

Sea-water intake, Sur, Sultanate of Oman

The Qalhat LNG waterfront marine facilities project was awarded to BAM International as marine subcontractor on the expansion of the Oman LNG Plant. The overall project involved the construction of a third liquefaction train, which was constructed adjacent to the two existing trains of the LNG plant in Qalhat, near Sur, some 350 kilometres from the capital Muscat.

The existing facilities kept running throughout the expansion's construction period. Obviously, this obviously demanded very high standards of health, safety and environmental procedures as well as quality standards on the part of the contractors.



Location	Qalhat, near Sur, adjacent to Oman LNG complex
Client	Qalhat LNG, subsidiary of Oman LNG
Contractor	BAM International bv (formerly Interbeton) as marine subcontractor of Chiyoda Foster Wheeler
Contract period	April 2003 – March 2005
Contract sum	€ 21 million

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making a significant contribution
to the economy of the country.'*

Scope of work

The engineering, procurement and construction (EPC) contract comprised the design and construction of a temporary ro-ro jetty, the civil construction of a sea water intake station and the construction of a weir box structure. Furthermore the design, supply and installation of a sea water intake pipeline, a submersed intake structure and an outfall pipeline.

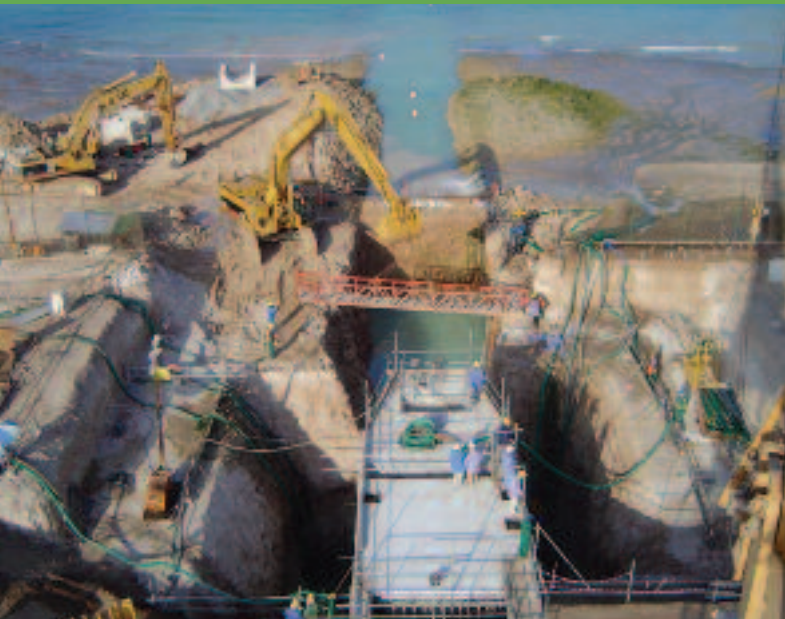
Ro-ro jetty

The 120 metres long temporary ro-ro jetty was constructed with a jetty head and was needed to receive client's equipment by sea freight for the Train 3 works and for loading and unloading of offshore equipment and pre-cast elements for the construction of the new intake/outfall pipelines.

Sea water intake and weir box



Final connection - pump house and intake line



Sea water intake station and weir box

The station's main function is to take in sea-water through the offshore intake pipeline and pump into the Train 3 plant for cooling purposes. The weir box construction is there to reduce the velocity of cooling water as it comes out of plant Train 3 and is discharged back into the sea through the outfall line. This way the rocking water discharge does not have any adverse effect on marine life.

Marine works



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