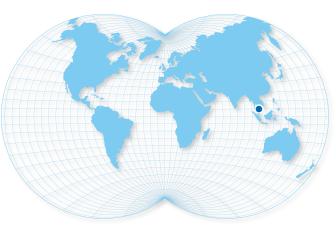


## BENCHAMAS FIELD - GULF OF THAILAND:

# FSO Benchamas 2 External Turret





#### Scope of Work

SOFEC designed, constructed, fabricated and installed an External Turret and Turret Support Structure for the Benchamas 2 FSO. The Benchamas Field is located offshore in the Bay of Thailand in approximately 71m water depth.

The SOFEC external turret mooring system is American Bureau Shipping (ABS) classed.

### **General Description**

Client Name: MISC Offshore Floating Terminals

Limited

Contract Award:
Installation Date:
April 2018
First Oil:
Wessel Size:
105,000 mt
Storage Capacity:
Water Depth:
Turret - MMHE

Topsides - MMHE Vessel - MMHE

## Design Environmental Criteria (100-year storm)

 Sig. Wave Height:
 7.4m (24ft)

 Wind Velocity:
 27.5m/s (33 kts)

 Current:
 1.09m/s (2.1 kts)

## **Mooring System**

Existing 9-leg (3x4) all chain mooring Replacement Top chain 100mm R3 Existing driven piles

#### Fluid Swivel Assembly

One (1) Low Voltage Electrical Slip Ring (LVESR)

Two (2) Condensate/Produced Water Swivel (8-in. Class 300)

One (1) Fuel Gas Toroidal Swivel (8-in. Class 300)

#### Riser System

2 x 8-in. Flexible Riser (Condensate/Produced Water Import)
1 x 6-in. Flexible Riser (Fuel Gas Service)