

CAMPOS BASIN, BRAZIL:

FSO UOTE External Turret



Scope of Work

SOFEC designed, constructed, fabricated and delivered an external mooring system for the FSO UOTE. The FSO is part of the Petrobras Offshore Crude Terminal located in the Campos Basin, Offshore Brazil. The offshore crude terminal consists of two CALM buoys and a turret moored FSO unit with tandem mooring for shuttle tankers. The FSO UOTE is located in 75 meters water depth and is designed to withstand the extreme environmental conditions with return periods up to 100 years, with a passive, weathervaning external turret mooring system.

The SOFEC external mooring system is ABS classed.

General Description

Client Name:

Contract Award: Installation Date: First Oil: Vessel Size: Storage Capacity: Tanker Pacific Offshore Terminals, Pte. Ltd. January 2012 August 2013 September 2013 391,800 dwt 339,200 bbls Water Depth: Fabrication: Turret -Vessel - 75m (246ft) China China

Design Environmental Criteria (100-year storm)

Sig. Wave Height: Wind Velocity: Current:

7.84m (25.7ft) 31m/s (60.2 kts) 1.4m/s (2.72 kts)

Mooring System

4 x 3 mooring system consisting of chain and drag anchors

Fluid Swivel Assembly

3x 20-in. Toroid Swivels, 150# SOFEC designed and supplied swivel stack, with electrical and Fiber optic slip rings

Riser System

2 x 20-in offloading submarine hoses with one control umbilical