

MEDIA INFORMATION

Advanced Insulation Ltd
Quedgeley West Business Park
Bristol Road, Gloucester GL2 4PA
United Kingdom

Advanced Insulation launches new compliant clamp technology for use with their range of distributed buoyancy modules.

Advanced Insulation – specialists in the design, engineering and manufacture of floatation and buoyancy solutions for the marine and offshore sectors – is launching a new range of distributed buoyancy modules (DBM) featuring the company’s latest, patent-pending integrated clamping technology.

DBMs are designed to reduce tension and load strain on subsea risers and umbilicals, which act as a connecting interface between static structures on the seabed and dynamic floating structures on the surface. Insulated or multi-layered subsea risers have softer outer surfaces, so traditional clamping methods that use stiff/rigid materials cannot grip without slippage or, through the use of higher clamping forces, damage the riser itself.

Advanced Insulation’s new range of DBMs feature a unique, patent-pending clamping technology that is designed to adapt to the specific needs and conditions of a riser’s operation and eliminate slippage throughout its operational lifespan. The new internal clamping mechanism consists of three segments housing nine rubber inserts, which innovatively increase the surface contact area at the interface between the riser and the DBM. Vertical bar retainer rubbers then ensure that there is no drop off while the holding bolts are engaged, which also secures the clamp element orientation and ensures that the clamp cannot misalign around the riser body. This innovative clamping interface allows Advanced Insulation’s new DBMs to be deployed where traditional solutions would often fail and also results in a smaller more efficient clamping solution.

Commenting for Advanced Insulation, Guy Downie, head of sales for buoyancy products says: “Rate of installation has been a major factor in the design of this DBM system, which promises to deliver significant gains in speed and reliability for the installer.”

He goes on to explain that fastener cover clips protect fixings and prohibit the growth of damaging marine life, prolonging the module’s working life. Filled with specific grades of syntactic foam, cylindrical buoyancy or ballast modules fit around the clamp and are secured using heavy-duty Kevlar straps. Various foam densities are employed in order to achieve a specific buoyant ‘upthrust’ that is suitable to survive the required operational water depth and field service life.

The ability of this system to be connected in a modular configuration allows for single, double and triple solutions based on a proven reliable standard. Each Advanced Insulation distributed buoyancy



Telephone
+44 (0)1452 880880
Facsimile
+44 (0)1452 880888
Internet
aisplc.com
Electronic Mail
info@aisplc.com

module is designed specifically to suit a customer's requirements and features a robust, highly durable exterior design that is low maintenance and easily installed.

For further information on Advanced Insulation's new distributed buoyancy modules, call +44 (0)1452 880880, visit www.aisplc.com or email info@aisplc.com.

Notes

Gloucestershire-based Advanced Insulation is a leading manufacturer of specialist passive fire protection and thermal insulation materials for the upstream oil and gas industry; and manufacturer and supplier of fendering and buoyancy products for the global marine and offshore energy markets.

Since it was formed in 2007, Advanced Insulation has become a single source provider for insulation and passive fire protection systems and represents one of the most respected and progressive names in topside and subsea insulation worldwide. The company's products are now qualified and used worldwide by major oil and gas companies – including Total, ConocoPhillips, Chevron, Samsung, BP, Statoil, ONGC, ENI Woodside, Talisman and ExxonMobil – and their engineering and fabrication contractors.

For further information, sales and reader service enquiries contact:

Matt Collins, Group Marketing Manager, Advanced Insulation Limited
Quedgeley West Business Park, Bristol Road, Gloucester, GL2 4PA, United Kingdom.
Tel: +44 (0)1452 880880, Email: matt.collins@aisplc.com Web: www.aisplc.com