

## Bosphorus Bridge, Turkey



### Description

The Bosphorus separates the European and the Asian continent. As part of the new Northern Marmara Motorway' highway, the third bridge over the Bosphorus is realized. The world's widest bridge as combined cable-stayed suspension bridge was built by order of the Turkish government during the years 2013-2016.

Over a bridge width of 59 meters, there are 8 traffic lanes and 2 railway lines. The span of the bridge is about 1'400 meters. On both sides within the shore area of the strait, pylons of a height of 325 were erected which form the main structural system with the supporting cables.

The company Hebetec Engineering AG has lifted a total of 17 bridge elements by specially developed gantry cranes. The elements with a weight of 1,000 tons were delivered by ship pontoons in position and were lifted 80 meters approx. with mobile cranes which were fixed to the bridge support cables.



### Facts

Bridge length:	1'400	m
Bridge width:	59	m
Dimensions bridge elements:	59.00/24.00	m
Weight bridge elements:	1'000	to
Lifting distance from water surface:	80.00	m
Number of elements lifted:	17	pcs
Duaration of the liftings:	8	we

### Handling equipment

Lifting gantrys:	4	pcs
Lifting jacks HA-400:	16	pcs
Capacity per gantry:	1'600	to

