

# R999/1 Dubai Water Canal (UAE)



## Project description

The Dubai Water Canal is one of the ideas of his highness Sheikh Mohammed Bin Rashid Al Maktoum to add a unique tourist and commercial showpiece offering a new style of living in Dubai city. His Highness is always keen to roll out creative and cracking visionary ideas that define new concepts for peoples' happiness and welfare.

The project consists of a 3.2 km-long tourist landmark development across the Business Bay to Safa Park, Al Wasl Road, Jumeirah 2, Jumeirah Road and opens out into the Arabian Gulf. Package R999/1 – Elevating Sheikh Zayed Road involving the construction of the bridge crossing the proposed canal along Sheikh Zayed Road, modifications to IC-2, and the diversion of all required services under the canal.

## mageba scope

mageba designed and supplied 120 pcs of RESTON®POT bearings in accordance with AASHTO and with the use of advanced sliding material.

Weathering steel S355J0W (equivalent to ASTM A588) was used for all main components and guides were fully machined from a monolithic steel plate.

The maximal vertical load capacity of the largest bearing is 27'000 kN (ULS).

## Highlights & facts

### mageba products:

Type: 120 RESTON®POT bearings

Features: AASHTO design  
max. vertical load  
27'000 kN

Installation: 2016

### Structure:

City: Dubai

Country: United Arab Emirates

Type: Highway bridges

Completion: 2016

Owner: Roads and Transport Authority (RTA) Dubai

Contractor: GUNAL Construction Trading & Industry CO

Consultant: Parsons

Pedestrian bridge crossing the Dubai Canal, a 3.2 km-long tourist landmark development



Fabrication of a RESTON®POT bearing in mageba production hall



An installed RESTON®POT bearing on a bridge pier

