

RANG DONG FIELD, VIETNAM:

FSO Rang Dong MV17 External Turret



Scope of Work

SOFEC designed, constructed and supplied an external turret mooring system to moor a 52,000 dwt MODEC-newbuild FSO in 60m water depth. The Rang Dong field is located approximately 135km southeast of Vung Tau City on Block 15-2.

General Description

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|-----------------------|--|
| Client Name: | Japan Vietnam Petroleum Company, Ltd. (JVPC) |
| Contract Award: | July 2006 |
| Installation Date: | October 2008 |
| First Oil: | November 2008 |
| Vessel Size: | 52,000 dwt |
| Storage Capacity: | 350,000 bbls |
| Water Depth: | 60m (197ft) |
| Supply / Fabrication: | Turret - China Vessel - China |

Design Environmental Criteria (100-year storm)

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|--------------------------|----------------------|
| Significant Wave Height: | 9.0m Hs (2.7ft) |
| Wind Velocity: | 37.4m/s (72.7 knots) |
| Surface Current: | 1.1m/s (2.1 knots) |

Mooring System

9-leg 3x3, chain, wire rope and piles

Turret

External Turret

Fluid Swivel Assembly

| | |
|-----------|------------------------------|
| Crude: | 1 X 6-in. inline (Class 300) |
| Fuel Gas: | 1 X 6-in. toroid (Class 300) |

Riser Systems

1 X 6-in. - Crude
1 X 6-in. - Fuel Gas

Comments

This SOFEC external turret mooring system is ABS classed.