**IE-SV 100**

**Client:** Irvine Engineering  
**Project:** Various Proposals  
**Scope:** Conceptual Vessel Design  
**Date:** 2010  
**Manhours:** 1,000  
**Location:** South China Sea Area Environment

**Project Description**

The vessel is a ship shaped FPSO designed to meet the needs of short field life's or marginal fields. Capable of handling up to 8 risers with station keeping through DP utilising Voith Schneider propellers or conventional thrusters.

**Irvine Scope**

Develop a very low cost small FPSO design solution to meet the needs of economic multiple small or puddle reservoir recovery. The design features are a much lower cost DP system together with a self installable riser allowing the vessel to be independent from installation vessel support. Originally proposed as part of the Malampaya field development.

**Principal Particulars**

- **Design Status:** Concept  
- **Application:** Benign to moderate environments  
- **Length:** 130.0 m  
- **Breadth:** 41.76 m  
- **Depth:** 18.0 m  
- **Storage:** 48000 m³  
- **Construction:** Double hull steel structure  
- **Topsides:** ‘Plug and Play process’ topsides concept (35000m³/d)  
- **Alternative Use:** EWT / EPS or base for well services  
- **Docs. Available:** General arrangement drawings, Tank plans, Turret design, Technical specification