Mako Offshore
Intelligence Centralised

Mako Dorsal
Cellar Deck Centralisers

Conductors are multi-string conduits for fluid or gas to and from the well which provide an essential structural component of fixed and jack up drilling installations. In operation the conductor is exposed to cyclical and impact loading due to current and wave action upon it. Therefore, the lifespan of conductors is determined largely by their ability to resist the cyclical and impact loading applied to them by the environmental conditions in which they operate.

Mako's Dorsal is an elastomeric centralizer system either cast in situ or precast and installed into the conductor guideframe. The Dorsal material acts in a manner similar to a suspension bushing in a car in that it absorbs external forces to minimise their effects on the overall system.



Figure 1: Cellar Deck Pre Cast

Advantages

Reduced Cost of Asset Ownership:
- Extend Conductor, Guideframe and Xmas Tree small bore pipework lifespan
- Elimination of centralizer inspection and maintenance
- Life of field centralizer system

Improved Asset Integrity Assurance:
- Prevention of corrosion/coating breakdown
- Reduction in dynamic loading
- Reduction in vibration migration to structure and ancillaries
- Elimination of point loads through full guideframe utilisation for support

Customised Design:
- Configurable for each application
- No requirement for precise conductor and guide concentricity during install

Efficient Installation:
- Install from the deck – no Rope Access
- EX rated equipment
- Rapid installation – 1 guide per 12hr shift



Figure 2: Customisable Locking Mechanism to Suit Any Guide



Figure 4: Cellar Deck Cast in-Situ



Figure 3: Pre-Cast Cellar Deck Installation

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