Sea

Cees Noordhoek
T +44 (0)1224 517305
E c.noordhoek@n-sea.com

214 Union Street
Aberdeen AB10 1 TL
www.n-sea.com

N-Sea is an offshore subsea contractor specialised in IMR and survey services operating within the international oil and gas, renewable energy and utility sector. N-Sea expertise includes: air and TUP diving, construction and positioning support, inspections by diver and ROV, pipeline and cable inspections using WROV, geophysical survey and geotechnical investigations, UXO identification, excavation and removal. N-Sea’s policy is to provide customers professional, cost effective and high quality service where safety, health, environmental and quality factors are the number one priority.

Monaco Engineering Solutions Limited

Dr. Mehran Pourzand
T +44 (0)1372 227 997
E mehran.pourzand@mes-international.com

Randalls Road, Leatherhead, Surrey KT22 7RY
www.mes-international.com

MES is an independent and specialised risk, safety and reliability consultancy to oil and gas projects. We develop insights that explore plausible subsea technologies, assess associated technical risks, and effectively define and enforce reliability performance objectives in line with API RP 17N. Our extensive reliability engineering expertise and proprietary tools, such as PLASMA, provide innovative solutions which are highly customisable to project requirements and enhance availability and production assurance from deep-water wellhead, across topside and export and to onshore facilities.
CASE STUDY – N-Sea

The TUP Diving System®, designed and built in-house by N-Sea, is deployable from most DPII support vessels and platforms. It consists of a 3-man diving bell, launch and recovery system, triple-lock decompression chamber, gas diver control (air/trimix/nitrox) and hyperbaric rescue craft.

Now with Nitrox, efficiency begins at a much shallower depth range (20MSW) when compared to surface oriented air diving. A diver’s workable bottom time in the 20 to 33 m water depth range is longer. The reduced nitrogen pressure shortens the decompression time. Compared to saturation systems deployed for short diving operations in high current areas between 35 and 50 m water depth, the TUP Diving System® is a cost competitive alternative.

Main benefits of the TUP Diving System®: no surface decompression interval and a significant increase in workable bottom time and mobility.

Narec Ltd.

Andrew Tipping
T +44 (0)1670 357790
E andrew.tipping@narec.co.uk

Narec Ltd., Offshore House
Albert Street, Blyth, Northumberland
NE24 1LZ
www.narec.co.uk

Narec, a world leading offshore energy testing, research and development centre offers one of the largest dry dock subsea test facilities in the UK. Our largest dock (which was previously used for building aircraft carriers) is 8.2m deep, 26m wide and 76m long, which plays host to a wide range of subsea tests for bespoke installations and the validation of new technologies for offshore pipeline and cable infrastructure. Other subsea test facilities include a 4m deep artificial seabed for testing subsea trenching technology and a 5m deep wave flume.

National Hyperbaric Centre

T +44 (0)1224 698 895

National Hyperbaric Centre
123 Ashgrove Road West
Aberdeen AB16 5FA
www.nationalhyperbariccentre.com

The National Hyperbaric Centre (NHC) is an independent company providing expertise and services to the subsea pressure-related industries. We offer a wide range of services from training, hyperbaric welding, subsea testing and consulting to customers worldwide. Our understanding of extreme environments enables us to provide professional advice and services to customers of all industry markets. We have assembled a team of very experienced people with backgrounds from working in pressurised environments.

National Oceanography Centre

Stephen Hall
T +44 2380596666

National Oceanography Centre
Waterfront Campus, European Way
Southampton SO14 3ZH
www.noc.ac.uk

The National Oceanography Centre undertakes ocean research and technology development from coast to deep ocean. NOC provides integrated marine science capability incl. global-class research ships, autonomous underwater vehicles, 6500m-rated ROV, national marine equipment pool; sustained ocean observing, mapping and survey; data management, and scientific advice. With close links to the wider UK and international marine science community and manufacturers, NOC is able to meet your marine environmental assessment, seafloor ecosystem, autonomous vehicle, marine policy and Law of the Sea needs.
Navigation Engineering Services Ltd

Stuart McCall
T +44 (0)1779 481817
E gasgas@globalnet.co.uk

18 Gordon Street, Boddam, Peterhead AB42 3AY
www.naveng.co.uk

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Neptune Subsea Engineering Limited

Dr Lev Roberts-Haritonov
T +44 (0)1224 659950
26 Carden Place
AB10 1UQ
www.neptunems.com

Neptune provides specialist subsea engineering services, from conceptual to detailed design, fabrication, installation, inspection, repair and maintenance activities, to companies in the international oil & gas sector. The engineering divisions in Aberdeen and Perth, work with Neptune’s fabrication and offshore division providing integrated IRM solutions. With a successful track record and established client base Neptune are committed to being recognised as a leading provider of integrated engineered solutions to the subsea energy sector.

Newburgh Engineering

Matthew Jewitt
T +44 (0)1709 724260
E matthew.jewitt@newburgh.co.uk

Bessemer Way, Rotherham S60 1FB
www.newburgh.co.uk

Newburgh is a progressive contract manufacturer of high specification engineering component parts and assemblies. We offer a large production capability over two manufacturing sites combined with a highly skilled workforce. We deliver significant business benefits to our customers through our long-term manufacturing partnerships and project dedicated production cells. We offer a total service for the complete supply of essential safety / project critical components to global customers and projects. We are proud to be recognized as a key member of worldwide Oil & Gas supply chains.

NGK Berylco (UK) Ltd.

Justin Dodds
T +44 (0)161 7457162
+44 (0)161 74575240

Houston Park, Montford Street
Manchester M50 2RP
www.ngkberylco.co.uk

NGK Berylco are manufacturers of Beryllium Copper alloys which are widely used in many subsea applications. Beryllium Copper can be supplied in bar, rods, plate & strip in sizes from 0.05mm Thick to 350.0mm Diameter. We have vast stocks in our UK warehouse which can be shipped around the world within days.

CASE STUDY – Nylacast

Using advanced polymers, particularly those based around cast nylon, allow for a number of significant advantages within sheave applications. These include increased wire rope life, reduced component weight, protection against corrosion and reduced maintenance costs whilst offering improved lifting.

The versatile strength of Nylacast Nylon Sheaves sees them used more today than ever in ROV Launch & Recovery Systems (LARS). In the LARS application the sheave wheel is fitted to the ‘A’ frame or crane of greater diameter than the minimum bend radius of the ROV umbilical. The key factor is the strength of the Nylon material that allows for the weight of the ROV system as well as any increase in weight due to heavy sea states.

Nylacast are unique in being able to offer Nylon sheaves in a range of various material grades for further enhanced performance according to their use. Being made to order, Nylacast sheaves are available in a wide range of sizes from 2inch diameter up to 3meters. Furthermore they do not require any protective painting or coating and substantially increase the wear life of the rope being used on the sheave.

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Ocean Installer is a subsea entrepreneur headquartered in Stavanger, Norway, with offices in Aberdeen, Scotland, UK, and Houston, Texas, US. We provide the full range of subsea services and hold strong EPCI (Engineering, Procurement, Construction, Installation) expertise within the SURF (Subsea structures, Umbilicals, Risers, Flowlines) segment. Ocean Installer was established by experienced subsea professionals in 2011, in response to changing structures and increasing demand in the subsea construction industry. We aim to be a key service provider in the global SURF market.

Ocean Power Technologies

Paul Watson
T +44 (0)1926 623385
Warwick Innovation Centre
Gallows Hill, Warwick
CV34 6UW
www.oceanpowertechnologies.com

Ocean Power Technologies (OPT) is a world leading supplier of the PowerBuoy – a range of devices that harvests energy from waves providing our customers with the ability to deploy remote, persistent, autonomous UPS (Uninterruptable Power Supply) for differing ocean applications. Our wide range of devices (10W to 500kW) are applicable to a number of different markets including, utilities, defence and oil & gas. Designed for 3 years’ maintenance free operation the PowerBuoy offers not only an increase in capability, but also real cost reduction opportunities in terms of both CAPEX and OPEX.

Oceanlab, University of Aberdeen

Dave Sproule
T +44 (0)1224 274403
E d.sproule@abdn.ac.uk
University of Aberdeen Oceanlab
Main Street, Newburgh AB41 6AA
www.oceanlab.abdn.ac.uk

Oceanlab has a large hanger, with 2.5T forklift and crane, and a comprehensive suite for sub sea testing. Available on a commercial basis and includes: - 1800mm x 750mm, 700 bar hydrostatic pressure vessel. Software driven vibration table and supply of test design if required Software driven environmental chambers -40 to +180C Indoor test tanks up to 125m3. Cleaned pump ashore N. Sea seawater available.

Offshore Installation Services Ltd (OIS)

Michael Noble
Business Development Manager
T +44 (0)1224 452350
E michael.noble@ois-ltd.com
Tern Place House, Tern Place
Bridge of Don, Aberdeen AB23 8JX
www.ois-ltd.com

OIS, an Acteon Company, provides integrated project management services specialising in vessel-based subsea installation and decommissioning projects. OIS has an unrivalled track record in the successful abandonment of suspended wells and has completed over 100 projects since 1996 in the UKCS. OIS specialise in multi-operator decommissioning campaigns which enable operators to share project costs and ensure a cost-effective way to decommission non-revenue generating assets and comply with UK oil and gas legislation when compared with a rig based alternative.
CASE STUDY – Offshore Environmental Oils

Offshore Environmental Oils (OEO) was founded in early 2012 to fill a gap in the subsea market for environmental alternatives for mineral and synthetic oils used offshore.

We offer a range of topside and subsea hydraulic fluids covering general alternatives to mineral oils across a wide range of viscosities to more specific bespoke technologies such as HP/HT subsea production control and subsea actuator fluids.

Environmental legislation is becoming stricter every year and all products sold by OEO are designed to achieve the highest possible standard of environmental acceptability measurable in industry.

As fields are developed in increasingly remote locations, subsea systems are being subjected to hotter temperatures and higher pressures. We believe environmental oil based fluids are the future for these developments, with our flagship product CLEO able to withstand temperatures of 250°C for the project lifetime.

To take this belief from the laboratory to the practical environment, we focus heavily on the testing and qualification of our environmental oils, offering customers an extensive testing portfolio on all our products. We are able to offer bespoke fluid solutions to equipment manufacturers & operators, who trust OEO to provide the required technology for specific applications.

Offspring International Ltd

Mark Brooks
T +44 (0)1384 453880

Unit 8, Castle Court 2, Castlegate Way Dudley, West Midlands DY1 4RH
www.offspringinternational.com

Offspring International Limited (OIL) is a leading supplier of single point and deepwater mooring systems, offloading hoses, marine breakaway couplings, engineered ropes and navigational moorings. It is the worldwide agent for Lankhorst Ropes Offshore Division.

Oldham Engineering Ltd

Based in Birmingham, UK, and with a subsidiary office in California, US, OIL is a dedicated team of mooring professionals with over 100 years’ experience. OIL is an active member of the Oil Companies International Marine Forum, and represented on many oil and gas joint industry projects’ deepwater mooring committees.

Oldham Engineering is acknowledged as a reliable and trusted partner to clients in the nuclear, offshore, defence and general engineering sectors. Continued investment has ensured that Oldham Engineering can continue to offer its customers a competitive advantage in today’s global market. Oldham Engineering can undertake either small individual components or large turnkey projects to the highest specification, and is able to fabricate, machine and assemble under one roof, enabling a high level of quality control and project management.

OneSubsea

OneSubsea, a company jointly owned by Cameron and Schlumberger, delivers integrated solutions, products, systems and services for the subsea oil and gas market. The company offers a step change in reservoir recovery for the subsea oil and gas industry through integration and optimization of the entire production system over the life of the field.

Online Electronics Ltd

Claire Gribble
T +44 (0)1224 714714
E cg@online-electronics.com

Online House, 266 Auchmill Road Aberdeen AB21 9NB
www.online-electronics.com
Online Electronics Ltd (OEL) is the parent company of an international Group engaged in the pipeline sector of the global energy industry. OEL design and manufacture innovative products and systems employed during pipeline pig monitoring, data communication and logging operations. OEL combine acoustic, electromagnetic, magnetic and ultrasound technologies to produce flexible solutions. OEL’s services enables locating and monitoring, signalling, pressure/temp data logging, through pipe wall communications, gauge plate condition monitoring systems, subsea voltage detection and bespoke designs.

OPITO

Steph Crawford
T + (0)1224 787800
E communications@opito.com
Minerva House, Bruntland Road
Portlethen, Aberdeen AB12 4QL
www.opito.com

OPITO is the oil and gas industry’s focal point for skills, training and workforce development. A not-for-profit industry body, it is dedicated to developing and sustaining a safe, skilled and effective workforce both now and in the future. This is achieved by working in collaboration with industry employers, learning & training providers, education & academia, and partnership organisations. It also acts as the industry’s voice at Westminster and Holyrood, highlighting the key industry issues and helping to inform and shape government policy.

Pacson Valves

PACSON valves

Derek Mason
T +44 (0)1382 513655
Unit F, Claverhouse Industrial Park
Dundee DD4 9UA
www.pacson.co.uk

Pacson is a bespoke Subsea Valves manufacturer based in Dundee, Scotland. Supplying product to Wellhead manufacturers, Contractors and E & P companies worldwide. We have a total in-house capability to design subsea valves and pressure control products up to 16” (400mm bore), or up to 25,000psi (1700 bar) working pressure. Our range includes: Ball, Gate (slab & rotary), Needle & Check valves. All of the above are available in various configurations including both single isolation and double block and bleed valves with operation either by manual, hydraulic or ROV means.

Paradigm Flow Services Limited

Allan Browne
T +44 (0)1467 631234
Unit C5, Kintore Business Park
Kintore, Aberdeenshire
AB51 0YQ
www.paradigmflow.com

Paradigm Flow Services Ltd are recognised industry leaders offering a range of services to locate and remove blockages (waxes, asphaltenes, hydrates, scale & mechanical obstructions) in subsea riser, flowlines and umbilicals. Where conventional remediation approaches often fail or can not be applied our enabling services which includes a non-intrusive technology can be executed quickly, cost effectively and can greatly reduce engineering time, negate the requirement to break containment or the need to replace system infrastructure thus allowing the re-establishment of flow for our Clients.

PDL Solutions (Europe) Limited

Paul Charlton
T 01 434 609 473
E paul.charlton@pdl-group.com
1 Tanners Yard, Hexham
Northumberland NE46 3NY
www.pdl-group.com

PDL is a leading provider of advanced engineering design, finite element analysis and computational fluid dynamics consultancy services to the global subsea sector.

Pelagian Ltd

Pete Fisk
T +44 (0)1666 861222
E petefisk@pelagianinternational.com
Unit 2, Home Farm Business Centre
Minety, Malmesbury SN16 9DN
www.pelagian.co.uk
Established in 2002, Pelagian is a Subsea cable specialist consultancy and offshore personnel provider. Consultancy, survey, route engineering, permitting and experienced technical personnel and crewing provision. oil & gas, renewable, power and telecommunications cable project management.

Perfect Bore Manufacturing Limited

Steve Amey
T +44 (0)1264 360801
Sterling Park, East Portway Ind Estate Andover, Hampshire SP10 3TZ
www.pbm-ltd.com

Perfect Bore provides singular and turn-key solutions to both internal and external surface machining operations through its gundrilling, deep-hole boring, honing, superfinishing and CNC turning capabilities. We are a Bronze SC21 company totally committed to providing aerospace, defence, nuclear and oil & gas markets with bore solutions to highly critical parts.

Peritus International

Graham Taylor
T +44 (0)1483 312800
E graham.taylor@peritusint.com
5th Floor Export House
Cawsey Way, Woking, Surrey
GU21 6QX
www.peritusint.com

Peritus provides high end system engineering services to offshore oil and gas projects across the globe. Using highly experienced people, advanced technology and global knowledge networks, Peritus maximise client returns on developments in remote, hostile and deepwater environments. The Peritus model works on a network of regional engineering centres which enable specialised skills, knowledge and expertise to be shared across global operations. This model delivers lower cost, technically superior subsea solutions for clients.

Petrex Ltd

Mr Steve Dempster
T +44 (0)1224 452140
41 Albert Street
AB25 1XU
www.petrex.co.uk

Petrex, established in 2008 is a trusted independent subsea company. We deliver the complete range of project management and design engineering services from initial planning, FEED and consents through to all life of field services. Providing full subsea capability our in-house team of 25+ high calibre project specialists focus on “best for customer” throughout the project cycle. Working with solid industry partners we enjoy exceptional levels of repeat business through proven project delivery and our renowned levels of customer care. View our 3D visualisations on YouTube Petrex Channel.

PhotoSynergy Ltd

Don Walker
T +44 (0)1334 463327
E info@photosynergy.co.uk
North Haugh St Andrews Scotland KY16 9SS
www.photosynergy.co.uk

PhotoSynergy Ltd (PSL) is a Scottish based company that has lighting innovation at its core with a highly skilled and experienced team. PSL has developed lighting systems operating with optical fibre to produce a continuous “line of light” lightpath that carries only light no electrical power for challenging environments. Integration of lightpath into an Air Dive Umbilical to enhance safety PSL working with Boskalis Offshore Subsea Services, Bibby Offshore, Helix Well Ops UK Ltd with Marine applications areas such as deck guard rails and open hatches and below deck identifying egress routes.

Pipe and Tube Machines Ltd

Glenn Borley
T +44 (0)1206 616959
Unit7a, Heath Farm
Cockaynes Lane, Alresford
Colchester Essex
CO7 8DA
www.pipeandtubemachines.co.uk
Pipe and Tube Machines Ltd are a family run business offering the personal service missing from large companies. We supply pipe and tube bending machinery to suit a vast array of applications. From Mingori we have manual hydraulic pipe bender. We supply to many companies in Scotland and throughout the UK Ercolina rotary draw benders for bending stainless pipe work. With professional advice and machinery and tooling always in stock. Some rotary draw benders available in 110 volts, 230 volts and 415 volts. We supply many different types of Engineers throughout the UK on specialist projects.

**Premier Chemicals Ltd**

Stephen Lyons  
T +44 (0)1480 878134  
E sales@premchemltd.com  

Studio 3 West  
Woodwalton Business Park  
PE28 5YL  
www.premchemltd.com

Premier Chemicals are a global supplier of chemical technologies for the purification of breathable and industrial gases. Specialist suppliers of saturation diving purification chemicals for the removal of harmful gases in saturation dive systems, bell scrubbers & living chambers. With locations throughout the world and high quality products Premier Chemicals is the company of choice for many subsea construction companies. Safety and compliance are at the forefront of what we do and our company is ISO:9001 certified and REACH compliant to EU chemical regulations.

**Pulse Structural Monitoring**

Edward Elletson  
T +44 (0)1483 865123  
E edward.elletson@pulse-monitoring.com  

1-7 Cherry Street, Woking, Surrey  
GU21 6EE  
www.pulse-monitoring.com

Pulse is the leader in marine structural monitoring and has been responsible for the provision of highly successful monitoring systems and services to the offshore oil & gas industry since 1998. Pulse provide a wide range of subsea, topside and metocean systems for drilling, completion/ workover and production stages of operations. These systems measure a range of parameters including wellhead fatigue, riser fatigue, mooring line tension, buoyancy can behavior, environmental & metocean conditions and many more.

**QoSL Industrial Marketing & Sales**

James Bromley  
T +44 (0)1224782486  
E j bromley@qosl.com  

Enterprise Centre  
Aberdeen Energy Park  
Aberdeen AB23 8GX  
www.qosl.com

Quality of Sales assists Industrial Science based companies to improve their EBIT – typically: R&D houses, OEMs, integrators, specialist contractors selling up to the primes and operators. QoSL provides Board advisory, management consultancy, operational contracting to address market opportunity or internal improvement situations.
Quadrant EPP UK Ltd

Quadrant is the world’s largest manufacturer of engineering plastic products. All materials are manufactured in-house and, in addition to the renowned Nylatron used in the manufacture of cable sheaves and track plates, also produce advanced plastics which are designed to withstand the pressures and temperatures experienced in deep water drilling and exploration. Our advanced plastics can operate at temperatures of 315°C and minus 200°C. These technically advanced polymer products open up exciting opportunities for new applications in the subsea sector.

Quick Hydraulics Limited

A high quality provider of hydraulic equipment and services for the subsea industry. Products include hydraulic power units for subsea production systems, offloading systems, ROV launch & recovery systems and rig skidding units. We also undertake offshore equipment surveys, and provide installation, commissioning and MRO services.

Rawwater Engineering Company Ltd

An innovative scientific and engineering resource. Europe’s largest suite of bio-reactors for through life reservoir simulations, the Dynamic TVS is industry bench marked, to forecast souring trends and inform decisions concerning: production chemistry, materials, chemical remediation, and economics. Rawwater pioneered the development of a well bore plug, by harnessing the properties of bismuth alloys, to engineer a high integrity plug, an alternative to plugging with cement. With Operating Companies support, a range of P & A plugs, compliant with Industry Standards is being developed.

Reef Subsea Integrated Projects

Reef Subsea Integrated Projects manages sophisticated vessels and technically advanced subsea assets to optimise field life for our clients. With international operational experience and a wealth of multi-skilled employees, we offer a comprehensive portfolio of integrated subsea services, specialising in installation, construction, trenching and IMR workscopes. Our vessels offer flexible deck space for a range of operations and can be provided with industry leading trenching technology, heavy lifting offshore cranes and Work Class ROVs, capable of operating to depths of 3000 metres.

Remote Ocean Systems Ltd

Units 4/5 Gordon Court, Durno
Inverurie, Aberdeenshire
AB51 5ER
www.rosys.com or www.rosys-uk.com
ROS Inc. has been an industry leader in design and manufacturing of equipment & systems for the most severe oceanographic, nuclear and military environments since 1975. Our standard product line includes, underwater video cameras, underwater lights, pan and tilt units & video inspection systems. ROS Inc. HQ have a 28,000sq.ft. research and manufacturing facility in San Diego, CA, with a modern machine shop, hydrostatic pressure test tank, electronics lab, advanced computer modelling & prototyping systems & environmental test chambers. Please visit our website for further current details.

Responsive Engineering Group

Simon Worrall
T: +44 (0)191 4973400
Kingsway South, Team Valley
Gateshead NE11 0SH
www.responsive-engineering.com

Through one portal, customers can access high precision CNC machining, specialist welding and fabrication, pressing, assembly and test operations as well as profiling using the latest Waterjet and Laser cutting technologies. We are manufacturing partners to numerous OEMs and are constantly engaged in projects such as ROVs, Intervention equipment, drilling products, artificial lift, connection systems, gas turbines, subsea control modules.

RJD Engineering

Alex Chadburn
T: +44 (0)1709 531951
E: alexchadburn@rjd-eng.com
Hellaby Lane
Hellaby Industrial Estate, Rotherham
South Yorkshire S66 8HN
www.rjd-eng.com

About RJD Engineering Company
With over 40 years of experience in a vast array of industries worldwide, RJD’s success is based on consistently delivering quality fabrications, on time and on budget. Our offshore fabrication & machining expertise is Dedicated to Quality & service. BS EN ISO 9001:2008 RJD operates a Quality Management System approved by CCAS BS EN ISO 3834 part 2 certified by TWI (The Welding Institute), to BS EN 1090 Part 1 & 2 RJD operates a welding management system certified by TWI Achilles Link up Registered sponsor & supplier qualified by audit NCCA

ROCOL A Division of ITW Ltd

Jamie Williams
T: +44 (0)1123232610
Rocol House, Wakefield Road
Swillington, Leeds, West Yorkshire
LS26 8BS
www.rocol.com/products/wireshieldrov-grease

ROCOL manufacture a comprehensive range of wire rope lubricants which have been proven over many years of service to: – reduce wear on wires and strands, maximising service life – provide outstanding corrosion protection – resist water wash-off, extending re-lubrication intervals – minimise environmental impact ROCOL wire rope lubricants are designed to be as easy to apply as possible by whichever method is most convenient and offers a range of products which comprise of wire rope dressing, wire rope spray, wire rope fluid, biogen rope guard, wireshield and wireshield biogen ROV.

Saab Seaeye Ltd

James Douglas
T: +44 (0)1489 898 000
E: james.douglas@saabgroup.com
20 Brunel Way, Segensworth East
Fareham, Hants PO15 5SD
www.seaeye.com

Saab Seaeye are the worlds leading supplier of electric ROVs. Renowned throughout the world for their innovation, reliability, support and performance of their ROVs, Saab Seaeye has supplied electric ROVs to industries as diverse as Energy to Defence, Scientific, Environmental, Inshore Inspections and Private Yachts. Saab Seaeyes range starts with the very popular Falcon Inspection vehicle and goes all the way up to the world class Jaguar.

Saint-Gobain Seals Group

Steve Armstrong
T: +44 (0)1778 560764
E: steve.j.armstrong@saint-gobain.com
13 Earlstrees Road, Corby
Northants NN17 4NP
www.seals.saint-gobain.com
Our extensive experience in the oil & gas industry allows us to continue to design compliant, innovative sealing solutions that fulfill increasing performance requirements for engineered equipment in the upstream sector. Our OmniSeal spring-energized seals are used in various subsea applications and meet the most difficult challenges: HPHT, harsh chemicals, Rapid Gas Decompression. Also, our proprietary Fluoroloy fluoropolymers are qualified to API 6A / ISO10423 F.1.13 Testing of non-metallic seals and Norsok M710rev2 at 2% H2S concentration and above.

Schoolhill Hydraulic Engineering Co Ltd

Mr Ronald Whyte
+44 (0)1224 871086
ronaldw@schoolhillengineering.com
4 Greenbank Place, Tullos
Aberdeen AB12 3RJ
www.schoolhillengineering.com

A leading force in hydraulic engineering, Schoolhill offer a complete design, manufacture and testing service for a wide range of hydraulic powered equipment, hydraulic cylinders for subsea operation and other harsh environments. The company also manufactures a variety of subsea control valves. Our range of patented integrated gripper cylinders for Tree Running Tools (TRTs), LRPs and TCMRTs is steadily growing.

Capital equipment includes pipe handling systems, dipping tables, swaging machines (350t 500t 750t) and induction heating systems for premium tubulars.

Scotia Instrumentation Ltd

Kenneth Anderson
+44 (0)1224 222888
Campus 1 Aberdeen Science and Technology Park, Balgownie Road
Bridge of Don, Aberdeen AB22 8GT
www.scotia-instrumentation.com

Scotia specialise in the sale, hire, calibration and repair of test and measurement equipment. We have a dedicated R&D department which allows us to produce specialist logging equipment suitable for subsea use in commissioning and testing of pipelines.

Scour Prevention Systems

Katie Musgrave
+44 (0)1502509225
info@scourprevention.com
OrbisEnergy Wilde Street
NR32 1XH
www.scourprevention.com

Lowestoft based Scour Prevention Systems Ltd are providers of an innovative solution to seabed scour around subsea structures, pipelines and cables. The company’s patented, field-proven Scour Prevention Mats consist of a matrix of end-of-life vehicle tyres which form a stable layer to stabilise the seabed and protect structures against the impacts of scour.

SEACON (Europe) Ltd

Kevin Hall
+44 (0)1493-652733
SEACON House, Hewett Road
Gapton Hall Industrial Estate
Great Yarmouth, Norfolk NR31 0RB
www.seaconworldwide.com

The SEA CON® Group are world leaders in underwater connector technology and provide an extensive and diverse range of electrical, optical and hybrid connector assemblies, submersible switches and cable system solutions for many applications within the Oceanographic, Defense, Oil and Gas and Environmental markets. With locations in California, Texas and Rhode Island, USA, Mexico, Brazil, the United Kingdom and Norway and a worldwide network of agencies and representatives, SEA CON® is able to supply very quick solutions to any requirements across the globe.

Seafab Consultants Ltd

June Palin
+44 (0)1224 797940
info@seafab.co.uk
Wellheads Terrace, Dyce AB21 7GF
www.seafab.co.uk

Seafab provides full design, engineering and fabrication services for all industries on or offshore; specialising in exotic piping and structural fabrications: structural fabrication of frames, platforms, clamps, grillages etc. Fabrication of pipework (PED Compliant) in a wide range of material. Manufacture of pressure vessels.
Seatronics Ltd
Graeme Ross
T +44 (0)1224 853100
Geoscan House, Denmore Road
Bridge of Don AB23 8JW
www.seatronics-group.com

Seatronics, an Acteon company, specialise in marine electronic equipment rental and sale for a range of applications: geophysical survey; navigation and positioning; oceanographic systems; video inspection; ROV survey; ROV tooling, diving & non destructive testing and computer systems. In addition to equipment rental and sales, Seatronics supply and manufacturer subsea connectors and cable moulds and have state of the art calibration facilities throughout our global offices in Aberdeen, Abu Dhabi, Houston, Macaé, New Iberia, Perth and Singapore.

Sembmarine SLP Limited
Andrew Thomson
T +44 (0)1502458000
E andrew.thomson@sembmarineslp.com

Hamilton Dock Hamilton Road
Lowestoft, Suffolk NR32 1XF
www.sembmarineslp.com

Sembmarine SLP has over 40 years’ EPC project experience in offshore structure design, fabrication, procurement, installation and hook-up services. Based in the East of England with unrestricted access to the North Sea, our subsea capabilities include, wellhead templates, wellhead protection frames, pipe end connectors, manifolds; brownfield modification and riser tie-in installation, & commissioning.

Senergy
Murray Douglas
T +44 (0)1224 213440
E murray.douglas@senergyworld.com
15 Bon Accord Crescent
Aberdeen AB11 6DE
senergyworld.com

Senergy Development Solutions core skills include; development engineering, project development, flow assurance, process engineering, subsea and pipeline engineering, project leadership and delivery, project services and due diligence. In the UK SDS operates from Aberdeen, Edinburgh and London. Senergy Survey & GeoEngineering comprise a team of nearly 50 experts at several locations throughout the UK. This includes a development team, who specialise in providing integrated geoscience, engineering, survey and knowledge management services to the global marine energy sector.

SETS
Jim Keir
T +44 (0)1651 863631
E jkeir@setsltd.com

Newmachar Business Centre
Kingsseat Business Park Newmachar
Aberdeen AB21 0UE
www.setsltd.com

SETS is a specialist subsea engineering and project management resource, focused on small construction and IRM projects. The highly experienced team provide clients with:
- Work scope development
- Resource management – SCIRM projects
- SCIRM engineers at all levels
- Procurement and logistics professionals
- Extensive experience at all levels of interventions
- Equipment control Based in Aberdeen, SETS is working with leading contractors and operators in the global energy sector.

Severn Subsea Technologies
Brian Green
T +44 (0)1209 312000
E brian.green@severnst.com

Research Centre, 6 Jon Davey Drive
Redruth, Cornwall
TR16 4AX
www.severnst.com

Founded in 1999, Severn Subsea Technologies (SST) is the Severn Glocon Group’s Subsea Processing R&D Centre. It specialises in the development of subsea and downhole tools and instrumentation for subsea systems and HPHT environments. It’s core technologies are control valves and HPHT downhole tools and associated heat shielding, electronics and software. SST products include: directional control valves (DCV), mechanical HIPPS, stab plates and smart tools. In addition, it offers subsea engineering and design services together with advanced manufacturing and test facilities.
A Guide to UK Subsea Capability for the Oil and Gas Industry

Ship-Inspect Ltd

Brian Smith
T +44 (0)7799010865
E brian.smith@ship-inspect.com

Enterprise Business Centre
Admiral Court, Poyndennook Road
Aberdeen AB11 5QX
www.ship-inspect.com

Ship-Inspect was formed to provide owners, marine operators and charterers of offshore support vessels, and other interested party’s with an inspection service from an independent third party.

Silvercrest/SME

Mr Whitfield
T +44 (0)1285 760 620

The Taut, Oakridge
GL6 7PA
www.SilvercrestSubmarines.com

Silvercrest/SME specialize in the bespoke manufacturing of submersible motors, HPUs, and pumps for use on ROVs, subsea trenchers, subsea ploughs, dredgers and water lift pump systems. We offer a range of submersible motors (1hp to 1500hp) with a choice of voltages (380vac to 6600vac) for use subsea to depths of 6000msw. All motors are available in either SS316, Duplex, Super Duplex, or Hard Anodized Aluminium finish. We can also design and build motors to suit your individual and special project requirements.

SMD

Andrew Hodgson
T +44 (0)1912342222

Turbinia Works, Davy Bank
Wallsend, Newcastle upon Tyne
NE28 6UZ
www.smd.co.uk

Soil Machine Dynamics Ltd (SMD) is one of the world’s leading manufacturers of remote intervention equipment, operating in hazardous environments worldwide. With a strong and unique heritage and a proven track record in subsea engineering, SMD has grown to be the number one independent designer and manufacturer of work class and specialist subsea remotely operated vehicles (ROVs) worldwide.

Sonardyne International Ltd

Barry Cairns
T +44 (0)1252 872288

Ocean House
Blackbushe Business Park
GU46 6GD
www.sonardyne.com

Sonardyne delivers trusted solutions for acoustic positioning, inertial navigation, wireless communications and sonar imaging to the offshore oil and gas, maritime defence and ocean science industries. From our origins in the North Sea through to today’s deepwater developments, innovation and performance have maintained our reputation for technical leadership. Headquartered in the UK with international offices strategically located for the highest level of service, Sonardyne’s global reach ensures that we can deliver, commission and support operations in the most remote, hostile locations.

Sparrows Baricon

Alan Saynor
T +44 (0)1224 704868
E alan.saynor@sparrowsgroup.com

Seton House, Denmore Road
Murcar Industrial Estate
Bridge of Don, Aberdeen
AB23 8JW
www.sparrowsgroup.com

We provide subsea lay equipment and services throughout the entire life cycle – from conceptual design through to installation and commissioning, life operation, maintenance, refurbishment and decommissioning. Servicing the offshore and onshore oil and gas markets, we design and build complete subsea pipe-laying systems, including carousels, reel drives and tensioners. We can provide equipment (sale or hire) as an entire system or as separate components to work with your existing equipment.
CASE STUDY – Speciality Welds Ltd

Speciality Welds Ltd, a specialist welding training and certification provider is the only company to offer a fully certified, independently accredited underwater welding programme anywhere in the world.

The Weldcraft-Pro™ training programme is an 80 hour training syllabus that follows the European Welding Federation (EWF) and International Institute of Welding (IIW) guidelines for underwater fillet-welder on plate. The course is certified through EAL. EAL is part of SEMTA – Sector Skills Council for Science, Engineering and Manufacturing Technologies and is UK’s leading awarding-body for engineering qualifications. This certification provides independent, quality assured, audited controls, thus, making it the only externally awarded wet welding training programme to issue internationally recognised/verified qualifications anywhere in the world. The programme is also recognised by IMarEST, The Institute of Marine Engineering, Science and Technology under their CPD programme.

The course is offered to commercial diving schools, following approval of their instructors and administrators, under a licence agreement, where Speciality Welds provides all the learning materials, exams, audit controls and delivery mechanisms to deliver and control training. Training is divided into dry and wet welding, together with a series of learning outcomes (LOC) where candidates must complete written work and take an end of course exam. Practical welder qualification testing is provided under BSEN ISO 15618-1: 2002. Training is open to both non-welders and welders alike and provides for the essential skills foundation training for a commercial diver, to ensure they meet industry demands now and in the future.

The author is the companies MD, Mr. David J. Keats. David has worked in the industry since the early 70’s and is a recognised industry expert in this field and has published a number of titles on underwater welding.

We are industry experts, offering welding procedure development and approval, welder training and qualification testing, QA/QC advise, welding inspection/NDT. We are an approved EAL test centre and accredited Zurich welding surveyors. We offer the only accredited underwater welding course available; The Weldcraft-Pro and we manufacture a range of underwater welding products and consumables.
SRP, an Acteon company, supplies subsea hardware for the oil and gas industry, specialising in fatigue loaded applications, including risers and moorings, high strength steel components and welding. SRP’s expertise extends to general subsea engineering, equipment integration, quality control and procurement – all skills developed from the design and delivery of an extensive range of products for subsea high pressure riser supply.

**Stainless Steel Fasteners Limited**

Jack Wood  
**T +44 (0)1246 451818**  
**E jw@ssf.co.uk**  
Broombank road, Chesterfield  
Derbyshire S41 9QJ  
www.ssf.co.uk

SSF is the leading supplier of special fasteners and the only manufacturer to have NORSOK approval from Statoil. Production is fully controlled in-house. We offer a wide selection of raw materials, fast and reliable delivery times and made to measure products in small to medium sized quantities. All products can be manufactured to international standards (ASTM ASME, DIN, BS etc) or according to technical drawings. We are also accredited to ISO 19001/18001 and 14001. All of our products come with full 3.1 certification free of charge. PMI testing is carried out on 100% of issued material.

**STATS Group**

Dale Millward  
**T +44 (0)1224 772461**  
**E info@statsgroup.com**  

STATS Group Limited  
STATS House, Toftihills Way  
Midmill Industrial Estate, Kintore  
Aberdeen AB51 0QG  
www.statsgroup.com

STATS have developed a diverse range of pipeline isolation and repair products covering subsea oil, gas and marine pipelines. Our portfolio is built around a commitment to continued R&D and product development. STATS offer remote piggable pipeline isolation plugs, pipeline retrieval tools and dual seal structural repair clamps. STATS partner with major operators in the development and support of Emergency Pipeline Repair Isolation Systems (EPRIS) to minimise the downtime of damaged subsea pipelines. STATS EPRIS and subsea services provide fully engineered emergency pipeline repair equipment.

**Stephenson Engineering**

Mark Thorpe  
**T +44 (0)1942 883046**  
**E markt@stephensoneng.co.uk**  

Gibfield Works, Colliery Lane  
Atherton, Manchester  
M46 0RD  
www.stephensoneng.co.uk

Stephenson Engineering (ISO 9001 approved) have a prime facility for the manufacture of medium to heavy fabrications/components. We offer high integrity fabrications by coded welders. Large capacity CNC machining. Profiling. Painting & shot blasting. Non destructive & proof load testing unit.

**Steatite Limited**

James Munger  
**T +44 (0)1527 512400**  

Ravensbank Business Park  
Acanthus Road, Redditch  
Worcestershire B98 9EX  
www.steatite.co.uk

Steatite design and manufacture specialist battery packs specifically for subsea and marine monitoring, unmanned vehicles and portable power. These are already utilised with success in oceanographic applications including Autonomous Underwater Vehicles (AUV), pipeline inspection, seismic surveying, acoustic profilers, sonar devices, ocean buoys, sensing, GPS systems and memory storage. As approved global supplies to defence, oil & gas and oceanographic markets, Steatite also supplies the latest radio systems, rugged computers and embedded computers suited to marine applications.
A Guide to UK Subsea Capability
for the Oil and Gas Industry

Directory of UK subsea companies

**SUBC Engineering Ltd**

SUBC Engineering Ltd is subsea services and training company, headquarted in Aberdeen. Company provides top quality subsea engineering personnel with BOP, control and motion compensation equipment experience on a worldwide basis to drilling contractors, service companies and shipyards. SUBC can assist from supplying a subsea engineer for crew relief for a few days or to complete project management of BOP and control system upgrades installation and commissioning. Company also provides subsea and hydraulic training courses, accredited by IADC DIT and BFPA.

Subsea 7 is a global leader in the provision of engineering, construction and services to the offshore energy industry worldwide. With one of the world's most versatile fleets, we have a proven track record, built up over 35 years, of safely and reliably executing and integrating projects of all sizes and complexity in all water depths. With a strong focus on the subsea umbilical, riser and flowline (SURF) market globally, our extensive experience in major SURF, Life-of-Field, Conventional and Hook-up projects has made us a trusted partner with national and international energy companies.

**Subsea Innovation Ltd**

Formed in 1985 by a team of experienced engineers and diving professionals Subsea Innovation is a company dedicated to delivering state of the art engineering products to the offshore oil & gas and energy industry throughout the world. Subsea Innovation are a world leader across their extensive product range that can be split into the following categories: offshore equipment handling systems pipeline repair/recovery systems subsea sealing systems Subsea Innovation also provide after care, spare parts and installation supervision services to all of their products.

**Subsea Deployment Systems Ltd**

SDS Ltd. offers a low cost method of installing or removing large subsea structures without using a Heavy Lift Vessel. The Subsea Deployment System is a safe, simple, low cost alternative to a conventional lifted installation. It offers the potential to install or remove structures weighing up to several thousand tonnes in water depths of up to 3000m in the harshest environments using a small crane vessel or anchor handling tug.

**Subsea Protection Systems**

SPS House, 225 Southtown Road
Great Yarmouth NR31 0JJ
www.sps.gb.com

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Graeme Kinnell
UK Business Development Director
T +44 (0)1224 526000
E graeme.kinnell@subsea7.com

East Campus, Prospect Road
Arnhall Business Park, Westhill
Aberdeen AB32 6FE
www.subsea7.com

Martin Moon
T +44 (0)1325 385270
E info@subsea.co.uk

3 Roundhouse Road
Darlington DL3 0UR
www.subsea.co.uk

David Rogers
T +44 (0)1493 600 700

SPS House, 225 Southtown Road
Great Yarmouth NR31 0JJ
www.sps.gb.com
SPS designs and manufactures products for the protection and stabilisation of structures, cables, pipelines and other assets in the subsea environment. It operates globally in the offshore energy sector, with a successful track record of delivering major projects in the oil and gas and offshore renewable sectors. SPS offers innovative engineering solutions for subsea challenges such as scour and impact protection.

**Surface Technology International Limited**

Martin Gower-Smith  
T +44 (0)1256 768070  
E martin-gower-smith@sti-limited.com

Osborn Way  
RG27 9HX  
www.sti-limited.com

**Swagelining Limited**

David Whittle  
T +44 (0)845 180 3444  
E david.whittle@swagelining.com

1 Aurora Avenue, Clydebank  
Glasgow G81 1BF  
www.swagelining.com

Swagelining Limited is where polymer materials engineering meets pipeline construction. In the subsea hydrocarbon sectors, Swagelining is becoming an increasingly important solution for protecting new and existing pipelines from internal corrosion. The technology has benchmark status in water injection systems and is now being recognised for higher temperature and hydrocarbon applications where previously only corrosion resistant alloys were considered as suitable. Swagelining Limited offers an Integrated Lining Service delivering polymer lining protection to flowlines and risers worldwide.

**Swathe Services**

Chloe Tidy  
T +44 (0)1872 275642

1 Calenick House  
Truro Technology Park, Heron Way  
Truro, Cornwall TR1 2XN  
www.swathe-services.com

Swathe Services supplies highly skilled survey support personnel, rental and sales of survey equipment to marine engineers, dredging contractors and survey companies. Our team of IHO/FIG CAT A surveyors specialise in swathe bathymetry using multi-beam and interferometry systems. Approved distributors for The Oceanscience Group, R2SONIC, Valeport and Applanix.

**Swiftool Precision Engineering Ltd**

Paul Seagrave  
T +44 (0)1623 528630  
E paul.seagrave@swiftool.co.uk

Swiftool House, Brookside Way  
Huthwaite, Nottingham NG17 2NL  
www.swiftool.co.uk

Swiftool Precision Engineering Ltd is a progressive UK award winning sub-contract manufacturing business of excellence. SPE specialise in the supply of high integrity subsea precision machined components, kits, mechanical assemblies and turnkey engineering projects. Delivered in accordance to the oil & gas sectors national and internationally recognised standards. Nottinghamshire based, in a 35,000 sq ft facility SPE offer exceptional HSE, quality and delivery performance to our global customers.

**Technip Umbilical Systems**

Emma Maddison  
T +44 (0)191 295 0303

DUCO Ltd, Nelson Road  
Walker Riverside  
Newcastle upon Tyne NE6 3NL  
www.technip.com
Technip Umbilical Systems (TUS) market a comprehensive range of bespoke umbilical systems, subsea products and offshore services backed by a 30-year record of excellence in project execution, strong engineering capabilities and a singular focus on creating value for our clients. With manufacturing facilities in UK, USA, West Africa, and Malaysia, we deliver exceptional turn-around and service to clients all over the world. A major capital investment program is further upgrading our assets to include the world’s most modern steel tube umbilical manufacturing facility at our UK facility.

**Teledyne Oil and Gas**

Unit 26-28, Decoy Road
Worthing, West Sussex BN14 8ND
T +44 (0)1903 854800
www.teledyneoilandgas.com

Teledyne Oil & Gas delivers high reliability engineered solutions for subsea/topside pipeline asset integrity monitoring, sensing and power/data network interfacing and distribution applications in the oil and gas exploration and production industry. Products and services: flow assurance and pipeline asset integrity sensing and monitoring; electrical, optical penetrations, and distribution systems for power and data network interfacing; cable solutions for harsh environments; application-focused new product development with systems and materials expertise.

**Teledyne TSS Limited**

Martyn Grange
T +44 (0)1923 216020
1 Blackmoor Lane
WD18 8GA
www.teledyne-tss.com

Teledyne TSS designs and manufactures a range of subsea sensors for motion measurement, navigation and pipe and cable survey and tracking.

**TETRA Offshore Services - EOT Cutting**

Eddie Grant
T +44 (0)7788 926096
E egrant@tetratec.com

2 Provost Smith Court
High Street, Inverurie
Aberdeenhire AB51 3XY
www.tetratec.com

A TETRA Company, has been providing decommissioning cutting solutions to the oil and gas industry since 2006. With more than 15,000 successful cuts of various types, the experience of EOT is recognized around the world. The Offshore Division of TETRA Technologies, including EOT, is ISO 9001:2008 Certified.

**The Underwater Centre**

Steve Ham
T +44 (0)1397 703786
E fortwilliam@theunderwatercentre.com

Marine Walk, Carmichael Way
Fort William PH33 6FF
www.theunderwatercentre.com

The Underwater Centre is the ideal location to conduct subsea trials and testing, allowing you to get the best from your trial in a quick and cost effective way. With tidal water depths over 150m, an onshore seawater tank and experienced personnel, the Centre provides a convenient solution to subsea testing. The Centre also provides specialist training for commercial divers, ROV pilot technicians and associated support staff at its purpose built facilities, replicating the offshore environment, as well as bespoke training programmes for corporate clients in a contextual experience environment.

**Tiger Lifting**

David Inglis
T +44 (0)1665605130

Unit 1, Greensfield Industrial Estate
Alnwick, Northumberland NE66 2DG
www.tigerlifting.com

Home of the Tiger Hoisting range & Tiger Subsea lifting products. Manufacturing lifting products for 50 years we continue to innovate and work with end users to offer fit for purpose lifting machines and accessories for the ever changing offshore and subsea environments.

**Transvac – Ejector Solutions**

Peter Ainge
T +44 (0)1773 831100
E sales@transvac.co.uk

Monsal House, 1 Bramble Way
Alfreton, Derbyshire DE55 4R
www.transvac.co.uk

**Tratos Ltd**

Craig Ormsby  
T +44 (0)845 413 9990  
10 Eagle Court Britton Street  
Farringdon, London EC1M 5QD  
www.tratos.eu

Tratos have been producing cables for use in the oil and gas industry for over 40 years. We provide cables for a large variety of onshore and offshore operations, including umbilical cables for offshore applications, as well as highly specialised subsea cables. Tratos produce cables to meet numerous standards, mud resistant types, and American, British and European standards including NEK 606, BS6883 & UKOOA.

**Trelleborg Offshore**

Jo Shailes  
T +44 (0)1695 712000  
E offshore@trelleborg.com  
Stanley Way, Skelmersdale  
Lancashire WN8 8EA  
www.trelleborg.com/offshore

Using advanced polymer material technology, Trelleborg Offshore provides high integrity solutions for the harshest & most demanding offshore environments. We specialize in the development & production of polymer, rubber & syntactic foam based products. Our innovative engineered solutions accelerate performance for customers in a sustainable way.

**Tripak Limited**

Joyce Errington  
T +44 (0)191 4950101  
Europa House, Stoneygate Lane  
Felling, Gateshead NE10 0LX  
www.tripakltd.com

Major supplier to specialist tapes and products used in subsea umbilical manufacture.

**Tritech International Ltd**

Scott McLay  
T +44 (0)1224 744 111  
Peregrine Road  
Westhill Business Park AB32 6JL  
www.tritech.co.uk

Tritech International Limited [Tritech], a Moog Inc. company, is a high-technology business dedicated to providing the most reliable imaging and ancillary equipment for use in underwater applications and remains an industry leader in the provision of sensors and tools for ROVs and AUVs. The company’s Sales & Customer Support offices are located in Westhill, Aberdeenshire, Scotland and in Katy, Texas. Tritech also provides a dedicated support office in Macae, Brazil. The company’s design & production sites are located in Ulverston, Cumbria and in Edinburgh, Scotland.

**CASE STUDY – Trelleborg Offshore**

Leading global manufacturer of polymer and syntactic foam-based solutions, Trelleborg, was awarded a contract to provide NOV Flexibles with 25 polyurethane vertebrae bend restrictor assemblies for static flowlines on the field development and production expansion of the Parque das Baleias oil field, offshore Brazil.

The polyurethane restrictors brought a number of significant benefits to the project such as reduced installation and maintenance time and more cost-effective materials, with significantly lower whole life cost, as plastic does not corrode. The restrictors also have a greatly reduced weight, making them neutrally buoyant in water, meaning considerably less stress is applied to the flowline and adjacent parts of the subsea structure during both installation and service.

The P-58 FPSO, which operates on the Baleia Azul field in the Parque das Baleias area, north of the Campos Basin, is moored 48 miles/78 km offshore in a water depth of 4,593 feet /1,400 meters, and is expected to last for 25 years.

Successfully completing this job is another major achievement in an important growth region for Trelleborg and demonstrates our support of our customers’ pursuit to reach greater subsea depths.
Trouvay & Cauvin Ltd

Channelling energy

Jon Mason
T +44 (0)161 684 7488
E info.uk@trouvaycauvin.com

Broadgate, Broadway Business Park
Chadderton, Greater Manchester OL9 9XA
www.trouvaycauvin.com/uk

Subsea forged fittings, flanges, connectors and valves are the main subsea focus for Trouvay & Cauvin Ltd. With European manufacturers, who stand for compliance, competitiveness and flexibility, T&C are confident that their range of subsea products will compliment their existing product range of valves, SPs and piping.

TWI Ltd

Sean Fewell
T +44 (0)1223 899000

Granta Park, Great Abington
Cambridge CB21 6AL
www.twi.co.uk

TWI is a world leading research and technology organisation. Over 700 staff give impartial technical support in welding, joining, material science, structural integrity, NDT, surfacing and packaging. Services include generic research, confidential R&D, technical information, technology transfer, training and qualification.

UTEC Geomarine

Dr Peter Allan
T +44 (0)191 453 7900

Swan Building, Prestwick Park
Newcastle Upon Tyne NE20 9SJ
www.geomarine.co.uk

A part of the UTEC group, UTEC Geomarine provides a wide range of geotechnical services supporting the offshore project life cycle including expert engineering and specialist operations. The company is fundamentally committed to providing innovation. Our services are designed to add value and provide focussed solutions to the seabed investigation, intervention, excavation, and trenching challenges faced by these complex and demanding industries.

UTEC Survey Construction Services Ltd

Kevin McBarron
T +44 (0)1224 812020

UTEC House
Spires Business Units
Mugiemoss Road, Aberdeen AB21 9NY
www.utecsurvey.com

UTEC is one of the world’s largest independent offshore survey companies providing a wide range of survey services including offshore positioning, construction support, geophysical (conventional towed and AUV) surveys, dimensional control (including laser scanning and 3D modeling) as well as geotechnical (consultancy and sampling) services. UTEC has offices located around the world including Australia, Brazil, Canada, Indonesia, Italy, UAE, UK and USA.

Viking SeaTech

Kate Hodson
T +44 (0)1224 914780

1 Albyn Terrace
AB10 1YP
www.vikingseatech.com

Viking SeaTech delivers long-standing expertise and industry-leading technological innovation. We are driven by a desire to lead the way to faster, safer, better marine and mooring operations. We provide our customers with an integrated service, relentlessly striving to meet the changing demands of the world’s offshore energy assets.

- Engineering
- Marine Equipment and Services
- Inspection
- Survey
- People

You will see the positive difference our people generate in your business.
Viper Subsea Technology Limited

Max Nodder
T +44 (0)1275 390008
Unit 8, Middle Bridge Business Park
Bristol Road, Portishead, Bristol
Somerset BS20 6PN
www.vipersubsea.com

Viper Subsea is a company specialising in providing management, engineering and procurement services and has substantial experience in subsea controls and distribution equipment, including Control Modules, Umbilicals, HPUs, TUTUs, SDUs, UTAs, EDUs, SAMs, Stab Plates and Jumpers (electrical and hydraulic). Service include asset integrity management of subsea controls and distribution equipment. We have developed a unique set of services specialising in subsea electrical insulation failure identification and fault remedy based on the use of our proprietary technology.

Vulcan SFM

Vulcan SFM has the full resources of Sheffield Forgemasters to complete your project on-time and to your specifications. We have an integrated manufacturing facility which comprises unrivalled metallurgical expertise, 90 tonne electric arc furnace, 4000 and 10000 tonne open die forging presses, heat treatment, quench and extensive machining capabilities. We have onsite a dedicated mechanical test house and inspection capabilities. We appoint a dedicated project manager to handle your order and act as a focal point to make sure technical and commercial questions are addressed quickly.

Weir Valves & Controls UK Ltd

Andy Hole
T +44 (0)1422 282000
Britannia House
HX5 9JR
www.weirpowerindustrial.com

Weir Valves & Controls designs and manufactures valves for the global power generation, oil & gas and industrial sectors. Our industry renowned product brands include – Engineered valves that deliver high performance and reliability in general and severe service duties – Isolation valves for tight shut off – Control and choke valves for process control Our portfolio of engineered service solutions and aftermarket support can improve operating performance and operable life of valves in all applications.

WFS Technologies Ltd

Ian Crowther
T +44 (0)845 862 6600
E info@wfs-tech.com
7 Houstoun Interchange Business Park
EH54 5DW
www.wfs-tech.com

WFS is the world’s leading supplier of subsea wireless instrumentation and control solutions for the oil and gas industry. From construction to decommissioning, WFS supports a range of applications to deliver increased safety, reliability and efficiency: wireless video to save ROV time and ensure right first time operations; wireless sensors for integrity management and field life extension; wireless monitoring and control of subsea assets; wireless data gathering from sensors using ROV or AUV; wireless powering and charging without wet-mate connectors; wireless ROV tools and sensors.

Wilton Engineering Services Ltd

Charlie Sullivan
T +44 (0)1642 546 611
E charlie.sullivan@wiltonengineering.co.uk
Port Clarence Offshore Base
Port Clarence Road
Middlesbrough TS2 1RZ
www.wiltonengineering.co.uk

Wilton Engineering Services is a company specialising in providing management, engineering and procurement services and has substantial experience in subsea controls and distribution equipment, including Control Modules, Umbilicals, HPUs, TUTUs, SDUs, UTAs, EDUs, SAMs, Stab Plates and Jumpers (electrical and hydraulic). Service include asset integrity management of subsea controls and distribution equipment. We have developed a unique set of services specialising in subsea electrical insulation failure identification and fault remedy based on the use of our proprietary technology.
Wilton Engineering supports the offshore oil and gas industry with innovative designs, world class manufacturing and application of specialist coatings. Wilton’s portfolio consists of: consultancy and FEED, design and analysis, fabrication and assembly, multidiscipline project management and construction, installation and commissioning, engineering and labour support services, and in-house shot-blasting, coating and painting services. Wilton’s experience and capability supports all of these key areas independently or as complete turnkey solutions.

**Wood Group Kenny**

Eddie McCusker  
T +44 (0)1224 347300  
E eddie.mccusker@woodgroupkenny.com  
Caledonian House  
234 Union Street  
Aberdeen  
www.woodgroupkenny.com

Wood Group Kenny provides engineering design, project management, operations support and operations integrity assessment with thirty-five years worldwide experience covering offshore engineering, subsea, pipeline and riser design, materials engineering and renewable energy developments. We have more than 2800 professional staff in 27 offices worldwide providing multi-disciplinary teams for all stages of an engineering project, from concept design and front end engineering through detail design and into operations and decommissioning.

**Xodus Group Ltd**

Frank Smith  
T +44 (0)1224 628300  
Xodus House, 50 Huntly St  
Aberdeen AB10 1RS  
www.xodusgroup.com

Xodus Group a team of 160 Subsea & Pipeline resources offering core and specialist expertise across the full range of Subsea disciplines across the asset lifecycle. Drawing on the specialist skills and competencies of our people, Xodus can assist and guide clients in planning, designing, managing and supporting projects and operations from early design to decommissioning. Clients benefit from the integration that characterises Xodus Group – close collaboration and communication, data sharing, maximising opportunities and managing risks to make sure first oil/gas dates are met.

**Zenocean Limited**

James McLean  
T +44 (0)1224 582234  
E jmclean@zenocean.com  
The Wallace Hall AB13 0EN  
www.zenocean.com

Zenocean have operated for over 20 years as a subsea engineering and project management contractor with explicit intent of bridging the gap between the front-end aspects of screening & selection of development options, to the subsea design environment and operational activities involved in subsea installation, intervention, IRM and decommissioning. The company has developed a reputation for high quality engineering and management. During this time Zenocean has worked for most oil and gas operators in the North Sea and in numerous overseas locations.
Deep water developments lie at the heart of the subsea industry’s future optimism – 481 deepwater discoveries were made between 2007 and 2012. Only 38% of all known deepwater reserves are in production, therefore the opportunity for expansion is substantial.

Source: 2013 Subsea Business Activity Review, Subsea UK
### Subsea companies key services

#### Acoustic Positioning, Control & monitoring Equipment and services

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#### Asset Integrity Management

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#### Bend stiffeners / Restrictors

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#### Buoyancy / Flotation

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## Cables and protection equipment and services

- 3M
- Balmoral Offshore Engineering
- Celanese
- DeepOcean
- Derrick Offshore Ltd
- Ecosse Subsea Systems Ltd
- Eztek Ltd
- Falmouth Divers Ltd
- First Subsea Ltd
- Hydro Group plc
- Jee Limited
- Manuplas Ltd
- Pelagian Ltd
- Reef Subsea Integrated Projects
- ROCOL A Division of ITW Ltd
- Scour Prevention Systems
- SEACON (Europe) Ltd
- Subsea Innovation Ltd
- Subsea Protection Systems
- Tratos Ltd
- Trelleborg Offshore
- Tripak Limited

## Coating systems

- 3M
- Bodycote
- Component Force Ltd
- GCG Group
- Hardide Coatings
- Highland Galvanizers & Highland Colour Coaters
- Marubeni Itochu Tubulars Europe plc
- PRD Fasteners Ltd t/a LoneStar PRD
- ROCOL A Division of ITW Ltd
- Stork
- Wilton Engineering Services Ltd

## Corrosion management, monitoring, control

- Aubin Integrity
- Bodycote
- Buckleys (UVRAL) Ltd
- DNV GL
- Flexife Limited
- Frazer-Nash Consultancy Ltd
- GCG Group
- Innospection Ltd
- Inspectahire Instrument Company Ltd
- Intoco
- IQ Integrity Ltd
- MACAW Engineering Ltd
- ROCOL A Division of ITW Ltd
- Stork
- Swagelining Limited
- Teledyne Oil and Gas
- TWI Ltd
- WFS Technologies Ltd

## Cryogenic equipment and services

- Halliburton Pipeline & Process Services
- OneSubsea
- Trouvay & Cauvin Ltd

## Decommissioning

- Allspeeds Ltd
- Aubin Pipelines
- Buchan Technical Services Limited
- Byron LTD
- Ceona
- CETCO Energy Services Limited
- Claxton Engineering Services Ltd
- Cutting Underwater Technologies Ltd
- Deep Tek Ltd
- DeepOcean
- DNV GL
- Douglas-Westwood
- First Subsea Ltd
- Flowline Specialists Limited
- Frazer-Nash Consultancy Ltd
- Geoprober Limited
- Hiretech Ltd
- Hydro-Dynamics Ltd
- Hydrobotics
- Imenco UK Ltd
- Intec (UK) Ltd
- Maxoil Solutions Ltd
- Offshore Installation Services Ltd (OIS)
- PDL Solutions (Europe) Limited
- Petrex Ltd
Subsea companies key services

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<td>Oceanlab, University of Aberdeen</td>
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<td>Speciality Welds Ltd</td>
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<td>SUBC Engineering Ltd</td>
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<td>The Underwater Centre</td>
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<td>Pelagian Ltd</td>
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<td>SEACON (europe) Ltd</td>
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<td>Teledyne Oil and Gas</td>
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<td>MDL part of Renishaw plc</td>
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<td>Speedy Asset Services</td>
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<td>UTEC Geomarine</td>
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<td>Viking SeaTech</td>
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<td><strong>Surface Technology International Limited</strong></td>
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<tr>
<td><strong>Wood Group Kenny</strong></td>
<td>65</td>
<td></td>
</tr>
</tbody>
</table>
Subsea companies key services

Fabrication & machining

3Ks Engineering Company Ltd 12
Alnmaritec Ltd 13
Beauford Engineers 16
Bodycote 17
CAMROV Subsea Ltd 19
Component Force Ltd 21
Concept Steels Ltd 21
Destec Engineering Ltd 23
DMI Precision Engineering Limited 23
Evenort LTD 25
General Welding Supplies (NW) Ltd 28
Hawke Precision Engineering 30
Hydratight Limited 34
Intoco 37
Jackson Engineering 37
Metal Fabrication Systems Ltd 41
Metflex Precision Rubber Components Ltd 41
Mokveld UK Ltd 41
Neptune Subsea Engineering Limited 44
Newburgh Engineering 44
Nylacast 45
Oldham Engineering Ltd 48
Perfect Bore Manufacturing Limited 50
Pipe and Tube Machines Ltd 50
PRD Fasteners Ltd t/a LoneStar PRD 51
Quadrant EPP UK Ltd 52
Responsive Engineering Group 53
RJD Engineering 53
Schoolhill Hydraulic Engineering Co Ltd 54
Seafab Consultants Ltd 54
Sembmarine SLP Limited 55
Stainless Steel Fasteners Limited 58
Stephenson Engineering 58
Swiftool Precision Engineering Ltd 60
Transvac - Ejector Solutions 61
Wilton Engineering Services Ltd 64

Failure & Forensic investigation

MACAW Engineering Ltd 39
TWI Ltd 63

Flow assurance equipment and services

Apollo Offshore Engineering 14
Atkins 14
Atmos International Ltd 15
Aubin Pipelines 15
CETCO Energy Services Limited 21
Frazer-Nash Consultancy Ltd 27
Goodwin International Ltd 29
Halliburton Pipeline & Process Services 30
INTECSEA (UK) Limited 36
Kongsberg Oil & Gas Technologies Ltd 38
Kos Kent Introl Limited 38
KW Subsea 39
Maxoil Solutions Ltd 40
OneSubsea 48
Online Electronics Ltd 48
Paradigm Flow Services Limited 49
PDL Solutions (Europe) Limited 49
Peritus International 50
Rawwater Engineering Company Ltd 52
Senergy 55
Subsea Innovation Ltd 59
Teledyne Oil and Gas 61
Transvac - Ejector Solutions 61
Weir Valves & Controls UK Ltd 64
Wood Group Kenny 65
Xodus Group Ltd 65

Geohazard and Site Investigation

Applied Acoustic Engineering Ltd 14
Coda Octopus Products Ltd 21
Senergy 55
UTEC Survey Construction Services Ltd 63

Geophysical / Geotechnical Services

Applied Acoustic Engineering Ltd 14
Ashtead Technology 14
GEOxyz 29
N-Sea 42
NGK Berylco (UK) Ltd. 44
Pelagian Ltd 49
Scour Prevention Systems 54
Seatronics Ltd 55
Senergy 55
Swathe Services 60
UTEC Geomarine 63
UTEC Survey Construction Services Ltd 63
Xodus Group Ltd 65
Hydraulic equipment & services

Allspeeds Ltd 13
b solutions 16
BiS Valves Limited 17
CAMROV Subsea Ltd 19
DMI Precision Engineering Limited 23
Fisher Offshore 26
Hiretech Ltd 34
HTL 34
Hydratight Limited 34
Hydrobotics 35
MP Filtri UK Ltd 42
NGK Berylco (UK) Ltd. 44
Pipe and Tube Machines Ltd 50
Quick Hydraulics Limited 52
Saint-Gobain Seals Group 53
Schoolhill Hydraulic Engineering Co Ltd 54
Silvercrest/SME 56
Speedy Asset Services 57

Inspection, Repair and Maintenance

Alnmaritec Ltd 13
Ambix NDT Ltd 13
AMSIS Limited 14
Aubin Integrity 15
Aubin Pipelines 15
Bibby Offshore Ltd 16
Bibby Remote Intervention Ltd (BRIL) 16
Bowtech Products Ltd 17
Buckleys (UVRAL) Ltd 18
Byron LTD 18
CETCO Energy Services Limited 21
Coda Octopus Products Ltd 21
Cutting Underwater Technologies Ltd 22
DeepOcean 22
DMI Precision Engineering Limited 23
DOF Subsea 23
Douglas-Westwood 24
Falmouth Divers Ltd 25
Forum Subsea Technologies 26
Fugro GEOS Ltd 27
Fugro Subsea Services Limited 27
GCG Group 28
Glentrading (UK) Ltd 29
Hallin Marine 30
Harkand 30
Hayward Tyler 31
HTL 34
Hydro-Dynamics Ltd 35
Hydrobotics 35
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Intech Marine UK Ltd 35
Innospection Ltd 36

Inspectahire Instrument Company Ltd 36
Intec (UK) Ltd 36
IQ Integrity Ltd 37
JDR Cables 38
Kos Kent Introl Limited 38
Mabbett 39
Monaco Engineering Solutions Limited 42
MP Filtri UK Ltd 42
N-Sea 42
Ocean Installer 45
Online Electronics Ltd 48
Paradigm Flow Services Limited 49
Petrox Ltd 50
Pulse Structural Monitoring 51
Quick Hydraulics Limited 52
Reef Subsea Integrated Projects 52
ROCOL A Division of ITW Ltd 53
Saab Seeye Ltd 53
Schoolhill Hydraulic Engineering Co Ltd 54
Scour Prevention Systems 54
SETS 55
Ship-Inspect Ltd 56
Sonardyne International Ltd 56
Speciality Welds Ltd 57
STATS Group 58
SUBC Engineering Ltd 59
Subsea 7 59
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TWI Ltd 63
Viking SeaTech 63
WFS Technologies Ltd 64
Zenocean Limited 65
Subsea companies key services

**Installation & commissioning**
- AMSIS Limited 14
- Apollo Offshore Engineering 14
- Aubin Pipelines 15
- Bibby Offshore Ltd 16
- Bibby Remote Intervention Ltd (BRIL) 16
- Byron LTD 18
- Ceona 20
- CETCO Energy Services Limited 21
- Deep Tek Ltd 22
- DeepOcean 22
- DOF Subsea 23
- Douglas-Westwood 24
- Ecosse Subsea Systems Ltd 24
- General Welding Supplies (NW) Ltd 28
- GMC Limited 29
- Green Palm Marine Consultancy 29
- Harkand 30
- Hayward Tyler 31
- Imtech Marine UK Ltd 35
- Indicom Global Limited 36
- McDermott International 40
- N-Sea 42
- Offshore Installation Services Ltd (OIS) 45
- Petrex Ltd 50
- Quick Hydraulics Limited 52
- Schoolhill Hydraulic Engineering Co Ltd 54
- SETS 55
- Ship-Inspect Ltd 56
- STATS Group 58
- SUBC Engineering Ltd 59
- Subsea 7 59
- Subsea Protection Systems 59
- Wilton Engineering Services Ltd 64

**Integrity Management & Monitoring**
- 2H Offshore 12
- ADIL 12
- Atkins 14
- Atmos International Ltd 15
- Aubin Integrity 15
- Bowtech Products Ltd 17
- Buckleys (UVRAL) Ltd 18
- CSL 22
- Fugro GEOS Ltd 27
- HGL Dynamics Ltd 31
- Innospection Ltd 36
- IQ Integrity Ltd 37
- JDR Cables 38
- Jeff Limited 38
- Kongsberg Oil & Gas Technologies Ltd 38
- KW Subsea 39
- Mabett 39
- MACAW Engineering Ltd 39
- Maxoil Solutions Ltd 40
- Merlin ERD Limited 41
- Monaco Engineering Solutions Limited 42
- Paradigm Flow Services Limited 49
- Pulse Structural Monitoring 51
- Stork 58
- Viper Subsea Technology Limited 64
- WFS Technologies Ltd 64
- Wood Group Kenny 65

**Measurement / Metrology / NDT equipment and services**
- Ashtead Technology 14
- Buckleys (UVRAL) Ltd 18
- DMI Precision Engineering Limited 23
- Innospection Ltd 36
- Inspectahire Instrument Company Ltd 36
- MDL part of Renishaw plc 40
- MP Filtri UK Ltd 42
- Ocean Power Technologies 45
- Scotia Instrumentation Ltd 54
- Surface Technology International Limited 60

**Medical / Emergency Response Equipment and services**
- Capita Health and Wellbeing 19

**Mooring / Buoy systems**
- Aubin Subsea 15
- Balmoral Offshore Engineering 16
- DOF Subsea 23
- First Subsea Ltd 26
- InterMoor LTD 37
- KW Subsea 39
- Manuplas Ltd 39
- Nylacast 45
- Ocean Power Technologies 45
- Offspring International Ltd 48
- SRP (Subsea Riser product) 57
- Viking SeaTech 63

**Maritime security**
- Ocean Power Technologies 45
- PhotoSynergy Ltd 50
- Sonardyne International Ltd 56
# A Guide to UK Subsea Capability for the Oil and Gas Industry

## Naval Architecture
- Apollo Offshore Engineering
- Contract Design (Northern) Ltd
- Green Palm Marine Consultancy
- InterMoor Ltd
- Offspring International Ltd
- Prospect

## Navigation Equipment and Services
- Imtech Marine UK Ltd
- InterMoor Ltd
- MDL part of Renishaw plc
- Navigation Engineering Services Ltd
- Offspring International Ltd
- Sonardyne International Ltd
- Teledyne TSS Limited

## Pipelines Rigid / Flexible Supply
- Celanese
- Ceona
- Component Force Ltd
- Concept Steels Ltd
- DNV GL
- Ecosse Subsea Systems Ltd
- Falmouth Divers Ltd
- Marubeni Itochu Tubulars Europe plc
- McDermott International
- Quest Offshore Strategic Resources
- SRP (Subsea Riser product)
- Swagelining Limited

## Pipeline Rigid / Flexible Design, Inspection & Testing Services
- 2H Offshore
- Aubin Pipelines
- Celanese
- CSL
- DNV GL
- DOF Subsea
- Flexlife Limited
- Glenthering (UK) Ltd
- GMC Limited
- Green Palm Marine Consultancy
- Halliburton Pipeline & Process Services
- Hiretech Ltd
- Inspectahire Instrument Company Ltd
- INTECSEA (UK) Limited
- Jee Limited

## Positioning Services
- Applied Acoustic Engineering Ltd
- Aubin Subsea
- Coda Octopus Products Ltd
- General Welding Supplies (NW) Ltd
- GEOxyz
- MDL part of Renishaw plc
- Seatronics Ltd
- Viking SeaTech

## Project Management Services
- 2H Offshore
- ACE Technologies (UK) Ltd
- ADIL
- AGR Facilities Solutions AS
- AMSIS Limited
- Bibby Offshore Ltd
- Bibby Remote Intervention Ltd (BRIL)
- Cairndene
- Ceona
- CSL
- Docmate Services Ltd
- Etpm Ltd
- Falmouth Divers Ltd
- Flexlife Limited
- Geoprobe Limited
- Glenthering (UK) Ltd
- Halliburton Pipeline & Process Services
- Hallin Marine
- Hydro-Dynamics Ltd
- Indicom Global Limited
- Intec (UK) Ltd
- INTECSEA (UK) Limited
- JDR Cables
- McDermott International
- Neptune Subsea Engineering Limited
- Ocean Installer
- Offshore Installation Services Ltd (OIS)
- Petrex Ltd
- QoSL Industrial Marketing & Sales
- SEACON (Europe) Ltd
- Sembmarine SLP Limited
- SETS
- UTEC Geomarine
- Zenocean Limited
Subsea companies key services

Q-S

Quality, Health, Safety and Environment

ADIL 12
Ambix NDT Ltd 13
Atmos International Ltd 15
Caiman Software Development Ltd 18
Capita Health and Wellbeing 19
Docmate Services Ltd 23
Intec (UK) Ltd 36
Mabbett 39
Monaco Engineering Solutions Limited 42
National Oceanography Centre 43
PhotoSynergy Ltd 50
QoSL Industrial Marketing & Sales 51
Rawwater Engineering Company Ltd 52
ROCOL A Division of ITW Ltd 53
UTECH Geomarine 63

Remotely Operated Vehicles and Autonomous underwater vehicles

Bibby Offshore Ltd 16
Bibby Remote Intervention Ltd (BRIL) 16
Bowtech Products Ltd 17
CAMROV Subsea Ltd 19
Coda Octopus Products Ltd 21
DeepOcean 22
Derrick Offshore Ltd 23
Ennsub Ltd 24
Fugro Subsea Services Limited 27
Hayward Tyler 31
Hydro-Dynamics Ltd 35
Hydrobotics 35
i-Tech 35
National Oceanography Centre 43

Ocean Power Technologies 45
Saab Seabase Ltd 53
Seatronics Ltd 55
Silvercrest/SME 56
SMD 56
Steatite Limited 58
UTECH Survey Construction Services Ltd 63

Subsea Control & monitoring equipment and services

AMSIS Limited 14
C-Tecnics 18
EFC Group 24
Eztek Ltd 25
Forum Subsea Technologies 26
Goodwin International Ltd 29
HGL Dynamics Ltd 31
Hydro Group plc 35
JDR Cables 38
LB Bentley Ltd 39
MP Filtri UK Ltd 42
Navigation Engineering Services Ltd 44
Newburgh Engineering 44
NGK Beryco (UK) Ltd. 44
OneSubsea 48
Online Electronics Ltd 48
Peritus International 50
Pulse Structural Monitoring 51
Quest Offshore Strategic Resources 52
Remote Ocean Systems Ltd 52
Scotia Instrumentation Ltd 54
Severn Subsea Technologies 55
SMD 56
Sonardyne International Ltd 56
Surface Technology International Limited 60
Tritech International Ltd 62
Viper Subsea Technology Limited 64

Subsea handling Equipment and services

3Ks Engineering Company Ltd 12
AGR Facilities Solutions AS 13
Beauford Engineers 16
Caley Ocean Systems 19
Ecose Subsea Systems Ltd 24
Ennsub Ltd 24
Fisher Offshore 26
Flowline Specialists Limited 26
Hiretech Ltd 34
Imenco UK Ltd 35
Mokveld UK Ltd 41
Paradigm Flow Services Limited 49
PhotoSynergy Ltd 50
SMD 56
Sparrows Baricon 56
Speedy Asset Services 57
Subsea Innovation Ltd 59

Subsea Instrumentation and sensors

Ashtead Technology 14
C-Tecnics 18
Coda Octopus Products Ltd 21
EFC Group 24
Fugro GEOS Ltd 27
Mokveld UK Ltd 41
Navigation Engineering Services Ltd 44
NGK Beryco (UK) Ltd. 44
Ocean Power Technologies 45
Scotia Instrumentation Ltd 54
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Teledyne Oil and Gas 61
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<td>Tritech International Ltd</td>
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<td>WFS Technologies Ltd</td>
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<td>HTL</td>
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<td>Neptune Subsea Engineering Limited</td>
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<td>Subsea Innovation Ltd</td>
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<td>Swiftool Precision Engineering Ltd</td>
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<tr>
<td>Trouvay &amp; Cauvin Ltd</td>
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<tr>
<td>Viper Subsea Technology Limited</td>
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### Subsea production systems

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<td>Douglas-Westwood</td>
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<td>Glentradning (UK) Ltd</td>
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<tr>
<td>Goodwin International Ltd</td>
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<td>Hayward Tyler</td>
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<td>Hydro Group plc</td>
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<td>Kongsberg Oil &amp; Gas Technologies Ltd</td>
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<td>Newburgh Engineering</td>
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<td>OneSubsea</td>
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<td>Pacson Valves</td>
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<td>Paradigm Flow Services Limited</td>
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<td>PDL Solutions (Europe) Limited</td>
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<tr>
<td>Quest Offshore Strategic Resources</td>
<td>52</td>
</tr>
<tr>
<td>Reef Subsea Integrated Projects</td>
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<tr>
<td>Saint-Gobain Seals Group</td>
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<td>Severn Subsea Technologies</td>
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<tr>
<td>Silvercrest/SME</td>
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<tr>
<td>Swiftool Precision Engineering Ltd</td>
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<tr>
<td>Technip Umbilical Systems</td>
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<td>Transvac - Ejector Solutions</td>
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<td>Tritec International Ltd</td>
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<tr>
<td>Weir Valves &amp; Controls UK Ltd</td>
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</tbody>
</table>
## Subsea companies key services

### Test facilities
- Buchan Technical Services Limited 18
- Claxton Engineering Services Ltd 21
- HTL 34
- JDR Cables 38
- MACAW Engineering Ltd 39
- Manuplas Ltd 39
- Narco Ltd 43
- National Hyperbaric Centre 43
- Oceanlab, University of Aberdeen 45
- PRD Fasteners Ltd t/a LoneStar PRD 51
- SEACON (Europe) Ltd 54
- Severn Subsea Technologies 55
- The Underwater Centre 61
- Transvac - Ejector Solutions 61

### Thermal insulation
- Trelleborg Offshore 62

### Thrusters & propulsion systems
- Imtech Marine UK Ltd 35
- Saab Seaseye Ltd 53
- Silvercrest/SME 56

### Umbilical /riser equipment and services
- 2H Offshore 12
- Allspeeds Ltd 13
- Ambix NDT Ltd 13
- AS Mosley & Co Ltd 14
- Aubin Integrity 15
- Balmoral Offshore Engineering 16
- C-Tecnic 18
- Celanese 20
- Ceona 20
- Cutting Underwater Technologies Ltd 22
- Derrick Offshore Ltd 23
- Ennsub Ltd 24
- Flexlife Limited 26
- Flowline Specialists Limited 26
- Green Palm Marine Consultancy 29
- Hiretech Ltd 34
- JDR Cables 38
- KW Subsea 39
- Metflex Precision Rubber Components Ltd 41
- Ocean Installer 45
- PDL Solutions (Europe) Limited 49
- Peritus International 50
- Quest Offshore Strategic Resources 52
- SEACON (Europe) Ltd 54
- Subsea 7 59
- Technip Umbilical Systems 60
- Tratos Ltd 62
- Trelleborg Offshore 62
- Tripak Limited 62
- Viking SeaTech 63
- Vulcan SFM 64

### Vessel / Ship brokers and services
- Alnmaritec Ltd 13
- Clarkson Enship 21
- Derrick Offshore Ltd 23
- Etpm Ltd 25
- GE/Oxy 29
- Hallin Marine 30

### Welding products, equipment and services
- 3M 12
- Ambix NDT Ltd 13
- B solutions 16
- Bodycote 17
- Brogan Fuels 18
- Component Force Ltd 21
- General Welding Supplies (NW) Ltd 28
- Mokveld UK Ltd 41
- Pipe and Tube Machines Ltd 50
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