IE- WAVE RIDER BUOY II

Client: Internal
Project: Concept Feasibility
Scope: Conceptual Design
Date: 2010
Manhours: On-going Study
Location: Confidential

Project Description
From a family of Irvine control buoy designs, this particular concept is designed for benign to moderate environments typically West of Africa or Gulf of Mexico or moderate sea regions. It is a simple cylindrical design offering easy access and maintenance.

Irvine Scope
Develop a minimal cost buoy capable of operating in benign to moderate environments. To be used for providing subsea valve control, instrument control, chemical injection and telemetry back to a host platform. Can offer accommodation when required. Also has a helideck for easy access.

Principal Particulars
Design Status : Concept
Application : Benign to moderate environments
Topsides : 700 te
Process : -
Length : 18.0 m
Breadth : 18.5 m
Depth : 5.0 m
Displacement : 12,600 te
Storage : 6000 te Chemical injection/Methanol (larger designs to 1000 te)
Moorings : 6 (spread moored)
Accom : 6 – 12 person
Construction : Steel
Alternative Use : -
Docs. Available: Concept report
General arrangement drawings
Technical specification
Model test report