**Scope of Work**
SOFEC will design, construct, and supply one (1) Catenary Anchor Let Mooring (CALM) system for Oil Search (PNG) Limited to be installed in the Gulf of Papua, Papua New Guinea.

The CALM Buoy system includes the complete buoy assembly, PLEM, anchoring system and telemetry package.

It carries an ABS Classification A+ and is designed and fabricated in accordance with ABS Rules for Building and Classing Single Point Moorings.

**General Description**
- Client Name: Oil Search (PNG) Limited
- Contract Award: June 2010
- Installation Date: Planned for 2012
- Application: Export Crude Oil and condensate
- Underbuoy Hose: 2 x 12-in.
- Hawser System: 20-in. Dual grommet
- Anchor Leg System: 3.503 9-in. studless chain
- Anchor System: Piles

**Project Specifications**
- Water Depth: 35m (115ft)
- Tanker Size: 120,000 dwt
- Dimension: 12.5mØ x 5.3m
- Floating Hose: 1 x 16-in., 1 x 21-in.

**Design Environmental Criteria**
- **Operational**
  - Significant Wave Height: 3.7m (12ft)
  - Wind Velocity: 22m/s (42.8 knots)
  - Surface Current: 1.7m/s (3.3 knots)

- **Survival**
  - Significant Wave Height: 4.2m (13.8ft)
  - Wind Velocity: 26m/s (50.5 knots)
  - Surface Current: 1.9m/s (3.7 knots)