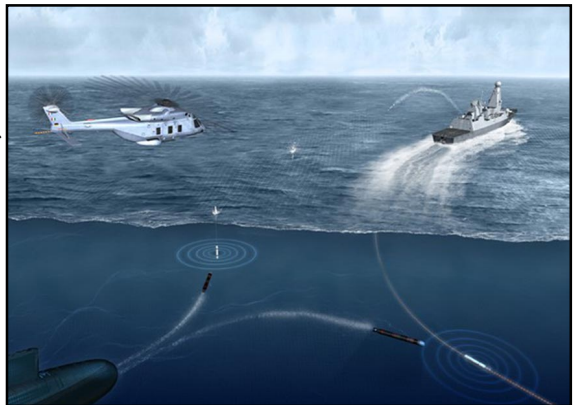


Courtesy Ultra Electronics



PDM

Subsea products and services



Defence Projects



To illustrate PDM's defence capabilities typical projects are described below:

TYPE 45

PDM has been selected by BAE Systems to produce three specialised connectors for the new sonar fitted to the Royal Navy's Type 45 Anti-Air Warfare Destroyer. These connectors & cable assemblies link the transducers of the bow array to the electronics package.

The custom connectors (PDM 516) have been manufactured from a client specified material and comprise what is essentially a double ended bulkhead unit and two mating connectors.

Groups of transducers are linked via two way, wet pluggable cable assemblies and a breakout out moulding to a PDM 516 connector. This connector plugs into the double ended unit. A connector of opposite gender plugs into the other end, taking the signals to the electronics package. The configuration is repeated for each group of transducers.

All cables have a neoprene outer sheath and all moulding uses PDM Elastomers. PDM's well proven materials and bonding expertise is invaluable in ensuring the quality and reliability of the product.

PDM has developed a good working relationship with MOD contractors based on its experience and its ability to produce high quality, competitively priced, products. It also has the necessary management and quality structures in place to handle defence projects.



PDM 516 Connectors for TYPE 45

EUROFIGHTER

PDM have recently received a repeat order from Reliant Design and Development (RDD) for some highly specialised cable assemblies. RDD is a primary supplier of ground test equipment to the EuroFighter programme.

The test cable assemblies are for power & signal transmission within the aircraft's refuelling system. Designed and manufactured at PDM, male & female versions have been produced depending upon which side of the power circuit will be live and two differing keyways have been incorporated so as to prevent cross connecting the AC and DC power cable assemblies. To minimize the potentially high tooling costs associated with manufacturing a number of differing designs, a degree of commonality has been engineered into the cable and flange connectors.



Courtesy BAE Systems

Type 45



RDD-EuroFighter Cable Assemblies

Product brochures are available on

Micro Wet Pluggable Connectors
Epoxy/Rubber Moulded Connectors
Underwater Pluggable Connectors
Cable Assemblies
Design and Development Projects
High Density Connectors
Wet Pluggable Connectors
Polyurethane Elastomers
Transition Zone Connectors
Quickcure Moulding System

Titan Connectors
Penetrators
Encapsulated Products
Bend Limiters
Polyethylene Products
Bend Restrictors
IE55 Connectors
Fibre Optic Connectors
Fibre Optic Penetrators
Polyethylene Moulding

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