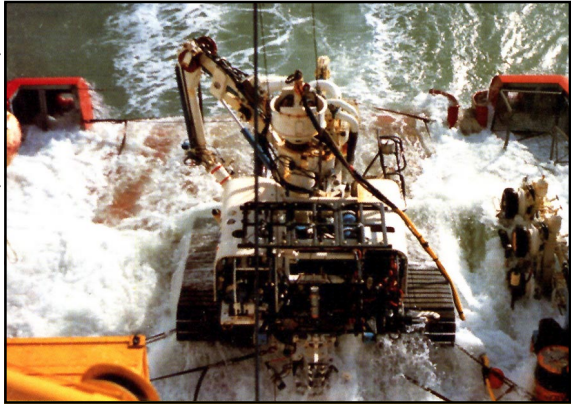


Courtesy Global Marine Systems



PDM

Subsea products and services



Design and Development Projects

Design & Development Projects



In addition to its manufacturing activities PDM has nurtured its substantial design and development capability. This work has included dedicated activities undertaken on the basis of client requirement specifications and co-operative projects carried out in conjunction with the client. Other projects have involved the design of assemblies with specific electromagnetic characteristics or to international standards. By way of illustration, examples of typical projects will be described.

Custom High Voltage Connector

Designed for the Global Marine Systems Subtrak vehicles, this connector had to have a compact envelope and a custom interface. The high voltage connector is produced in a 4 pin format and is rated at a max working voltage of 3.3kV AC. The current limit is 20A. Full acceptance testing was carried out on the units, and they have been in service for over a year.

Subsea module penetrator

PDM has designed and manufactured a subsea equipment module penetrator for eProduction Solutions. The equipment offers a multiple contact flexible penetrator which is currently configured to accommodate 60 pluggable contacts presently achieved with 30 2-way connectors. The system is designed for use in oil and fuels and for use at 6000psi. PDM has been awarded a contract for this system for a well extension project.



Penetrator



Divex harness

Harness Assemblies

PDM produced the first assemblies for the Divex Stealth diving equipment in 1998. The equipment was designed to meet EOD and Special Forces requirements. The purpose of the latest project was to reduce the magnetic signature of the Diver to a minimum, whilst minimising the impact of electromagnetic interference (EMI). This involved PDM in a detailed redesign of the harness assemblies. PDM have also produced harnesses to CE and LVD requirements.

Summary

From the range of projects described it can be seen that PDM has the capability of carrying out design and development projects successfully. This is possible because of the company's extensive knowledge of materials, elastomers, tool design and manufacturing techniques. If you have a design or development project you would like assistance with please contact PDM for a professional response based on real experience. All PDM design and development work is carried out under BS EN ISO 9001:2000.

Product brochures are available on

Epoxy/Rubber Moulded Connectors
Underwater Pluggable Connectors
Connectors/Cable Assemblies
Encapsulated Products
High Density Connectors
Wet Pluggable Connectors
Polyurethane Elastomers
Transition Zone Connectors
Quickcure Moulding System

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

PDM Neptec



4-6 Alton Business Centre
Omega Park Alton Hants
GU34 2YU England
Telephone: +44 (0)1420 85848
Fax: +44 (0)1420 84288
E-mail: sales@pdmneptec.com
Web Site: www.pdmneptec.com



BS EN ISO 9001:2000