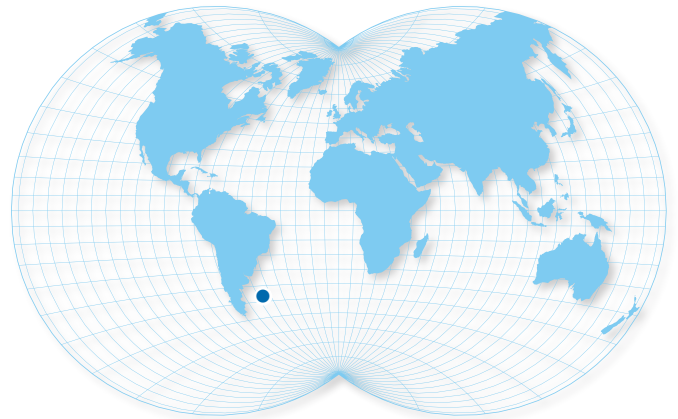


MARLIM FIELD, CAMPOS BASIN, BRAZIL:

# FPSO Anita Garibaldi – MV33 Spread Mooring System

Under  
Construction



## Scope of Work

SOFEC is responsible for the design and procurement of a spread mooring system for the FPSO Anita Garibaldi – MV33 which will be deployed at the Marlím Field in the Campos Basin, in the northern region of the Rio de Janeiro State, 150 km off the coast.

The FPSO will be capable of processing 80,000 barrels of crude oil per day, 247 million standard cubic feet of gas per day, 390,000 barrels of water injection per day and has a minimum storage capacity of 1,400,000 barrels of crude oil.

The FPSO will be able to accommodate a total of 59 flexible risers and umbilicals.

The SOFEC spread mooring system will be ABS classed.

## General Description

Client Name:	Petróleo Brasileiro S.A. (Petrobras)
Contract Award:	October 2019
Installation Date:	Planned for 2022
First Oil:	Planned for 2022

Vessel Size:	300,000 dwt
Storage Capacity:	1,000,000 bbls
Water Depth:	670 m (2,198 ft)

## Design Environmental Criteria (100-year storm)

Sig. Wave Height:	7.85 m (25.76 ft)
Wind Velocity:	31.38 m/s (61.00 kts)
Current:	1.87 m/s (3.63 kts)

## Mooring System

2 x 6 + 2 x 5 mooring system consisting of chain and polyester rope.

Torpedo piles and pile chains are supplied by Petrobras.

## Riser System

- 17 Oil Production Risers
- 17 Gas lift / Service Risers
- 6 Water Injection Risers
- 1 Gas Import / Export Riser
- 16 Control Umbilical
- 1 SESDV Control Umbilical
- 1 Fiber Optic Cable