

Introduction to MacArtney as a system integrator



MacArtney electrical and fibre optical connectors

Our globally trusted range of SubConn® connectors is continually being tested and reviewed to ensure the highest quality and suitability for the underwater and offshore market. Our versatile range is regularly extended to accommodate new individual or industry requirements. OptoLink is the name of MacArtney's own fibre optical connector range. The OptoLink multi mode and single mode fibre optic connectors were introduced in 1986 and 1996 respectively - and have since proven themselves as state-of-the-art, market leading underwater connectivity solutions.



Underwater cables

MacArtney collaborates with a number of major cable manufacturers to supply a range of cables that are designed, manufactured and tested to accommodate the highest standards and requirements of the underwater technology industry. The product range includes TV, signal, instrumentation, fibre optic, ROV, oceanographic, geophysical, telecommunication, fishery and sonar cables.



Slip rings

MacArtney supplies, installs and services slip ring systems from Focal (MOOG Components Group), a global supplier of rotary technology solutions and services. Focal standard or tailor made slip rings are widely used within the offshore, oceanographic and seismic industries. MacArtney offers slip ring repair, maintenance and retrofitting performed by certified technicians at numerous MacArtney locations. In addition, MacArtney keeps a large inventory of slip ring spares in stock.



MacArtney NEXUS fibre optical multiplexers

The MacArtney NEXUS multiplexer programme forms the backbone in several multiplexing systems installed around the world. The first NEXUS multiplexers were designed for fibre optical transmission of data gathered by ROV mounted sonars and sensors. Later, the transmission of video signal was facilitated as Focal video/data multiplexer cards were built into NEXUS pressure vessels and topside units. The MacArtney NEXUS range is undergoing continuous development and can be customised to suit specific customer requirements.



MacArtney LUXUS cameras, lights and media controllers

From draft to delivery, the MacArtney LUXUS range of lights, cameras, video units and accessories is designed to combine operational and service flexibility, excellent performance and ensured reliability. All LUXUS camera, light and controller units are made from state-of-the-art components. For example, all LUXUS camera and light housings are made from sandblasted titanium and are pressure tested to feature a standard depth rating of 4,000 metres. The housings are light, strong and non-oxidising, for long lifetime and minimal maintenance.



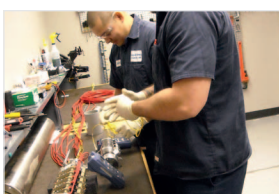
Terminations and mouldings

MacArtney has obtained extensive experience in all kinds of connector and cable terminations ranging from standard neoprene mouldings to large, heavy-duty steel terminations with several hundred conductors and connections. MacArtney's special termination options include FITA, medium voltage hub and medium voltage inline terminations. Moreover, MacArtney holds the facilities for manufacturing mouldings in neoprene and PUR. These mouldings have different advantages depending on the application for which they are required.



MacArtney winch and handling systems

MacArtney supplies a broad range of winch and handling systems for marine and offshore related applications. All systems are manufactured in close proximity to the MacArtney headquarters in Esbjerg, Denmark, which allows for effectively coordinated engineering, design, production, system integration, certification and delivery. A well designed winch and handling system can substantially extend the working life of most underwater systems including ROVs, towed systems, corers, ploughs, diving systems etcetera.



MacArtney Inc. workshop facilities

MacArtney Inc. offers extensive in-house and mobile workshop facilities. Services and specialities include stress terminations of steel and Kevlar cables, fibre optics work, FITA terminations, mouldings, soldering, LARS and winch system repair and maintenance, slip ring repair, maintenance and retrofitting (large inventory in stock), full service, maintenance and repair of all MacArtney and supplier products, electronic engineering, field installation and engineering support. If a task cannot be performed locally, the global MacArtney network of expertise is on 24/7 standby to readily find a solution.