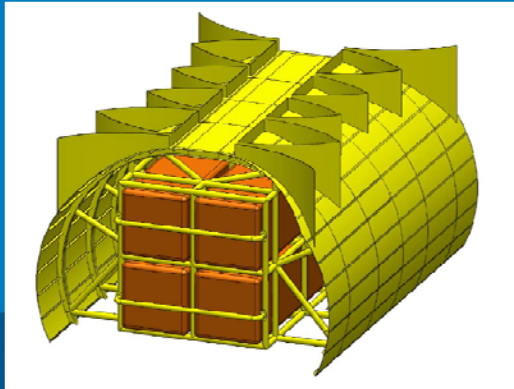


PROJECT:

Mid Depth Buoys Conceptual Design

under-promise
over-deliver



CLIENT:
Intecsea/ McDermott
LOCATION:
Ichthys URF Development
DATE:
2012



Intecsea engaged Linch-pin personnel to provide a conceptual design of Mid-Depth buoys for the Ichthys field in 250m of water. The MDBs were required to meet a functional specification for the operator INPEX.

Syntactic foam was used for the main buoyancy elements. A concrete filled steel base was used for the skirted, gravity base. The gravity base design was governed largely by the installation requirements to avoid slack slings while lowering the buoy through the water plane.

The buoy utilised studless chains for the primary tethers and polyester fiber ropes for the secondary tethers. A tether replacement procedure was written to ensure that the buoy did not have to be removed during the 40 year life of field.

