

# Danube Arena (Hungary)



## Project description

The Danube Arena is an aquatics complex located in Budapest. The facility has two full course swimming pools, a diving pool and a short course training pool. In addition, it also features several service points such as restaurants, shops, buffets, separate rooms for the press and a conference room.

The venue was hosting the 2017 World Aquatics Championships. The arena has 6,000 seats and 8,000 additional mobile seats that were designed only for the period of the Aquatics Championships. The additional seats will be removed after the event and the whole facility will be dedicated to the public for further use.

## mageba scope

To support the roof structure of the arena that weighs over 2,550 tons, mageba supplied the following products:

- Four units of RESTON®SPHERICAL spherical bearings of types KF, KE, KEq and KA treated with ROBO®SLIDE sliding material.

All bearings were designed with a maximum vertical load of 30,000 kN (ULS).

The KA type bearing has a longitudinal moving capacity of +/-200 mm and a transversal moving capacity of +/-100 mm.

The heaviest bearing weighed more than 2.3 tons.

## Highlights & facts

### mageba Products:

Type: RESTON®SPHERICAL spherical bearings of types KF, KE, KEq and KA

Feature: ROBO®SLIDE sliding material

Installed: 2015

### Structure:

City: Budapest

Country: Hungary

Built: 2015–2017

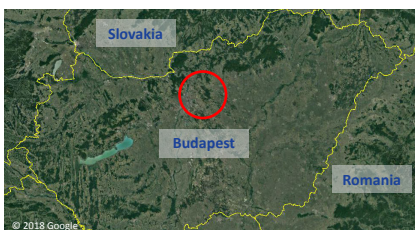
Type: Swimming Arena

Owner: Magyar Nemzeti Vagyonkezelő Zrt.

Contractor: Kész Építő és Szerelő Zrt

Engineer: Marcel Ferencz

The building is situated on the left bank of the Danube in the capital of Hungary



One of the installed RESTON®SPHERICAL bearings ready for transportation



The bearings are installed to support the roof structure of the building

