



Capability Statement

Mozambique Marine Baseline and EIA



Client : Anadarko Petroleum Corporation and ERM

WORK DONE:

- Derived an essentially qualitative marine environmental baseline (i.e. How does it work and what are the environmentally important components) for impact assessment.
- Derivation of quantitative biodiversity baselines for Palma Bay mainland and Island intertidal shores, subtidal seabed features & sediments, seagrass, corals, & ecological processes.
- Conducted the marine EIA process.
- Determined a suitable location for LNG plant development.
- Development of real time monitoring systems.
- Investigation of coral restoration methods and trials for implementation.

ENVIRONMENTAL SURVEYS FOR EIA (WITH ERM)

- Characterising of offshore gas fields.
- Offshore deepwater, sediment and water column characterisation.
- Pipeline routing and sea bed mapping.
- Investigative Baseline studies.
- Prosperidade Pipeline Corridor Surveys.
- Coral Crown of Thorns and Drupella assessment in coral reefs.
- Seagrass Biodiversity surveys .
- Coral Biodiversity surveys.
- Dredge/Disposal Sediment Properties.
- Pockmark Investigation.
- Real Time Light Monitor Prototype.

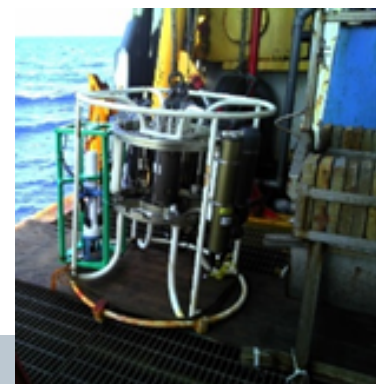


POST EIA APC DIRECT CONTRACT

- Seabed survey in Construction Areas for engineering inputs.
- Intertidal Surveys.
- Water Quality and Organism Contaminants assessment.
- Golfinho Pipeline Corridor Survey.
- Engineering model set up assistance & combined effluent discharge modelling assessment.
- Whale/2D Seismic Risk Assessment reporting.
- ROV event logging and interpretation.
- Palma Bay IFC PS6 critical habitats assessment.

OUTCOMES:

Developed an in-depth understanding of the host environment in Palma Bay and broader insights into the offshore gas fields. This has enabled the client to proceed with the regulatory approval process, incorporate mitigation measures into the design of the LNG plant and defined biodiversity offset requirements according to IFC PS6 specifications.



“Detailed description of baseline conditions and Identification of the marine impacts associated with a proposed LNG development in northern Mozambique”