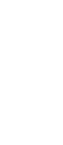




# Falmouth Divers Ltd

## Submarine Cable Operations Summary List



## SUBMARINE CABLE OPERATIONS

Since the formation of Falmouth Divers in 1978, the installation and maintenance of submarine telecommunication and power cables has been a core sector of our business.

We operate both as a specialist sub-contractor to the major installation contractors and as main contractors for smaller installation projects such as estuary and river crossings, replacement array cables, site investigations and remedial works projects.

Services provided include (but not limited too):

- Diving and beach team support for shore end landings.
- Diving support for offshore wind farms and marine turbines.
- Burial machine and trencher support.
- Complete installation of river, estuary and inter-island cables (including all onshore civil engineering works).
- Repair and replacement of array and short distance export cables.
- Site investigations and route surveys.
- Project Management.
- Cable stabilisation including trenching, clamping, articulated pipe and mattressesing.
- Rock removal by dredging, Cardox and manual breaking.
- Vessel supply
- Personnel supply such as Project Management, Marine Superintendents, Beach Masters, Cable Engine Operators, Riggers and Client Representatives.

We undertake projects on a worldwide basis including difficult and hostile environments and are able to mobilise at relatively short notice for most projects irrespective of where in the world that may be.

Our personnel operate to the highest levels of Health and Safety, and our UKAS approved Quality, Environmental and Safety management systems are independently audited and certified to internationally recognised standards.

Falmouth divers Ltd are a very experienced professional and contractor who are systematic in their approach to problem solving and can normally offer innovated cost effective solutions to most projects.

Listed over the next few pages is a list of various cable operations that we have carried out, but if you require any further detail of the services we provide or feel we could assist with any of your projects please contact us at our Penryn UK office:





**SUBMARINE CABLE OPERATIONS**

*(Latest update February 2015)*

PROJECT	CABLE TYPE	SERVICES PROVIDED
Isles of Scilly—Mainland	Power	Shore end support and cable burial.
Isles of Scilly Inter Island Links	Power	Shore end support and installation of cable protection.
Isles of Scilly Trials	Defence	Installation and removal of 9 submarine cables (over 3 year period).
River Fowey Cable Crossing	Power	Complete installation and burial of high voltage cable.
Canary Wharf, London	Power	Installation of 8 power cables under new office blocks.
Isles of Scilly Cable Removal	Telecom	Removal of disused cables.
H.E.R. Range, Plymouth	Defence	Complete installation of new cable.
O.S.R. Range, Plymouth	Defence	Cable route surveys.
Lanis, Blackpool	Telecom	Shore end support.
Lanis, Troon, Scotland	Telecom	Shore end support.
Lanis, Port Greenaugh, IOM	Telecom	Shore end support.
Lanis, Peel, IOM	Telecom	Shore end support.
Lanis, Whitehead, NI	Telecom	Shore end support.
Lanis, Ballywater, NI	Telecom	Shore end support.
TAT II, France	Telecom	Shore end support.
TAT II, Wales	Telecom	Shore end support.



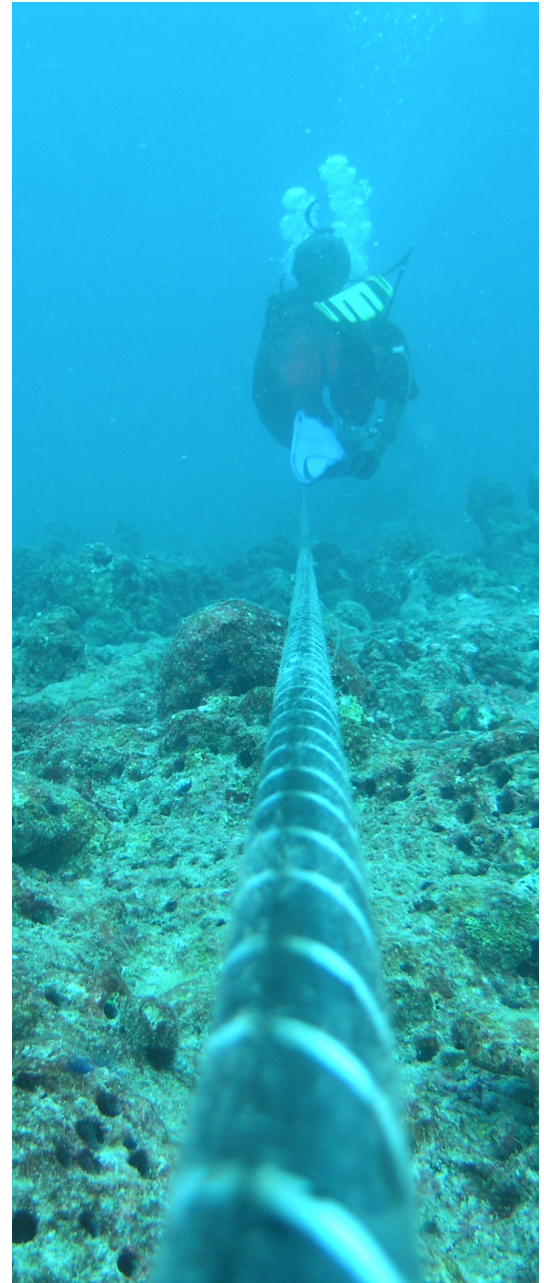
Isle of Wight Cable Protection	Power	Installation of concrete mattresses over 3 power cables between mainland and Isle of Wight.
H.E.R. & O.S.R., Scotland	Defence	Complete installation of ranges and 2 cables in River Forth.
Inspections, Northern Ireland	Telecom	Condition surveys of 2 telecom cables.
UK Channel Island 8	Telecom	Shore end support.
Djibouti—Bombay	Telecom	Shore end support.
Saudi Arabia—Djibouti	Telecom	Shore end support.
Djibouti, Remedial	Telecom	Repositioning of cable with Sea Serpent.
RIOJA Segment-1	Telecom	Shore end support.
Lanis, Remedial	Telecom	Formation of rock trench and cable burial at 3 Northern Ireland and Isle of Man locations (9 month project.)
Korcula—Croatia	Power	Inspection of power cable damaged during Croatian War.





**SUBMARINE CABLE OPERATIONS**

<b>PROJECT</b>	<b>CABLE TYPE</b>	<b>SERVICES PROVIDED</b>
Celtic	Telecom	Shore end support.
MOD, Portsmouth	Telecom	Diving support and trenching system maintenance.
Gator Trials	Telecom	Development and commissioning trials with new Sub-Sea trenching machine.
Swansea—Brean	Telecom	Diving support and burial for both shore ends and crossing.
RIOJA Segment-2	Telecom	Shore end support.
Isles of Scilly—Mainland	Power	ROV survey.
TAT 12/13	Telecom	Cable route surveys.
TAT 12	Telecom	Diving support for UK shore end.
Medina River, IOW	Power	Cable surveys on 7 cables.
TAT 12 Sennen	Telecom	Removal of rock with Cardox
Solent Power Cables	Power	Cable survey.
Sergipe River, Brazil	Telecom	Diving support.
Aracuju, Brazil	Telecom	Diving support.
Joao Passoa, Brazil	Telecom	Diving support.
Port Headland, Australia	Telecom	Trenching machine support.
Flag Project, Porthcurno UK	Telecom	Shore end landing and burial.
Flag Project, Suez, Egypt	Telecom	Shore end support.
Flag Project, Fujairah, UAE	Telecom	Shore end support.
Flag Project, Shanghai, China	Telecom	Shore end support.
Flag Project, Koje Do, Korea	Telecom	Shore end support.
Gemini North, Wales	Telecom	Shore end support.
Gemini North, USA	Telecom	Shore end support.
Gemini South, Porthcurno	Telecom	Shore end support.
Gemini South, USA	Telecom	Shore end support.
Sea-Me-We 3, France	Telecom	Route survey.
Sea-Me-We 3, UK	Telecom	Route survey.
Sea-Me-We 3, Portugal	Telecom	Diving Survey Representative.
Sea-Me-We 3, Morocco	Telecom	Diving Survey Representative.
Sea-Me-We 3, Sicily	Telecom	Diving Survey Representative.
Sea-Me-We 3, Saudi Arabia	Telecom	Diving Survey Representative.
Sea-Me-We 3, Crete	Telecom	Diving Survey Representative.
Sea-Me-We 3, Cyprus	Telecom	Diving Survey Representative.
Sea-Me-We 3, Egypt (S)	Telecom	Diving Survey Representative.
Sea-Me-We 3, Egypt (A)	Telecom	Diving Survey Representative.
AC-1 Sennen, UK	Telecom	Route survey.
AC-1 Germany	Telecom	2 Route surveys.







**SUBMARINE CABLE OPERATIONS**

PROJECT	CABLE TYPE	SERVICES PROVIDED
UK—Germany 6, Germany tracks.	Telecom	Locate and recover burial machine
Sirius, Dublin	Telecom	Landing and burial support.
Rembrandt, Domburg, Holland	Telecom	Landing and burial support.
Farland, Domburg, Holland	Telecom	Landing and burial support.
Rembrandt, Lowestoft, UK	Telecom	Landing and burial support.
Farland, Aldeburgh, UK	Telecom	Landing and burial support.
Viatel, Zandvoort, Holland	Telecom	Landing and burial support.
Viatel, Callis, France	Telecom	Landing and burial support.
CWM, Bahamas	Telecom	Burial technique trials.
Viatel, Lowestoft	Telecom	Landing and burial support.
Viatel, Pevensey	Telecom	Landing and burial support.
River Dart Crossing cable.	Power	Installation support and burial of
UK—Germany 6, UK	Telecom	Locate ends and burial of splice.
Rembrandt, Domburg, Holland	Telecom	Recover end for splice.
SMW 3, Belgium Coast	Telecom	Locate and recover burial machine.
Viatel, Pevensey	Telecom	Seal cable duct underwater.



UK-Germany 6, Filey, UK	Telecom	Burial cable splice.
Americas II, Puerto Rico	Telecom	Installation and burial support.
Americas II, French Guiana	Telecom	Installation and burial support.
Sea-Me-We 3, Mumbai	Telecom	Burial machine support.
Domburg, Holland	Telecom	Cable crossing protectors.
Peck, Ramsgate	Telecom	Landing and burial support.
Level 3, Ramsgate	Telecom	Landing and burial support.
Farland, Aldeburgh	Telecom	Burial status survey.
Peck, Belgium	Telecom	Landing and burial support.
Level 3, Belgium	Telecom	Landing and burial support.
Farland, Aldeburgh	Telecom	Installation of protectors.
Flag 1, Sennen	Telecom	Inshore survey.
Flag 1, Porthcurno	Telecom	Inshore survey.
USA, Brookhaven	Telecom	Supervise four landings and burial.
Mumbai, India	Telecom	Installation of concrete mattresses.
Ireland—UK, Sennen	Telecom	Cable route survey.
Ireland—UK, Widemouth	Telecom	Cable route survey.
St Croix	Telecom	Supervision of landing and burial.
Ireland—UK, Bude	Telecom	Cable route survey.





**SUBMARINE CABLE OPERATIONS**

PROJECT	CABLE TYPE	SERVICES PROVIDED
Ireland—UK, Ireland	Telecom	Cable route survey
Bermuda	Telecom	Supervision of landing and burial.
Ireland—UK, Sennen	Telecom	Landing support.
Ireland—UK, Ballygrangans	Telecom	Supervisor for landing and burial support.
Ireland—UK, Bellinesker	Telecom	Landing and burial support.
Jamaica	Telecom	Supervision of landing and burial.
Pangea, Holland	Telecom	Landing and burial support.
Pangea, Redcar	Telecom	Landing support.
Isle of Man Interconnector	Power	Landing, protection and burial, Douglas.
Farland, Donburg, Holland	Telecom	Locate and assist re-burial.
Pangea, Lowestoft	Telecom	Landing and burial support.
Level 3, Ramsgate	Telecom	Cable re-burial support.
SMW 3, English Channel	Telecom	Machine burial, 45m water depth.
Ireland—UK, Bude	Telecom	Landing and burial support.
Pangea, Lowestoft	Telecom	Burial support on shallow sections.
TAT 14, Bude	Telecom	Landing and burial support.
TAT 14, Mevagissey	Telecom	Cable location and burial.
Ireland—UK, Bude	Telecom	Locate and buoy off cable end.
Emden, Germany	Telecom	Search for lost track, inspect cable.
Blyth Offshore Windfarm	Power	Cable installation to wind turbines.
River Dart Dartmouth Crossing	Power	Locate and inspect damaged cable.
TAT 14, Bude	Telecom	Locate and buoy cable end.
River Dart Dartmouth Crossing	Power	Installation vessel and burial of new cable.
Isle of Man Interconnector	Power	Burial machine support (Bishpam, UK)
River Tavy	Power	Burial of new cable.
Exeter Canal Crossing	Power	Complete installation and burial of new cable and ducts.
Denmark—Sweden (Pangea)	Telecom	Installation and burial support.
TGN Brean, UK	Telecom	Installation and burial support. Supply of Offshore Superintendent.
Ireland—UK	Telecom	Diving support for new shore end.
SAT-3, Angola	Telecom	Installation and burial support. Supply of Offshore Superintendent.
SAT-3, Nigeria	Telecom	Installation and burial support. Supply of Offshore Superintendent.
SAT-3, Dakar	Telecom	Diving supervisors.
SAT-3, Benin	Telecom	Landing support.
SAT-3, South Africa	Telecom	Diving supervisor for separate landing and burial operations.
PCI / EAC, Japan	Telecom	Supply of Client's Representative.
TGN, Filey	Telecom	Locate and buoy cable





**SUBMARINE CABLE OPERATIONS**

PROJECT	CABLE TYPE	SERVICES PROVIDED
PAN-AM, Venezuela	Telecom	Supply of Superintendent.
TGN Brean	Telecom	Diving support for remedial burial.
River Yealm Crossing	Power	Complete installation of cable and shore works.
TGN Eemshaven	Telecom	Search to locate buried cable.
TGN Brean	Telecom	Locate and buoy cable ground rope.
TGN Saunton	Telecom	Locate and buoy cable ground rope.
Singapore	Telecom	Provide diver supervision of cable recovery and re-lay operation.
River Taw	Power	Complete installation and burial of new power cable.
Sea-Me-We 3, Mumbai, India	Telecom	Supply of on-site Project Manager and dive team for more mattress laying.
Porthcurno Beach	Telecom	Removal of more redundant cables exposed due to sand level change.
IOM—Bishpam	Power	Assisting with cable burial operation on inshore section.
Rona Range, Scotland	Defence	Shore end support for 5 landings.
Horns Rev, Denmark	Power	Diving support for cable installation on 80 turbine offshore wind farm.
TGN, Saunton Sands	Telecom	Burial assessment survey.
Arcos, Nicaragua	Telecom	Assist with repair and reburial of cable.
Celtic, Sennen Cove	Telecom	Diving support for replacement shore end.
Barnstable 33Kv	Power	Complete installation of new river crossing.
North Hoyle	Power	Diving support for cable installation on 30 turbine offshore wind farm.
Hayle 11Kv	Power	Complete installation of new estuary crossing.
Sea-Me-We 4, Sri Lanka	Telecom	Shore end support.
Sea-Me-We 4, India	Telecom	Shore end support.
Poole Harbour	Telecom	Diving survey.







**SUBMARINE CABLE OPERATIONS**

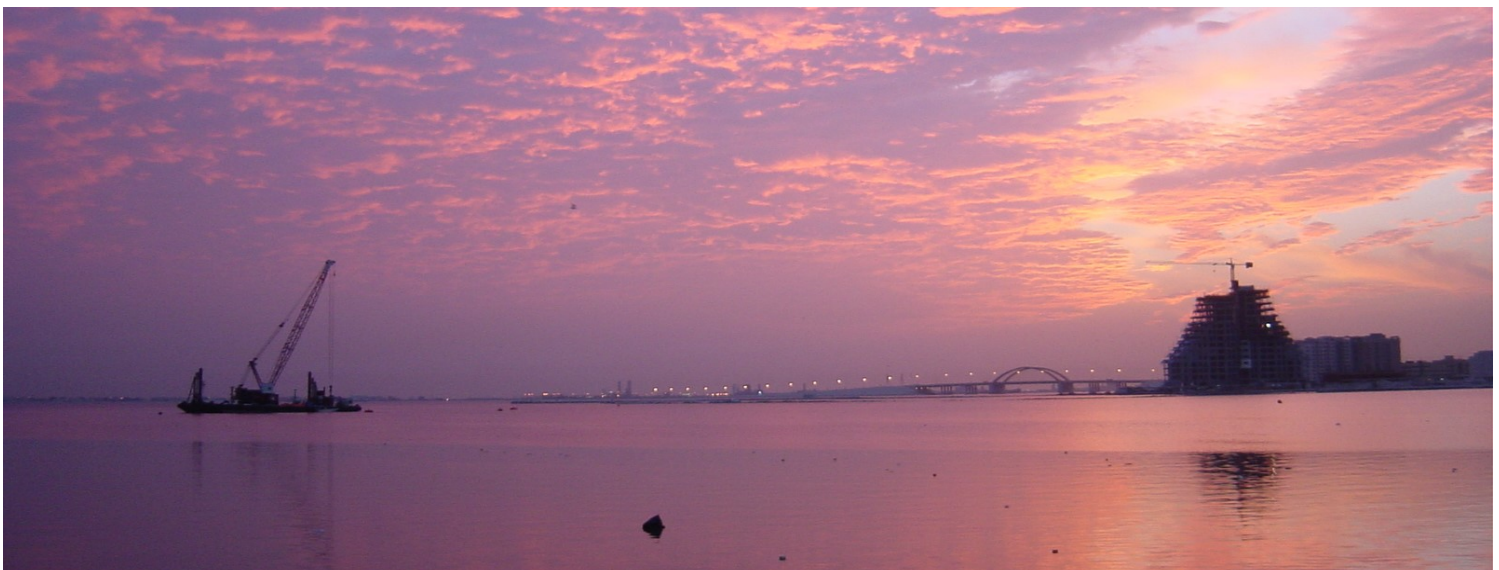
PROJECT	CABLE TYPE	SERVICES PROVIDED
Dart Cable Crossing	Telecom	Diving support and surveys.
Tamar Crossing	Telecom	Remedial works to shore end.
Rona Range	Telecom	Diving support for 21 landings and cable recovery.
Bahamas Festoon	Telecom	Supply of supervisors.
Barrow Offshore Windfarm	Power	Diving support.
BT Recoveries, SE & SW UK	Telecom	Recovery vessel supply.
River Nene Crossing	Telecom	Diving support.
Bahrain Fountain	Power	Installation of 8 supply cables.
Poole Harbour	Telecom	Diving support for new cable.
Salcombe Crossing	Telecom	Installation vessel and dive team.
Hugo, Guernsey	Telecom	Diving support for 2 shore ends, lay and burial.
Falcon, India	Telecom	Dive support and Site Manager.
Falcon, Maldives	Telecom	Dive support and Site Manager (3 landings).
Falcon, Iran	Telecom	Dive support and Site Manager.
Cremyll Cable	Telecom	Repair damaged cable.
Bath Crossing	Power	Install ducts and cables.
Ireland—UK	Telecom	Assistant Project Manager for repair.
Torpoint Crossing	Telecom	Move cable for development.
Falcon, Sri Lanka	Telecom	Site Manager / Beach Master.
Hugo, Lannion, France	Telecom	Dive support, landing and lay.





**SUBMARINE CABLE OPERATIONS**

PROJECT	CABLE TYPE	SERVICES PROVIDED
Telmex, Mexico	Telecom	Dive support, landings and burial.
Telmex, Mexico	Telecom	Site Manager, burial.
Liberty, Guernsey—Dartmouth	Telecom	Beach Master, Dartmouth. Dive support for both landings. Vessel and dive teams for split pipe and burial.
AAG, Philippines	Telecom	Dive support, landings and burial.
Blyth Offshore Wind Farm	Power	Main contractor for new export cable on new route, joint bays, ducts and land cables. Recovery of existing export cable.
Danice, Denmark	Telecom	Dive support for landing, burial and recover of existing cable.
Seacom, Mozambique	Telecom	Site Manager / Client Representative for landings.
Seacom, Djibouti	Telecom	Site Manager / Client Representative for landings.
Taiwan Project	Telecom	Site Manager / Client Representative for repairs.
BT Tamar Crossings (Plymouth)	Telecom	Dive support and vessel supply for landings, lay and post lay remedial.
Blyth Offshore Wind Farm	Power	Annual dive inspection and cable pinning.
Hantru-1 Pohnpei, Micronesia	Telecom	Site Manager / Client Representative and Diving Supervisors for landing.
Hannibal, Mediterranean	Telecom	Shift Supervisor, route PLGR works from Offshore Vessel.
Hannibal, Sicily	Telecom	Supply of Diving Supervisor and Diver to oversee local team.
Hannibal, Tunisia	Telecom	Supply of Diving Supervisor and divers to assist with shore end landing and remedial works.
Caldey Island, South Wales	Power	Main contractor for complete installation of a new 3.5km power cable from Tenby to Caldey Island.
SGSCS, Suriname	Telecom	Provision of supervisors and divers for landing and burial.
SFSCS, Guyana	Telecom	Provision of supervisors and divers for landing and burial.
Seacom, South Africa—Mtunzini	Telecom	Site Manager / Client Representative for landings.
Kelvin, Northern Ireland	Telecom	Dive team for shore end landing.
HMNB Devonport, Plymouth	Defence	Main contractor for cable lay to seabed sensor.
River Crouch, Essex, UK	Telecom	Dive support for river crossing.





**SUBMARINE CABLE OPERATIONS**

PROJECT	CABLE TYPE	SERVICES PROVIDED
GBI, Bahrain	Telecom	Supply of client representative / site manager.
River Usk Crossing, Newport	Power	Main contractor for installation of 7 power cables.
TATA Gulf, Qatar	Telecom	Supply of client representative / site manager.
River Avon Crossing	Power	Main contractor for new river crossing.
Lincs Offshore Wind Farm (2011)	Power	Supply of 14 man team and boats to assist export cable landing.
TATA Gulf PLSE, Dubai	Telecom	Supply of client representative / site manager.
Breagh "A" Foc	Oil & Gas Control	Supply dive team to support cable duct pull in.
Celtix, Holyhead & Dublin	Telecom	Dive team and marine superintendent for cable landing and burial.
ACE Project, Banjul, Gambia	Telecom	Cable landing, burial support and project co-ordinator.
ACE Project, Conakry, Guinea	Telecom	Cable landing, burial support.
Lincs Offshore Wind Farm (2012)	Power	Supply of 11 man team (inc beach master and 2nd barge master) to assist 2nd export cable landing and beach master.
Porthcressa Isles of Scilly	Power	Cable mapping and condition survey
Cremyl Tide Gauge	Defence	Installation of tide monitoring equipment and control cable to shore.
River Derwent, Derby	Power	Cable mapping and condition surveys of multiple Power cables.
St Mary's to Tresco, IOS	Telecom	Main contractor for complete cable installation.
Tresco to Bryher, IOS	Telecom	Main contractor for complete cable installation.
River Derwent, Derby	Power	Removal of 14 x redundant power cables from river and adjacent culverts.
King Harry Crossings, Cornwall	Telecom	Main contractor for two river crossings, King Harry Reach, River Fal.
St Michael's Mount	Power	Main contractor for installation and burial of a new island feeder cable.
Pembroke, Wales	Power	Main contractor for complete installation of 3 x power cables across River Cleddau
London Array Offshore Windfarm	Power	J-tube stabilisation and cable protection.
Porthcressa, Isles of Scilly	Power	Cable protection.
Lands End, UK	Power	Procure cable ship and repair contractor and supply Offshore Representative for repair.
Portsmouth HER	Defence	Install 8 new range cables.
Portland NR	Defence	Remove old cable and install new range cable.
St Michaels Mount	Power	Install cable protectors.

