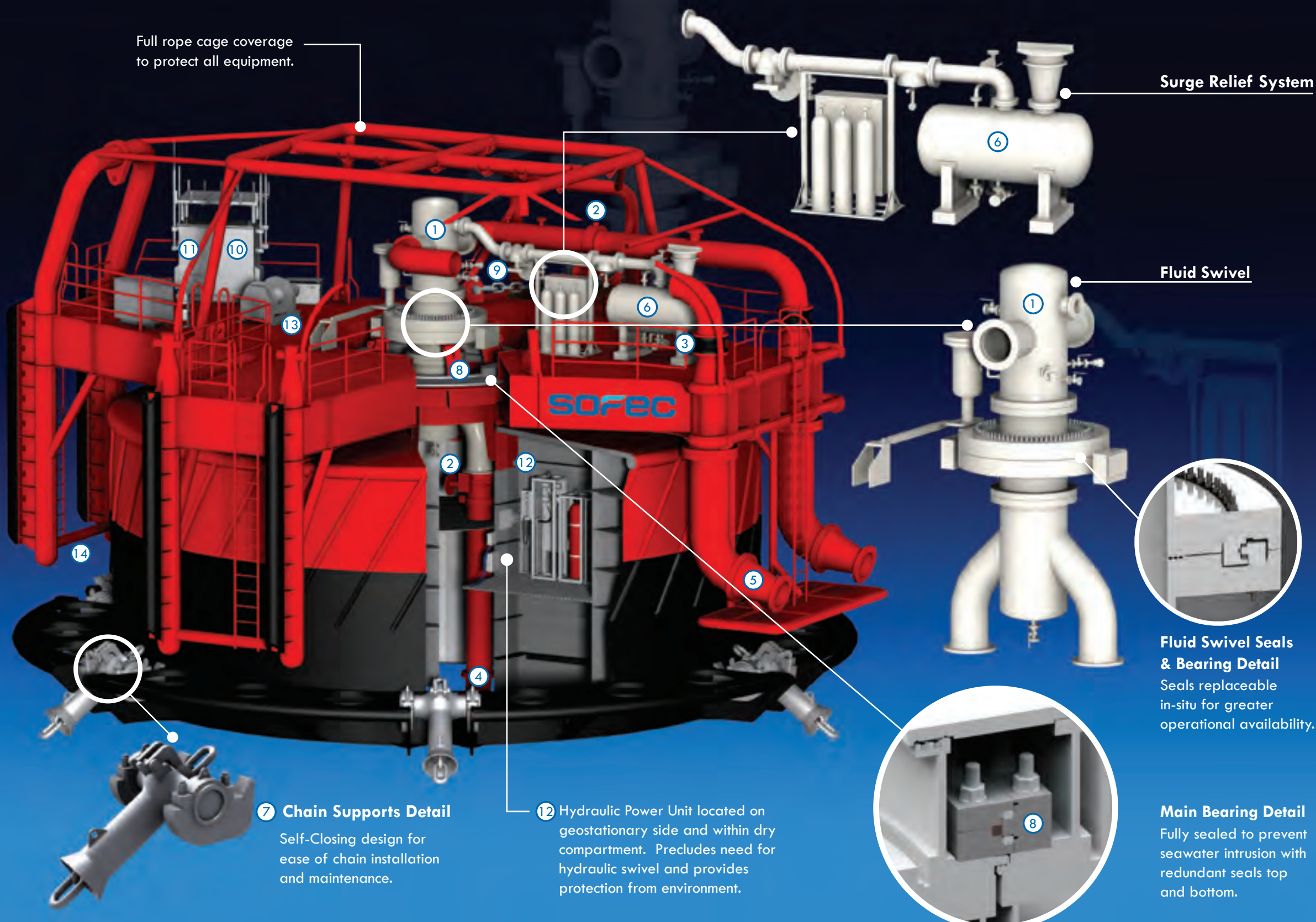


CALM BUOY | OFFSHORE MARINE TERMINAL

Trusted Design | Quality Workmanship | Proven Experience



Full rope cage coverage to protect all equipment.

Surge Relief System

Fluid Swivel

7 Chain Supports Detail
Self-Closing design for ease of chain installation and maintenance.

12 Hydraulic Power Unit located on geostationary side and within dry compartment. Precludes need for hydraulic swivel and provides protection from environment.

Fluid Swivel Seals & Bearing Detail
Seals replaceable in-situ for greater operational availability.

Main Bearing Detail
Fully sealed to prevent seawater intrusion with redundant seals top and bottom.

Key Features

- SOFEC Marine Terminals operate in a wide range of environments and water depths, and are designed for all tanker sizes trading in today's markets.
- SOFEC's standardization of design leads to low cost, field proven technology.
- SOFEC's more than 4 decades of experience results in proven custom designs when special purpose applications are required.
- SOFEC designs are approved by all major Classification Societies.

Technical Features

Product Flow Path

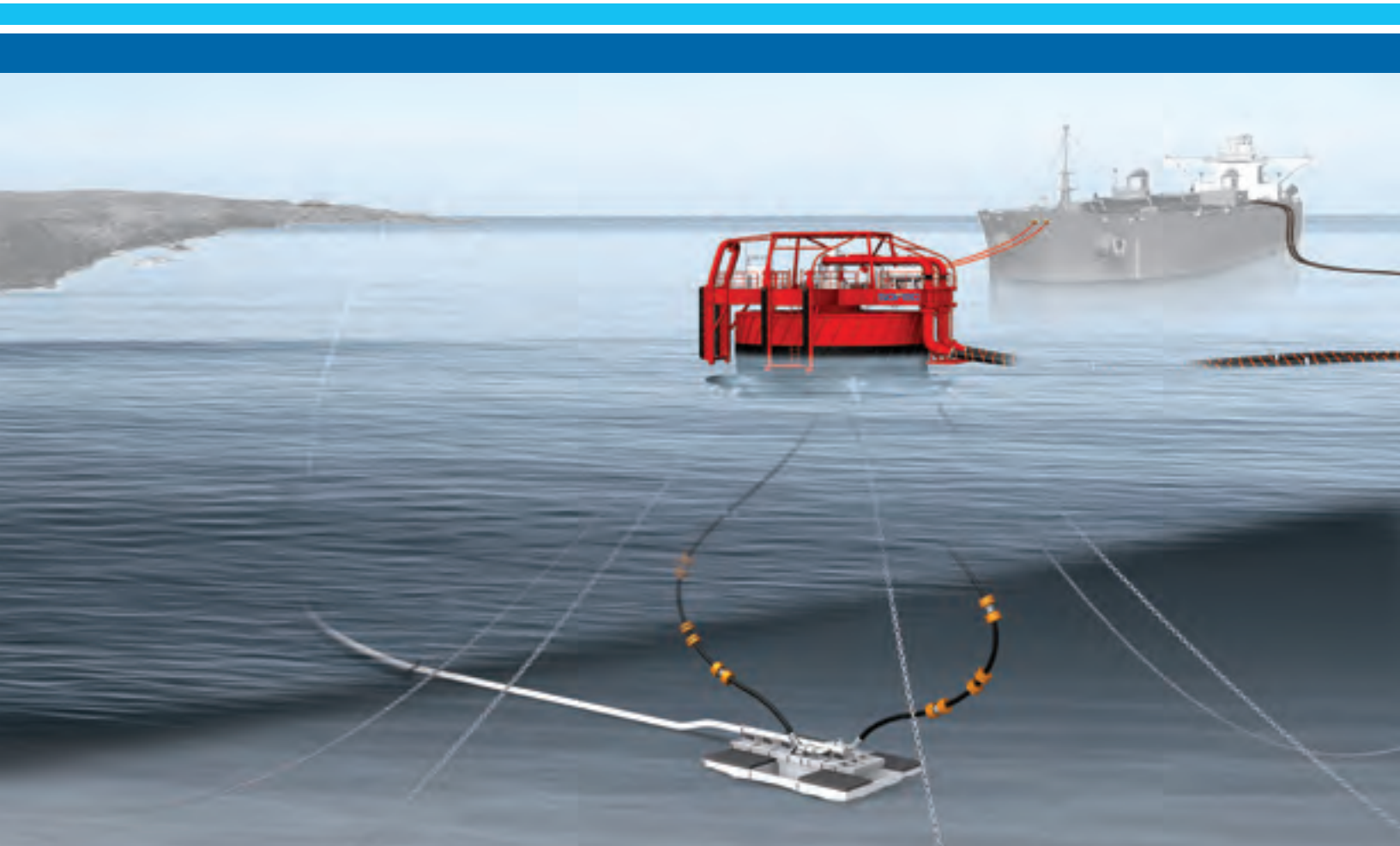
- 1 Fluid Swivel
- 2 Valves (Centerwell & Turntable)
- 3 Expansion Joint
- 4 Underbuoy Hose Connection
- 5 Floating Hose Connection
- 6 Surge Relief System

Structural Load Path

- 7 Chain Support
- 8 Main Bearing
- 9 Mooring Bridle

Ancillary Equipment

- 10 Nav Aids & Solar Panels
- 11 Telemetry & Control System
- 12 Hydraulic Power
- 13 Maintenance Winch
- 14 Dual Boat Landings



A Global Leader in the supply of Offshore Marine Terminals

sofec

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