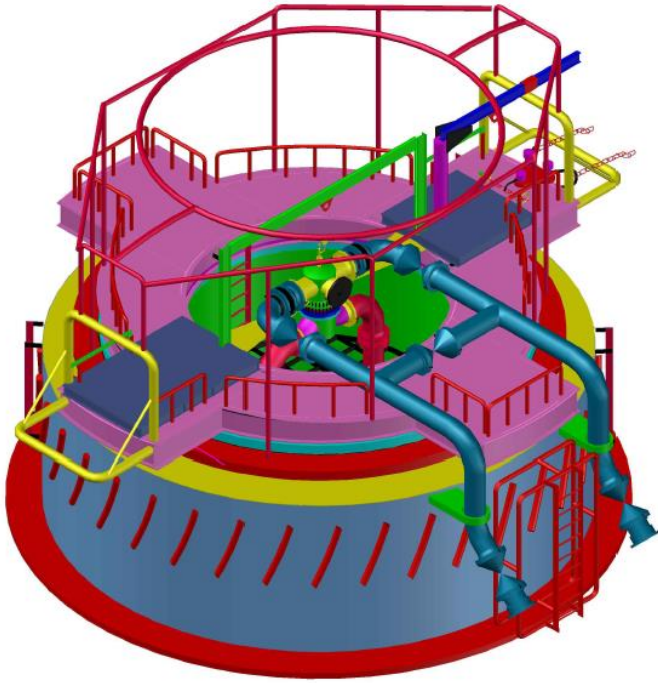




# Single Point Mooring Terminal System

Inc – EDON.MO&G. Pte Ltd

## CALM Buoy Body



- Capacity ranging **60000 to 350000 DWT**
- Total Weight of Buoy: **250 Ton**
- Dimension Circle: 15.0m, Height: 5.0m
- Welded Steel Structure
- **6 Equally spaced compartments** by watertight bulkheads
- Adequate Floatation Stability and Buoyancy
- Adequate Buoyancy Capacity
- Hatch/Bolted Manhole fitted Compartments
- Mounted Hand Bilge Pump
- Equipment Storage
- Accessible center to accommodate Piping
- Steel Platform Fitting

- **Three Race Roller Bearing**
- Maximum Turntable Torque: **4 Ton-m**
- **Uni-Joint** connection of Mooring Hawser
- Dimension Width: 15.5m (including mooring platform)  
Length: 12.1m, Height: 1.1m

### Rotating Mooring Arm

- Mooring Hawser Chain Bridle
- Mooring Tension Meter

### Rotating Balance Arm

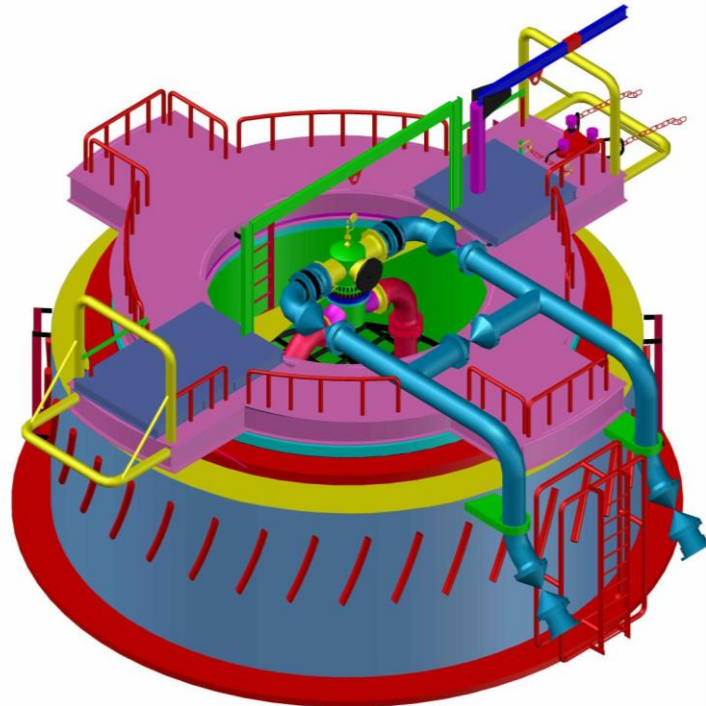
- Mooring Lugs
- Air Driven Winch with Centrifugal Break

### Rotating Pipe Arm

- Pipe Run from Buoy to Swivel

### Anti-fouling Guard

## Turntable





# Single Point Mooring Terminal System

Inc – EDON.MO&G. Pte Ltd

## Fluid Swivel & Piping

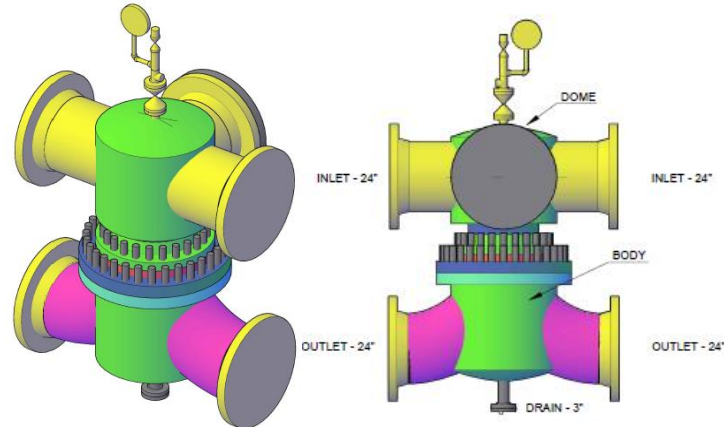
- Raised Face Flanges – ANSI Class 300
- Expansion Bellows/Rubber Composite Flexible Joints
- Allow **Differential** Movement
- Temperature Gauge, Pressure Gauge and Safety Valves
- Piping for **Crude Oil, Condensate, other chemical products**

### Piping

- ANSI B31.3
- **23 bar** Design Pressure
- **30 C<sup>0</sup>** – Ballast Water
- **28 C<sup>0</sup>** – Crude Oil

### Cargo Piping

- Pipes: API SL Gr. B.
- Flanges: ASTM A105
- Fittings: ASTM A234 Gr. WPB
- Weldolets: ASTM A105
- Bolting: ASTM A193. B7 & A194 2B (PTTF Coat)
- Gasket: Spiral Wound, Chlorite-Graphite Filler



## Navigation & Safety

- Mounted Radar Reflector
- 360 degree Signal Lantern
  - White Light – 5 miles
  - Atmospheric Transmissivity – 0.85
- Automatic Solar Switch
- Automatic Lamp Charger
- Morse “U” Signal (Every 10 seconds)
- Power Supply – min. 20days (12 hrs)
- Solar Panel
- Landing Light Buoy – ZL-260
  - Flash (Every 5 seconds)
- Adjustable Timer

## Cutech Process Services Pte Ltd

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