

Al Habtoor City (UAE)



Project description

The enterprise Habtoor Leighton Group (HLG) secured a contract worth AED 1.45 billion (USD 395 million) for the construction of the Residential Towers project as part of the landmark AED 11 billion (USD 3 billion) „Al Habtoor City“ development in Dubai.

The Al Habtoor Residential Towers are a mixed-use development located immediately adjacent to the proposed Business Bay creek extension (Dubai Water Canal). It includes 2 x 75-storey residential towers, 1 x 52-storey residential towers, 7-storey podium including basement, ground floor and five floors of retail and parking.

The construction shall become the largest integrated hotel complex in the Middle East.

The development is located in Dubai, on a prime location on Sheikh Zayed Road

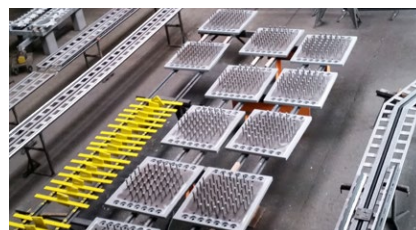


mageba scope

mageba delivered 16 RESTON®SPHERICAL bearings KF20 capable to bear 20'000 kN vertical load and 4 RESTON®SPHERICAL bearings KF24 with a vertical load capacity of 24'000 kN. These impressive vertical loads are necessitated due to a sophisticated steel truss roof structure which is directly embedded on mageba's spherical bearings. Further to the high vertical loads, the bearings can resist horizontal loads of up to 5'300 kN and allow a certain rotation on the horizontal level in order to compensate the temperature born deformation and movements of the giant steel trusses.

In line with the high mageba standard, the bearings are equipped with ROBO®SLIDE, a high performance sliding material allowing a nearly friction free rotation of the bearings rotating surface.

The bearings have been produced in mageba's production facilities and headquarters in Switzerland



Highlights & facts

mageba products:

Type: 16 RESTON®SPHERICAL bearings type KF20 and 4 of type KF24

Installation: 2015

Structure:

City: Dubai

Country: UAE

Type: Steel truss roof

Completed: 2016

Owner: Al Habtoor Group

Constructor: Cleveland Bridge & Engineering

Designer: Khatib & Alami

The bearings finished, packed and testend are ready for shipment to Dubai

