Housed in a modern 3000 m² custom built facility close to Aberdeen Airport, we currently employ more than 50 people in a variety of sales, workshop, administration, HR and QHSE roles and are the largest MacArtney Group operation outside of Denmark where our Group headquarters is located.

Our products and systems portfolio combines our expertise in winch and handling systems, subsea connectivity products and solutions, remotely operated vehicles, terminations, fibre optics, telemetry, rotary solutions, marine survey and scientific instrumentation and underwater cameras and lights. Moreover, we offer a wide range of design, engineering, construction, testing and project management resources backed by the global MacArtney Group network. All MacArtney products and systems are backed by 24/7 local access to global support.

**Solutions pay off**

Since its inauguration, MacArtney UK has enjoyed steady growth with annual results peaking in 2014 with a turnover close to £20 million, representing more than 25% of the total group turnover. While continuously pursuing a progressive expansion strategy - our customers will always be at the heart of everything that we do.

MacArtney UK is an ISO 9001: 2008 certified company.
Since 1978, The MacArtney Group has offered industry leading underwater technology products, systems and integrated solutions.

Winch and handling systems
For the purpose of safely and effectively facilitating the journey of underwater technology between surface and seabed, MacArtney offers a range of high-tech and rugged winch and handling systems. Embracing the CORMAC and MERMAC standard series along with a wide range of customised and bespoke solutions - all backed by comprehensive training, service and testing - MacArtney has a handling solution to suit any marine application and purpose.

At the top of our range are the electric driven ROV winches with Active Heave Compensation (AHC) for effectively filtering out the effects of wave induced vessel motion, thereby offering significantly prolonged windows of system operation under harsh conditions.

Connectivity
The backbone of the MacArtney solutions range is our connectivity products which work to tie underwater solutions together. Our connectivity portfolio includes underwater cables, the industry leading SubConn® harsh environment, wet mateable connectors, OptoLink fibre optic connectors, TrustLink and GreenLink connectivity systems including field installable terminations, hubs and API compliant subsea connectors for use in harsh and strictly regulated environments. As an industry unique feature, full API standard compliance is third party certified by DNV.

Cameras, lights and telemetry
Under the LUXUS brand, MacArtney provides an extensive range of underwater cameras and lights – all boasting a 4000 metre depth rating and manufactured using Titanium as standard. Transmission from seabed to surface of signals and data captured by cameras, sonars and other sensors is handled by our range of MacArtney NEXUS multiplexing systems which handle transmission of video (including HD), Gigabit sonar data and other serial data formats.

Remote technology
Decades of experience and constructive customer feedback is behind our latest generation of ROTV systems. The FOCUS-2, TRIAXUS and FLEXUS vehicle systems form our flexible ROTV range and offers our customers a wide range of options. Our ROTV systems can carry a wide range of sonar options and an almost endless list of survey and oceanographic sensors.

Providing the best solution
In addition to our own in-house developed products and systems, The MacArtney Group has long standing relationships with a number of the world’s leading manufacturers of underwater technology products. This allows us to be in a position where we will always be able to tailor the best solution to any challenges our clients may pose to us.
Moulding and cable assembly

MacArtney UK offers a wide range of workshop services to owners and operators of underwater equipment and systems.

The Cable Assembly experts
The largest workshop in the Aberdeen operation is our cable assembly facility. This workshop employs the latest technology, materials and equipment and is manned by an experienced team of trained cable assembly technicians. Our workshop is fully geared to provide our customers with a fast turnaround, a high level of efficiency and premium quality.

State-of-the-art moulding technology
At the MacArtney UK moulding and cable assembly workshop our technicians have access to state-of-the-art computerised moulding technology to produce connector and cable moulds of all types.

Our mould mixing machine is computer controlled to ensure a perfect mix of material.

MacArtney UK employs several soldering experts with full ESA certification to perform complex tasks.

More than 12 dedicated MacArtney technicians work to secure a fast cable assembly turnaround.
The MacArtney OptoLink range was first introduced in 1986 and since then, it has earned a position among the market leaders within the field of underwater and harsh marine environment fibre optic connectivity. OptoLink connectors accommodate up to four optical fibre passes and use expanded beam lens technology. Water blocked dual-way penetrators are also part of the OptoLink range.

Fibre optics workshop and capabilities
MacArtney UK has at its disposal a well-equipped fibre optics workshop with the latest fibre optic production and testing tools including OTDR’s and fusion splicing equipment.

From this workshop, our team of experienced fibre optics technicians produce and service the range of MacArtney OptoLink fibre optic connectors, penetrators and assemblies along with custom fibre solutions. We also produce all fibre optic patch cords for use in our slip ring workshop facility (see overleaf). Finally, if required, our technicians are also capable of servicing fibre optic connectivity products from other manufacturers.

Advanced equipment and off site service
Just like in our cable assembly workshop, the MacArtney fibre optics workshop employs only the best materials and components supported by the latest and most efficient equipment and technologies.

Much of our equipment is battery powered allowing our technicians to perform on-site service jobs at the clients location of choice.

Finally, the MacArtney UK fibre optics workshop is supported by an extensive stock of optical cable to ensure rapid turnaround and delivery of all customer requirements.

At our fibre optics workshop, our technicians have access to the latest equipment and technologies.

Working with fibre optics requires a steady hand - our technicians are among the best in the business.
Slip ring maintenance and repair

As part of the long-standing and successful cooperation between the MacArtney Group and Focal Technologies Inc. (part of Moog Components Group), MacArtney UK operates an extensive workshop to service and maintain Moog Focal slipring products.

MacArtney slip ring service

The MacArtney UK slip ring workshop is able to provide ongoing maintenance, service, testing and repair of all Moog Focal slip ring models used in the marine marketplace. Within our UK workshop we carry out complete refurbishment of worn or damaged slipring products returning them to an ‘as new’ condition.

The right hands with the right tools

Our workshop is staffed by experienced slip ring technicians who have all received advanced training from Focal Technologies. Our workshop is fitted out with equipment and tools that mirror what one would find at Focals own manufacturing facility in Canada. This includes induction soldering equipment and advanced system test technologies.

Meticulous testing prevents operational downtime

Extending the operational lifespan and preventing costly downtime of serviced systems is of key importance to MacArtney UK. In order to comply with this, we apply several testing process and technologies, including a custom developed test-bed which allows all slip rings to be tested while actually rotating. Moreover, we have the ability to test slip rings and fibre optic rotary joints at low temperatures - thus simulating conditions found in harsh subsea environments.

Spares readily available

In order to further reduce system downtime during service, MacArtney UK carries an extensive range of spare parts for slip rings. Our standing stock includes mechanical parts, cables, bearings and other consumables required to refurbish slip ring units.

Slip ring refurbishment: “Before and after”
Machine shop, pressure testing, warehouse and quality assurance

Machine shop
MacArtney UK houses a state-of-the-art and fully equipped machining facility. With no less than five modern Haas CNC milling and turning machines operated by a team of specialist programmers and operators to secure a rapid production turnaround, this workshop primarily serves to support internal requirements from MacArtney Group operations who require top quality parts or tools manufactured to any set of standard or custom specifications.

Pressure test facility
Organised around a pressure vessel boasting a hydrostatic test capacity of 600 bars, equivalent to the pressure found 6000 meters underwater, our in-house pressure test facility is capable of putting underwater technology products and systems to the test. MacArtney’s own control software allows bespoke test programmes and repeated pressure cycling to be carried out. The pressure vessel has an internal diameter of 600 mm and a useable internal depth of 1500 mm this, along with a 2000 kg overhead crane, allows for the testing of large and unwieldy equipment. The entire pressure test facility is available for rent with the assistance of specialist MacArtney technicians. Full test reports can be provided in the form of a printed graph or as data log.

Warehouse and workshop general service
Our large 1000 m² warehouse area provides enough space to store all the cables, connectors and equipment needed to support our workshops. The warehouse is equipped with a 5 ton forklift and has a 2 ton mobile gantry crane. The large warehouse also provides ample space to perform other service and repair tasks. Beyond general service of underwater technology systems, MacArtney has technicians trained to carry out advanced mechanical termination work and provide service of MacArtney LUXUS camera and light products.

Committed to quality
In order to ensure that all products, systems and services leaving the MacArtney UK facility are of the highest possible quality, we apply an extensive and proactive commitment to quality control and quality assurance.

These efforts are spearheaded by our team of experienced QC inspectors who inspect and approve every item leaving our facility. Our inspection team benefit from having the latest technology in test measurement equipment at their disposal.
Meet us in Aberdeen - and all over the world