IE- TOP 50 FPSO

Client: Irvine Engineering
Project: West of African Proposals
Scope: Conceptual Design
Date: 2010
Manhours: 2,100
Location: West of Africa

Project Description
The unit is a low cost benign environment FPSO designed to meet the needs of marginal to large fields. A fully completed topsides facilities can be skidded in a single piece onto the hull thus minimising hook-up and commissioning activities. The vessel has a very large topsides weight carrying capacity. Typically capable of handling up to 15 risers. A simple spread mooring system is used for station keeping.

Irvine Scope
Develop a medium sized Production barge, benign deep water environments such as West of Africa. It’s key feature is a large topsides payload. Originally proposed as a host platform for a Methanol And Production System (MAPS) for the Escravos field development WoA.

Principal Particulars
Design Status: Concept
Application: Benign environments
Length: 116.14 m
Breadth: 62.0 m
Depth: 14.5 m
Storage: 51000 m³
Construction: Stiffened steel flat plate sections. Double side shell structure
Topsides: ‘Plug and Play’ Process or field specific concept. Maximum topsides weight approximately 20000 te
Alternative Use: FSU
Docs. Available: General arrangement drawings, Marine systems schematics, Structural arrangements