

JT4 Offshore Bridge (UAE)



Description of the project

The Jebel Ali Terminal 4, phase 1, is located to the operational Terminal 2, in the vicinity of a LNG import terminal and the shipping fairway to Jebel Ali.

To connect the terminal with the mainland a causeway will be constructed with an approximate total length of 2,240 m. This causeway will be split in two, the northern and southern causeway, by a 440 m long bridge. This is to ensure water circulation through the existing port. The causeways will consist of two rock structures containing reclamation fill with an approximate width of 35 m. The 440 m dual carriageway bridge will be a concrete gravity structure founded on rock foundations. The gravity piers significantly reduce the interface with buried gas line from the LNG facility.

The bridge is located close to Dubai International Airport and connects the terminal with the mainland



mageba scope

mageba supplied a total of 264 elastomeric bearings that act as elastic connection between the elements of this offshore bridge.

Type B, the laminated bearing, is fully covered with elastomer, comprising only one steel reinforcing plate and can be positioned between the elements without anchoring.

Production according to American Standard AASHTO LRFD Section 14 and in-house testing was performed by mageba's ISO-certified production facility in Kolkata, India.

The piers on site ready for installation. The bearings are the connection elements to the bridge



Highlights & facts

mageba products:

Types:	LASTO®BLOCK type B elastomeric bearings
Features:	According to American Standard AASHTO LRFD Section 14
Testing:	In-house testing of finished bearings by mageba India
Installation:	By general contractor BAM International LCC
Year:	2015
Structure:	
Location:	Dubai
Completed:	Fall 2015
Type:	Offshore bridge
Length:	440 m
Contractor:	BAM International

The elastomeric bearings LASTO®BLOCK have been produced and tested by mageba India

