New Doha Port Mitigation
Hard Coral Mitigation Plan
2012

Client
COWI Qatar

Project
The New Doha Port and naval base requires an 11km shipping channel and the reclamation of 4km2 of seabed, which includes burial of a natural reef with a hard coral community and potentially indirect impacts to a second nearby reef due to sediment plumes. Environmental permits stipulated a coral mitigation plan be prepared in addition to the EIA - and mitigation be completed prior to any dredging works.

Services Provided
- Site surveys to confirm coral species, size, abundance, suitability for relocation, ecological value, imperiled and threatened boundaries, and suitable relocation sites
- Mobilisation of equipment and international team
- All in-country logistics
- Comprehensive mitigation plan with options ranked with regard to cost, benefits, likely success, timescale, availability of resources and practicality
- Artificial reef designs to compensate for ecological services lost as a result of burying the natural reefs
- Preparation of tender specifications with sufficient detail for the client to request proposals for the mitigation options

Benefits to the Client
- Independent advice as to practicality of EIA recommendations
- Mitigation options clearly defined and ranked
- Mitigation options that will help Qatar retain important coral assets and biodiversity. The constructed reefs will actually be more productive than the reefs that will be lost.
- Tender specifications for the mitigation works

Important point regarding EIA’s and coral mitigation plans
We routinely find that coral surveys conducted for EIA’s do not tend to collect the appropriate data necessary to prepare a mitigation plan. Therefore additional surveys have to be conducted which adds to the time and cost of the project - potentially delaying works. We highly recommend that you engage our services in the EIA stage if you feel that a coral mitigation plan will need to be prepared.

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