

Jetty extension, Qatar Fertilizer Company (Qafco) IV, Mesaieed, Qatar

Qafco (Qatar Fertiliser Company) was founded in 1969 as a joint venture to produce chemical fertilisers. It was the first and a significant step in Qatar's industrial diversification programme towards sustainable use of its abundant natural gas resources.

The Qafco IV comprised the extension of a jetty and the realisation of cooling water installation for new production facilities in the city of Mesaieed, approximately 40 kilometres south of Doha. In 1996, BAM International successfully completed the marine works for the QAF0 III extension.



Location

Mesaieed Industrial City, Qatar

Client

Qatar Fertiliser Company (Qafco)

Contractor

Uhde GmbH, CCC, BAM International bv

Contract period

September 2001 - July 2003

Contract sum

€ 24 million

'A complete new process plant.'

Scope of work

The Qafco IV plant was an extension to the three already existing plants (Qafco I, II and III).

The project comprised the construction of a complete process plant, a ship loading jetty and all connected urea transport facilities, a complete seawater cooling system and all the utilities and general facilities required to run the above plants/systems, inclusive of power generation, steam generation, desalinated and demineralised water production systems.

The interconnections to the existing Qafco I, II and III plant facilities and all activities necessary to complete engineering, procurement, construction, commissioning and start-up as well as supervision of performance testing was also part of the contract.

BAM International was within the group of contractors responsible for the marine works comprising the seawater cooling system and the urea export jetty works.

Outfall structure



Pile drilling at jetty approach



Intermediate conveyor trestle

Seawater cooling system

The works included the seawater intake structure, intake pipelines, pump house, weir box structure and seawater outfall pipe, diffuser and outfall structure.

Urea export jetty works

The jetty works included several new mooring dolphins and catwalk, the construction of a jetty access bridge and the demolition of one of the existing mooring dolphins. Furthermore a new jetty platform and a new intermediate conveyor trestle were constructed.

Weir box structure



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