

# Luzhniki Watersports Stadium (Russia)



## Project description

The original Luzhniki Swimming Pool was built in 1957, and became an intrinsic part of the Moscow Luzhniki Olympic Sports area, having hosted 3 World-, 2 European-, 11 USSR Championships and many other events.

It was reconstructed for the 1980 Summer Olympic Games in Moscow, and then has been again put up for a complete reconstruction in 2014.

The new multifunctional building of a total area of 42'000 m<sup>2</sup> and capacity of 10'000 visitors, is done in the 1950s style to integrate in the architectural ensemble, with multiple pools (1x50 m, 2x25 m, on multiple levels), large open areas and atriums, water attraction park, equipped fitness rooms, boxing studio, children fitness center.

## mageba scope

Large transparent roof rests on a multi-axial truss structure, which creates a large open space.

The main carcass of the building is made of reinforced concrete, which takes the whole roof load through special spherical bearings with stainless calottes for improved durability in an aggressive humid environment of the watersport area.

The installation of the bearings was done in a classical steel structure sequence - attached to the trusses, and then lowered into position with subsequent mortar bedding.

The bearings and the steel roof structure were installed in 2017 by a special steel installation contractor "Stalmontazh".

## Highlights & facts

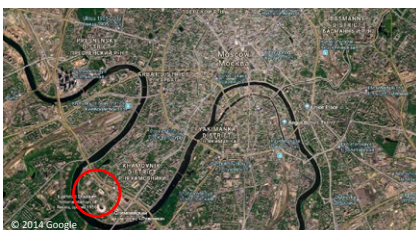
### mageba products:

Product:	RESTON®SPHERICAL SSC
Features:	Stainless Steel Calottes
Installation:	2017

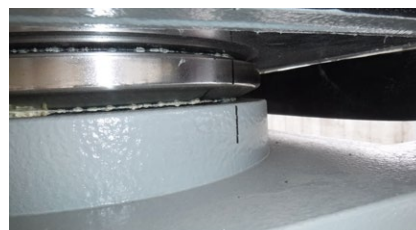
### Structure:

Location:	Moscow
Country:	Russia
Type:	Multipurpose hall for watersports
Area:	42,000 m <sup>2</sup>
Completion:	2018
Owner:	Large Olympic Centre Luzhniki
Contractor:	RD Construction
Engineer:	MosInzhProekt /Metropolis

The very heart of Moscow sports - Luzhniki Olympic Sports Park, opposite the Vorobievi Mountains and the Moscow State University



RESTON®SPHERICAL bearings with stainless steel calottes



The new Watersports Centre nearly finished in Sept. 2018

