

Project

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

Qafco 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 V project comprises the design and construct for the extension of jetty one, to make it accessible for bulk carriers up to 70,000 DWT. Previously, in June 2003, BAM International completed the Qafco IV project, being the new plant for the ammonia and urea production, as an extension to the three already existing plants (Qafco I, II and III). In April 1997, BAM International completed the Qafco III project.



Location Mesaieed Industrial City, Qatar
Client Qatar Fertiliser Company (Qafco)
Contractor BAM International for main contractor
Hyundai Engineering & Construction Co.

Contract period March 2008 – December 2009
Contract sum € 24 million

'Increased capacity for an industry that diversifies Qatar's abundant natural gas resources.'

Scope of work

The extension of the jetty comprises the construction of an 100-metre jetty access bridge, a 200-metre jetty platform, a new remote mooring dolphin, cathodic protection, the quick release hooks and bollards, a marine fender system and navigational aids. Also tension and compression testpiles were included in the scope.

550-ton compression test



Overview jetty platform under construction



The concrete precast elements were fabricated and steel jetty piles were spliced on the project laydown area near the construction site. All elements and piles were transported from there – through the fertilizer plant – to the offloading jetty, where they were loaded onto transport barges to be taken to the construction site.

Drilling of rock socket for raked steel pile



Build-up of jetty deck with precast concrete

