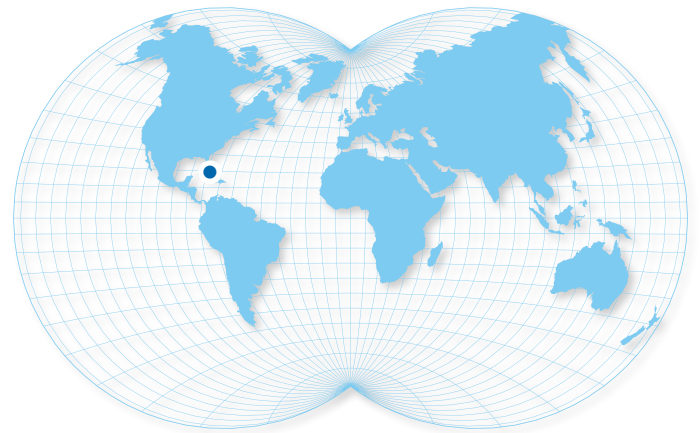


PALENQUE, DOMINICAN REPUBLIC: Palenque CALM



Scope of Work

SOFEC designed, constructed and delivered a replacement CALM for crude oil import.

General Description

Client Name:	Shell
Contract Award:	June 1984
Installation Date:	May 1985
Application:	Crude Oil Import

Project Specifications

Water Depth:	25m (82ft)
Tanker Size:	100,000 dwt
Dimension:	10.5mØ x 4.0m
Floating Hose:	2 x 16-in.
Underbuoy Hose:	2 x 16-in. Chinese Lantern
Hawser System:	Unavailable
Anchor Leg System:	8 x 3-in.
Anchor System:	Unavailable

Comments

Under a license agreement with Shell Oil International Ltd. SOFEC provided a CALM buoy for import service to the Refidomsa refinery in the Dominican Republic. This type of CALM buoy is generally known as a "Shell Bearing Buoy" in that the turntable with all its product piping, fluid swivels, mooring and hoisting equipment is supported entirely by a 3.4m three-race roller bearing. There are no outboard turntable rollers or "bogie" wheels. The SOFEC design provided a complete and fully sealed housing with lubrication around the main bearing. The fluid swivel is fully isolated from mooring loads on the turntable.