

# ARZEW, ALGERIA: Sonatrach Arzew #1 & #2 CALMs



# Scope of Work

In December of 2002 SOFEC was awarded design, supply and installation of five offshore loading stations for transportation of crude oil and condensate from onshore facilities for Sonatrach TRC, the Oil and Gas Company, in Algeria. The project provides for the installation of five SOFEC CALM export buoys and associated PLEMs, onshore and offshore pipeline and onshore facilities including metering and pumping stations.

### **General Description**

Client Name: Contract Award: Installation Date: Application: Sonatrach TRC December 2002 2005 Export

# **Project Specifications**

Water Depth:	Arzew #1	62m (203ft)
	Arzew #2	52m (171ft)
Tanker Size:		320,000 dwt
Dimension:		12.5mØ x 5.3m
Floating Hose:		2 x 24-in.Ø to 16-in.Ø

Underbuoy Hose: Mooring Hawser: Anchor Leg System: Anchor System: 2 x 24-in.Ø Lazy Wave 15-in. Dual 360T M.W.B.S. 6 x 3-in. Grade R3 Studless 6 x 10mt Stevshark drag anchors

# Design Environmental Criteria

Operational Significant Wave Height: Wind Velocity: Surface Current:

100-year Significant Wave Height: Wind Velocity: Surface Current: 2.5m (8.2ft) 14.84m/s (28.9 knots) 0.58m/s (1.1 knots)

7.9m (26ft) 25m/s (48.6 knots) 0.74m/s (1.4 knots)