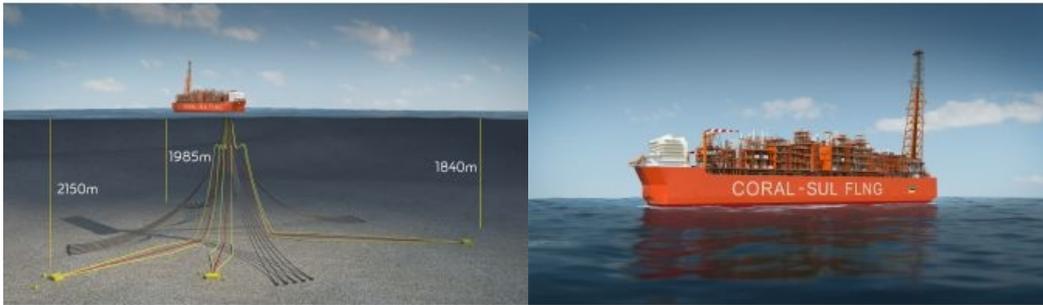


Deepwater Turret Mooring Monitoring Offshore Mozambique



Mooring solutions supplier, SOFEC, Inc., has selected BMT and Sonardyne Inc., under their teaming agreement, to supply an innovative mooring monitoring system (MMS) for a major new deepwater development. The new system will involve monitoring of the turret mooring system on a new-build floating liquefied natural gas (FLNG) facility being built in South Korea for ENI's Coral South project offshore

Mozambique. With water depths ranging from 1,500-2,300 meters, SOFEC, a MODEC Group company, wanted to integrate a robust and reliable MMS to complement their market leading turret mooring solution.

Station-keeping Turret Monitoring System

Above the waterline, BMT will supply the station-keeping turret monitoring system and local control panel with a touchscreen interface. The control panel will also house Sonardyne's topside equipment, to minimize the system's footprint. Additionally, the system will allow SOFEC's client to gain remote data access through BMT's secure cloud-based portal, BMT DEEP.



ENI's Coral Sul FLNG vessel. Image courtesy of ENI - 2

Below the waterline, Sonardyne's SMART (Subsea Monitoring, Analysis and Reporting Technology) will be used to constantly monitor mooring integrity on each of the 20 anchor legs. Daily summary reports and automatic fault detections will be wirelessly communicated to the surface from the SMARTs real-time.

Image Caption: ENI's Coral Sul FLNG vessel. Image courtesy of ENI.