



Statement of capabilities

Innovative engineering for extreme global environments

Mission statement

“design and build ingenious engineering solutions, that are safe, reliable, environmentally responsible, make complex operations appear simple and offer superior global support”





Our company



Feritech Global specialise in engineered offshore solutions focused within the geotechnical sector and also utilise its team of specialist engineers to provide bespoke solutions to other sectors.

Working with our clients from across the globe we deliver bespoke solutions to complex engineering problems. Our in house team of experts, design and manufacture, test and operate solutions ensuring end to end quality delivered on time and within budget.

Feritech offer an extensive suite of services specialised in subsea product development:

- Coded welding fabrication
- Multi axis CNC machining
- Hydraulic system design and build
- Electrical and electronic design and build
- Embedded, PLC and Computer programming
- Instrumentation and automation including multiplexed data solutions for umbilical control
- Product assembly, test, maintenance, operation and servicing
- Subsea sensors

We have a team of experienced field engineers to assist with installation, commissioning and operation of projects. This includes CPT operation, offshore laboratory technicians and marine geotechnical engineers.

Since our inception we have developed relationships with some of the worlds largest offshore entities providing solutions to their challenges time and time again.



Feritech Innovation Centre



Feritech brand new carbon neutral purpose built site with dedicated research and development resource, manufacturing and support space creates a productive, environmentally friendly and fulfilling place to work.

100,000 square feet **assembly space**

250kw solar system **net exporter of energy**

Air source heating to **reduce our carbon foot print**

Bore hole and rain water harvesting **allowing site to be self sufficient**

5000 trees planted onsite creating over 2 acres of new habitat for wildlife

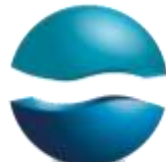
***“offering a quantum leap in
capacity, capability,
productivity & growth”***

Standards we work to

These are our universal working standards, many additional standards are used as required

The company operates under numerous quality and environmental standards. The most common standards we operate under are listed below.

- ✓ **BS EN ISO 9001:2015** Quality management system
- ✓ **BS EN ISO 14001:2015** Environmental management system
- ✓ **BS EN ISO 9606-1:2017** Qualification testing of welders. Fusion welding. Steels
- ✓ **BS EN ISO 5817:2007** Quality levels for imperfections
- ✓ **BS EN 1011-1:2009** Welding - Recommendations for welding of metallic materials



norsok
standard



Feritech specialises in creating turnkey technology based solutions for harsh environments, and we have worked with companies across all marine sectors.



Oil & gas

Feritech products and services are used extensively within the oil and gas sector. Example projects include pipeline design surveys, multiplexed data systems, instrumentation and custom asset control solutions.



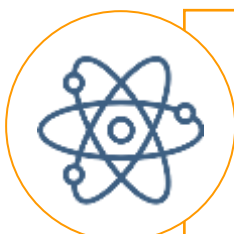
Renewable energy

Wind, wave and tidal energy companies use our products and services, including OEM component manufacture, geotechnical survey equipment, launch and recovery systems (LARS) and winches. Designed to increase operational efficiency while reducing costs.



Cable routes

Feritech provide winches, geotechnical equipment and LARS solutions to some of the worlds largest cable survey, installation and maintenance companies. Our team and equipment has a proven track record of outstanding results.



Research & academia

Our services and equipment is used by some of the worlds leading universities in offshore and maritime research.



Ports & harbours

Ports and harbours have their own particular engineering requirements, and Feritech Global can provide solutions and support for ports, harbours, docks and marinas across the world.



Government & military

All our solutions are of the highest quality, safe to use, innovative, rugged and reliable. This is why we have now supplied our systems to a number of navies around the world.

Feritech supplies subsea exploration equipment for sale and rental.



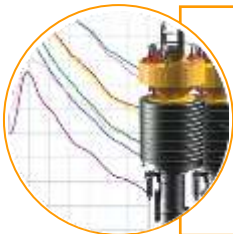
Cone penetration test (CPT)

Our CPT comes in various options with push capacities from 50kN to 200kN. Push depths of up to and in excess of 40m. Rated at 3000m these systems are a universal workhorse for all types of CPT testing requirements. We have them available to rent or to purchase.



Winches

We specialise in advanced electric winches capable of lifting loads and also constant tension with heave compensated systems. Lifting capacities range from 0.1t to 100t with line speeds up to 4m/s. We have winches for rental and can make any system for sale.



Heat flow

Thermal conductivity measurements are becoming more common place and with our systems these can be measured in-situ. These systems save time and deliver reliable results using our digital data acquisition system. Heat flow systems are available for sale or rent.



Launch & recovery systems

Launch and recovery systems or LARS come in many different types depending on what they are being used for. We offer a turnkey solution for supplying LARS systems and also a standard range for our corers for sale or rental.



Grabs and corers

We supply a comprehensive range of over 30 types of sediment grabs and corers. Hamon, Van Veen, box and day grabs to larger equipment like gravity, piston, jumbo piston and vibrocorers. We have all these units available to rent or buy.



Consumables & spares

We stock large quantities of all the consumables needed to use our coring equipment. We also stock a comprehensive range of spares for all our equipment ranges. This ensures we always have the parts you need when you need them.

Feritech turnkey manufacturing facilities offer state of the art subcontract production.



Fabrication

We have a knowledgeable team of coded fabricators, between them they have decades of experience working with mild steel, stainless, duplex, aluminium and exotics, with plate thickness up to 100mm.



CNC machining

We have an broad selection of manual and CNC machines for both turned and milled components. We can manufacture customised parts in both metal and plastics.



Hydraulics

Many subsea systems work on hydraulics and our dedicated hydraulic experts design and install systems that are built with complete reliability in mind. Special compensation systems and even hydraulics that work on water not oil are all options.



Electrical, electronic

We design and build all our electronic controls in house and integrate with class leading suppliers of specialist sensors. This offers the best of both worlds with bespoke solutions when needed and off the shelf if viable.



Control & automation

We have cutting edge multiplexer systems and control software that allows us to control, monitor and log whatever your systems needs. Our in house PLC and electrical engineers can design and deliver your requirements for your next project.



Assembly & test

We assemble and test every product. Feritech has an SWL pull test facility, cable spooling and pre-tensioning equipment and pressure test facility (600bar). Every piece of equipment is thoroughly inspected and tested prior to dispatch.

Recent customers



Feritech specialises in creating turnkey technology based solutions for harsh environments. We have worked with hundreds of companies across all marine sectors.

Oil & gas

HALLIBURTON

PI

TOTAL

LIGHTHOUSE

GlencoreXstrata

GEOQUIP MARINE

Renewable energy

VATTENFALL

OCEAN INFINITY

UTEC GEOMARINE

Next Geosolutions

FUGRO

Cable routes

ALCATEL SUBMARINE NETWORKS

Global Marine

MEWO

GEOMARINE

GUARDIAN GEOMATICS

Research & academia

Queen Mary University of London

Southampton

UNIVERSITY OF EXETER

UNIVERSITY OF PLYMOUTH

marum

Ports & harbours

ABP mer

CH2MHILL

AMERICAN VIBRACORE SERVICES

senergy

Government & military

Dimar

National Oceanography Centre

COTECMAR

CSIC

Cefas

Recent projects

A selection of recent Feritech projects from around the world.



Example Bespoke Projects

6000m deep water grab and camera system for Polymetallic (manganese) nodule sampling



- 6000m rated
- Remote and automatic operation
- Recovers samples
- Designed for Polymetallic nodule sampling and survey

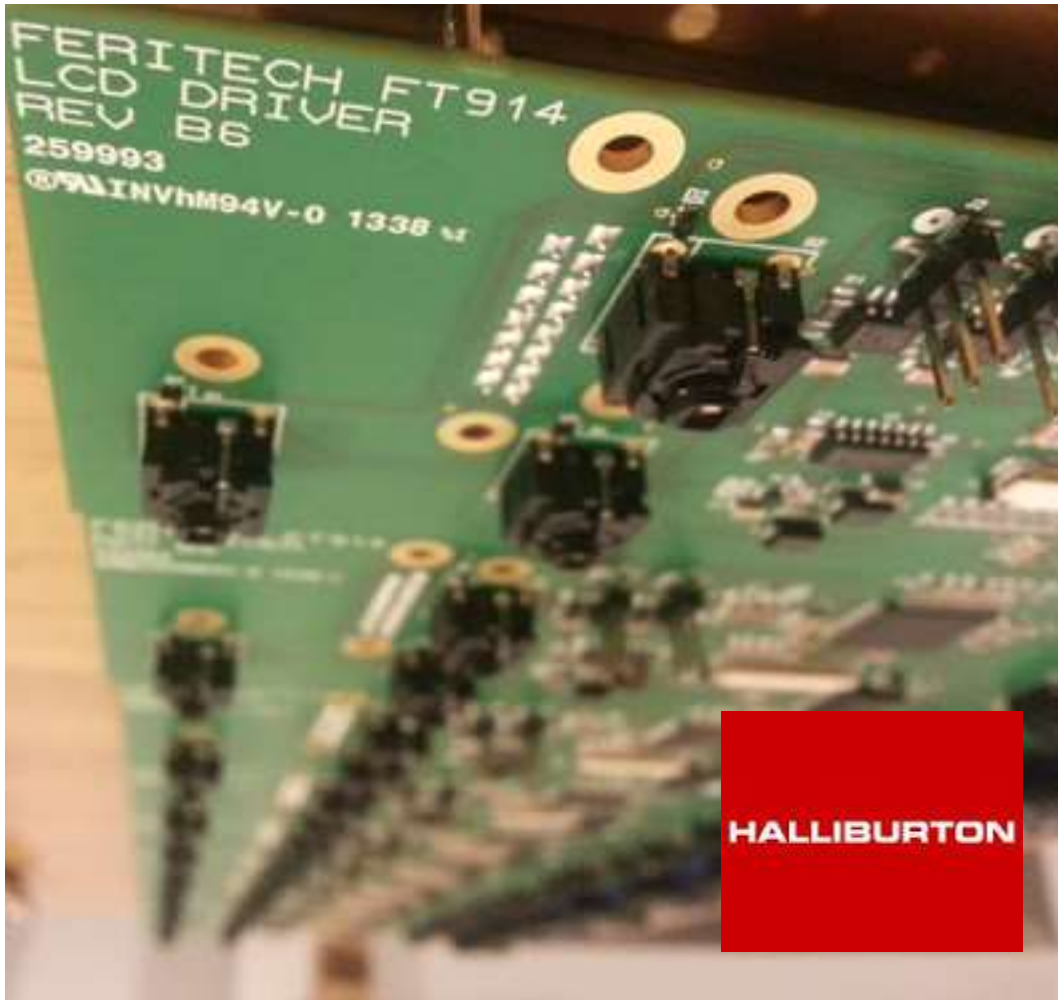


- Feed system thrust of 70kN
- Range of interchangeable tools, grab, core, CPT
- Robust ram driven feed system with precise real-time position monitoring
- Folding rapid stabilising legs for self-levelling on seabed
- 2000m working depth
- 6m stroke for core samples and CPT
- Full suite of cameras, lights, depth sensors and altimeter
- A-Frame, crane or moonpool deployable



- 12 metre deep sea wing, self stabilising, self flying
- Camera and magnetometer sensors

Haliburton well control



- Well communication modem
- High reliability long distance remote control monitoring system for deep water oil wells
- Advanced algorithms for ultra secure communication protocols



- Subsea Hydraulic Power Unit (HPU)
- Drill controller including inclination, orientation, cameras and data management suite
- Full remote control

Camera and deep sea magnetometer



- Subsea camera and observation suite
- Designed to monitor deep water electromagnetic disturbance
- Full remote control and data recording systems

Testimonials

Additional testimonials are available on request



GEOQUIP MARINE – STEVE HORSEWELL, PROJECT MANAGER

“We have worked with Feritech for a number of years on a multitude of projects in four different continents. The offshore industry has to quickly respond to customer's requirements in regards to project delivery timescales. Feritech have always provided quality solutions with unbeatable accuracy and very quick delivery time frames.”



INSIGHT MARINE PROJECTS – ALEX RICHARDS, PROJECT MANAGER

“Excellent level of service and attention to detail in the supply of the equipment from the comprehensive user manual and lifting certificates to the hardware which was straight forward to use.”



THE CENTRE FOR ENVIRONMENT, FISHERIES AND AQUACULTURE SCIENCE (CEFAS) – SIMON PEARSON, MARINE SERVICES MANAGER

“Very pleased with the service we received, couldn't fault it at all. The equipment was well built and performed exactly as it should.”



HORIZON GEOSCIENCES – JOHN CUDDEN, SENIOR PROJECT MANAGER

“We deployed a suite of Feritech geotechnical equipment for an extensive site investigation project for a North Sea Wind Farm. Both Horizon and our client are keen to maximise penetration in difficult ground conditions, minimise sample disturbance, and conduct repeatable testing at multiple locations to advance the scope of work. Real-time feedback to the operator allows for sampling to be completed efficiently with full penetration and recovery, and for the equipment to be recovered so the vessel can be moved to the next location. This had huge time savings for the project in terms of vessel time and provides the essential data required for accurate engineering analysis.”

Testimonials

Additional testimonials are available on request



Will Boulton, Project Manager, WITT

“I wanted to thank you for your efforts in getting this enclosure over the line, both in design and manufacture. In particular, the efforts to have it completed so fast -this was definitely 'over and above'. It has meant that we could build and test before the trial days. Everything was fine and fitted perfectly. Most importantly we were able to record some good results. We really appreciate your efforts in making sure we had the parts ready in time for this important trial. It's a massive thanks from us at WITT”

Andrew King, Project Manager, JPM Integrations

“We have been really impressed by the responsiveness of the team at Feritech as well as the high quality of their engineering. The work has been delivered to extremely short lead times. The whole process of design and fabrication has been streamlined and efficient. Feritech has proven to be a valuable and reliable supplier and one which we would now wholeheartedly recommend to others.”

STEVE JERMY, CEO OF CELTIC SEA POWER,

“The South West of the UK is set to become a world leader in floating offshore wind. This exciting new development by Feritech exemplifies how innovative and forward looking businesses are rising to the challenge and will help to fast track the region's capacity to build out large scale wind farms in the Celtic Sea from 2025 onwards.” Steve Jermy, CEO of Celtic Sea Power, the Cornwall Council owned company that is leading the South West Floating Offshore Wind Accelerator Project”

PROFESSOR LARS JOHANNING, UNIVERSITY OF EXETER, PROGRAMME DIRECTOR FOR MARINE-I

“Feritech's new concept could revolutionise the way in which geotechnical survey work is carried out. By helping reduce risk and costs for developers, it will help accelerate the growth of floating offshore wind in the Celtic Sea, generating a positive economic impact on the local supply chain. Globally, it would attract interest from clients in a wide range of offshore activities. It is another great example of how Cornish businesses are spearheading new, 21st century solutions in marine technology.”

MATT HODSON, MARINE OPERATIONS DIRECTOR, CORNWALL DEVELOPMENT COMPANY

“Ever since the company was founded, Feritech has been a leader, not a follower. They continually challenge themselves to develop world-leading products that break the mould”





Feritech Innovation Centre • Menerdue Lane • Redruth • Cornwall • TR16 6PD • Great Britain

+44 (0) 1326 369 444

info@feritech.com

Company registered in England No. 9746904

