

## New LNG Terminal, Aqaba, Jordan

Design and construct of the Aqaba New Liquefied Natural Gas (LNG) Terminal, 18 kilometres south of Aqaba. The EPC contract included the design and construction of an LNG jetty with approach trestle, including the mechanical, engineering and piping services, the onshore MEP works, buildings, infrastructure, landscaping and the tug jetty structures. BAM handed over the project two months ahead of schedule.

The LNG Terminal forms part of ADC's plan for developing Aqaba's Energy Ports. The Government has tasked ADC to develop Jordan's energy intake capabilities to ensure a consistent supply of energy fuels such as oil, LNG and LPG.

BAM completed the extension of Aqaba Container Terminal (for APMT and ADC) and the Aqaba New Port project to the north and south respectively of this new terminal, both key developments in Jordan.



<b>Location</b>	Aqaba, Jordan
<b>Client</b>	Aqaba Development Corporation (ADC)
<b>Design</b>	BAM Infraconsult
<b>Contractor</b>	BAM International/BAM Contractors in joint venture with MAG (Jordan)
<b>Contract type</b>	Design & Construct
<b>Contract period</b>	2014 - 2015
<b>Contract sum</b>	€70 million

*'Ensuring a consistent supply of energy fuels.'*

### Scope of work

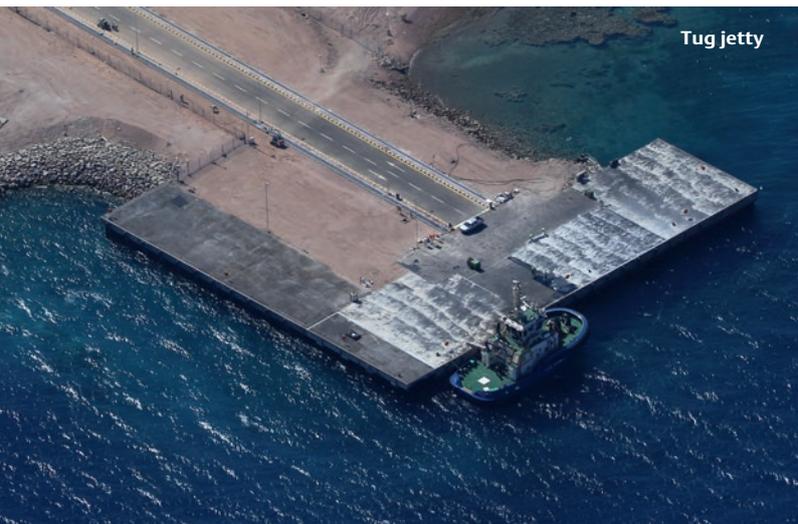
A total of 98 tubular steel piles, up to 76 metres in length and 1-1.2 m diameter, were driven for the marine structures, with 90 of the piles raking at 1:4.

The EPC contract works also included the extension of the existing berth to the north of the LNG terminal that is used as the tug berth for the 80-tonne bollard pull tugs required to attend to the berthing requirements of the FRSU and LNG carriers.

Landside works included the construction of the terminal, administration and utility area buildings, the roads and pavement works and the site security fencing and access control works.



Marine structures



Tug jetty

### Marine and landside works

The BAM-MAG joint venture completed the design, procurement and construction of offshore works, comprising the construction of 20 m x 20 m loading platform, four mooring dolphins, two breasting dolphins, the catwalks between the structures, a 108 metre-long approach trestle and all jetty furniture, including fenders, quick releases hooks, ladders and handrails. The EPC works also included the topsides, which comprised the gangway tower, marine loading arms, pipework, lighting, fire monitors, cabling and CCTV camera's.

### First gas

The FRSU *Golar Eskimo* successfully berthed at the Aqaba LNG terminal in May 2015.

The first gas took place in June 2015, at which time the repressured natural gas discharged into the 36" transmission pipeline and onto Jordan's power stations. The new LNG terminal receives gas from an FRSU on a continuous basis.

The terminal facility will be operational 24 hours a day, seven days a week, 365 days a year, with an overall availability of at least 98%.



Process area



Utility area and terminal buildings