

IE-MAPS - FPSO

Client: Brown & Root

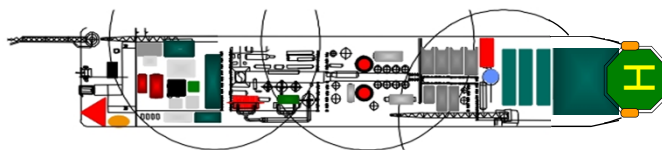
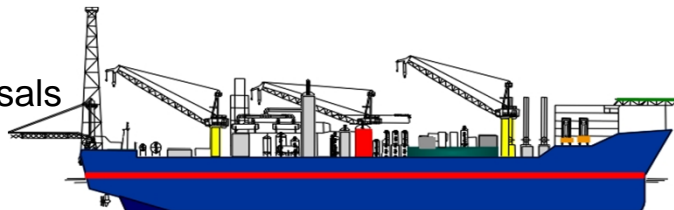
Project: Various Proposals

Scope: Conceptual Vessel Design

Date: 2005

Manhours: 2,300

Location: North Sea



Project Description

The vessel is a ship shaped FPSO receiving reservoir gas and producing methanol within a severe environment. Capable of handling up to 3 risers with station keeping through a turret based mooring system with heading control thrusters.

Irvine Scope

Develop a front running design for the production of gas to methanol within a monohull vessel. The design was originally proposed as part of the Norne field development. The main feature is the ability to offer a revenue for the gas as an alternative to expensive gas re-injection. An added feature is comparatively far less flaring when compared to normal gas recovery making the design more environmentally acceptable.

Principal Particulars

Design Status :	Advanced Concept
Application :	Benign to severe environments
Length :	220.0 m
Breadth :	38.0 m
Depth :	21.0 m
Storage :	45000 m ³ Methanol production 11000 m ³ crude methanol production
Construction :	Double hull steel structure.
Topsides :	Methanol production system and utility system for production of 2250 te / day. Total payload 16500 te
Alternative Use:	-
Docs. Available:	General arrangement drawings Structural arrangements Systems schematic Outline technical specification Approval in principle DnV

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