

maeg

FOOTBRIDGE 03

BRIDGES AND VIADUCTS

- PEDESTRIAN BRIDGES

FOOTBRIDGE 03

Location

Dubai, United Arab Emirates

Client

Joint Venture Road & Transport Authority (RTA),
Meydan and Meraas

Contractor

Belhasa Six Construct LLC

Scope of work

Design, fabrication and installation of steel
structures

Period of execution

2016

Weight

1.380 tons

Length

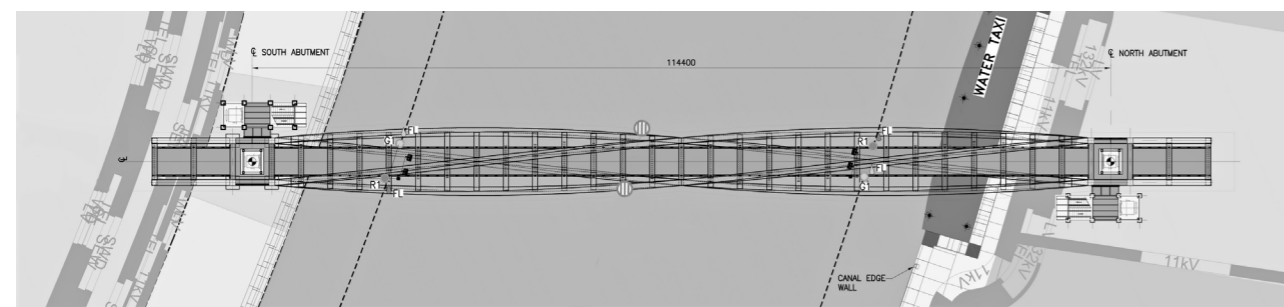
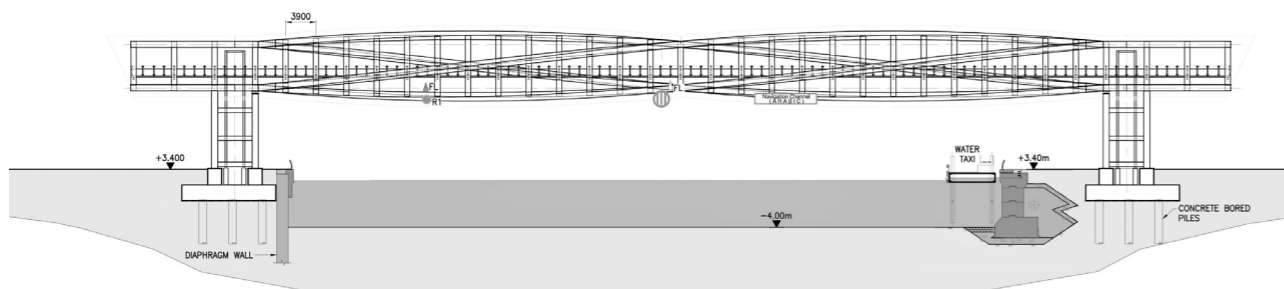
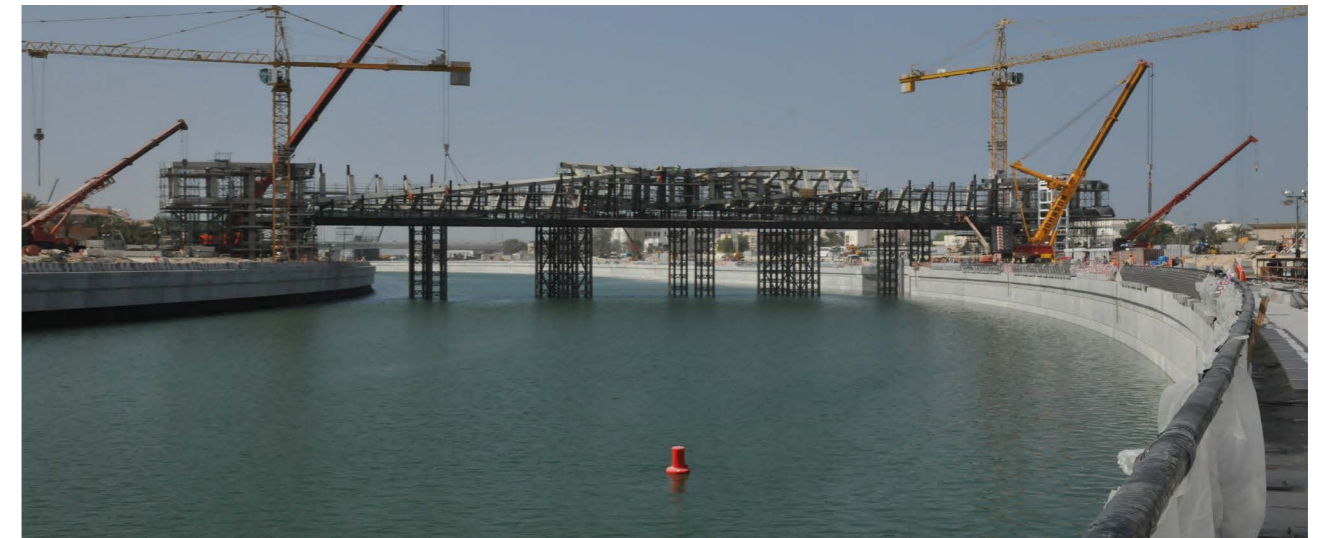
170 meters

Third footbridge crossing the Dubai Water Canal, it is a parallelepiped twisting of 180 degrees, wrapping around the internal walkway and offering a dynamic movement that accompanies those who pass through it. The footbridge is clad with a series of aluminium frames protecting from the sun from an oblique angle but allowing, when passing through, an open view towards the city skyline.

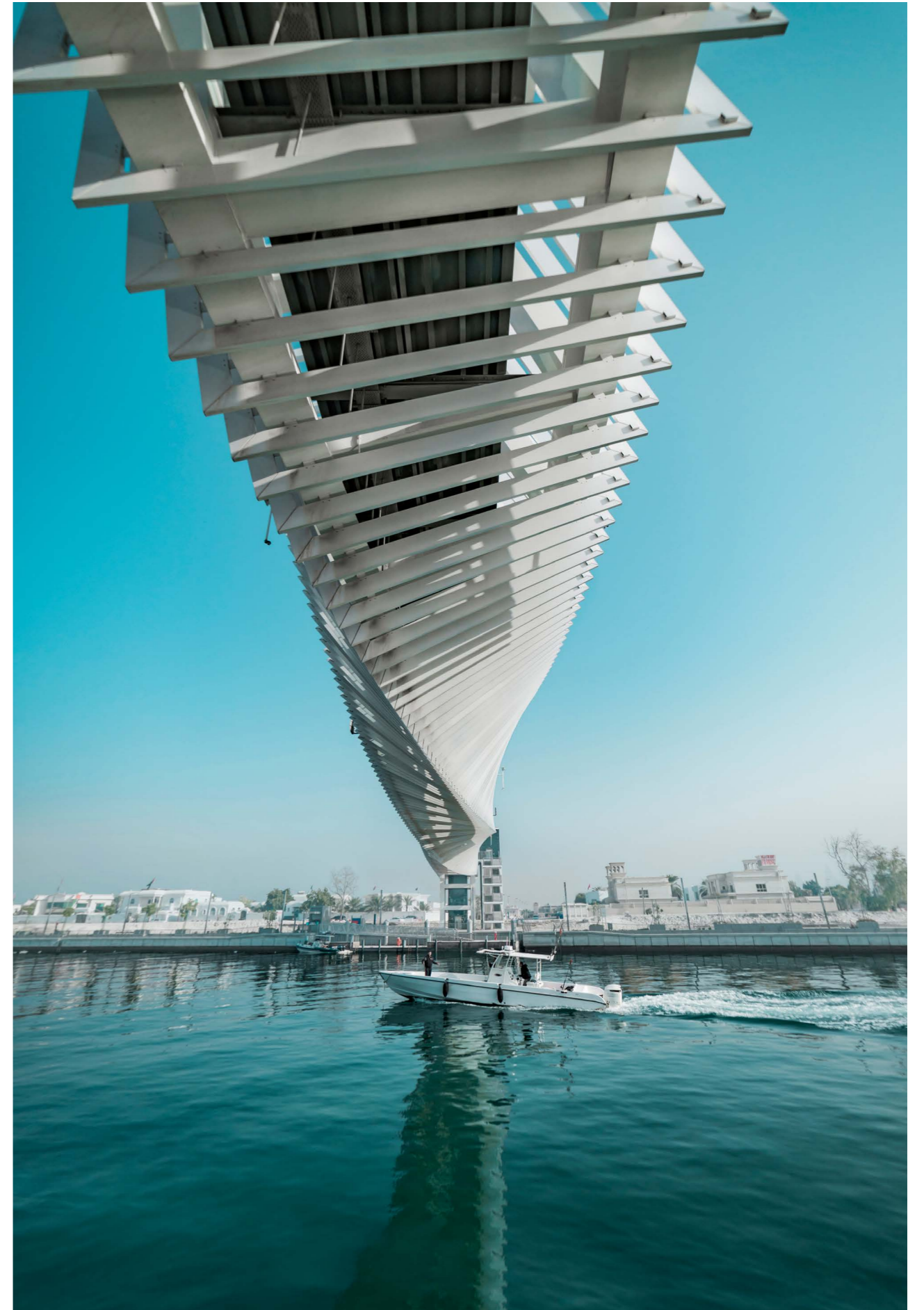
The construction phase took place during one of the most critical moments along the realization of the Dubai Water Canal, just before the flooding of the canal to achieve the inauguration date. This condition prevented the possibility to work from inside the canal and forced to complete the installation in a little more than a month: the solution

has been the installation of a temporary bridge that firstly supported preassembled elements until welding completion also ensuring a working surface to operate, which has then been removed at once. The temporary bridge has been indeed hooked to a barge that, taking advantage of the low tide, has been freed from the permanent structure and then

transported somewhere else to dismantle it separately. The footbridge measures 6.5*6.5 meters and has a total weight of 1.386 tons. It is also called Jumeirah Bridge 2, as it connects the district of Al Safa to the archaeological site of Jumeirah, one of the most important archaeological sites of the UAE with findings from the 6th century AD.









Ideas
shape
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