

Many EPC companies, have contacted DropsA to develop Lubrication system for turrets. The turrets are standard on FPSO (Floating Production Storage Offloading ) and FPO (Floating production Offloading) . The specifications can very complicated mainly because ATEX regulations dominate the oil and gas industry.



The turret is main assembly of the whole vessel, and it is the pivot point where the vessel is able to rotate during the mooring. Most turrets are currently manufactured using bearings upto 8 meters. Due to high demand for faster oil extraction , vessel builders have to increase above 8 meters. Bearings above 8 meters diameter are hard to come by and can be very expensive. New technology has emerged by using large diameter cylinders of approximately 20 meters. The cylinders are held in place by bogies. These bogies are lubricated with grease pads at both the radial and axial wheels.



DropsA proposed:

- **SUMO ATEX**

The pump is mounted into SS316 enclosures that protects from external environmental issues and protects from wave contact.

- **Dual Line divider (DMX)**

DropsA dual line divider allows to maintain a correct distribution of grease on each point. They are suitable for ATEX and marine Environment they are certified and made in SS316.

- **Control Panel PLC based**

DropsA software permits to have all the functions requested from the specification.

- **VIP5 ATEX (DropsA SW based)**

DropsA software permits to have all the functions requested from the specification, keeping under control the cost. VIP5 ATEX is standard DropsA.



### Automatic Greasing Unit

