

## IE- C FPSO

**Client:** Irvine Engineering

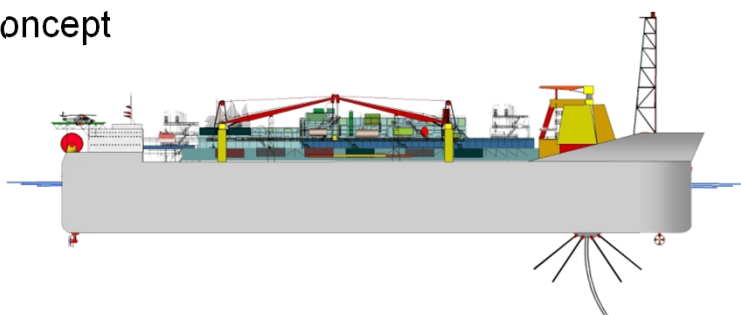
**Project:** West of Shetlands  
Joint Industry Study

**Scope:** Advanced Concept

**Date:** 2010

**Manhours:** 3,700

**Location:** North Sea



### Project Description

The design is a large concrete FPSO moored via a turret and 16 mooring line spread. The design was originally a joint industry project which identified a cost effective production solution for the West of Shetlands.

### Irvine Scope

As part of a Joint Industry study this concrete FPSO solution was developed as an option for the West of Shetland development. It's main feature is that performance and costs were comparative to a steel monohull, thus allowing an in-country fabrication approach to be adopted where fabrication facilities may not readily exist.

### Principal Particulars

Design Status :	Advanced Concept
Application :	Moderate to extreme environments
Topsides :	125000 te
Process :	150,000 bopd
Length :	261.0 m
Breadth :	47.5 m
Depth :	30.0 m
Displacement :	100 000 te
Storage :	750000m <sup>3</sup>
Accom :	60 person
Construction :	Concrete
Alternative Use:	FSU
Docs. Available:	Concept report General arrangement drawings Technical specification Model test report

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