

SKA Arena, Saint Petersburg (Russia)



Project description

The modern multifunctional sports complex “SKA Arena” is being built on the site of the Sports and Concert Complex “Petersburgsky” that was built in 1980.

The architectural appearance of the new building was designed by the Austrian architectural bureau COOP HIMMELB(L) AU in the style of traditional Russian constructivism. They designed the building in a unique style, with expressive architectural forms, and also adapted the public space to the modern needs of residents and guests of Saint Petersburg.

The area of the arena is almost 190,000 m², and the height is 53.7 m. It will be the largest hockey arena in Europe, with a capacity of 21,500 spectators during hockey matches and 23,000 spectators during concerts and other events.

mageba scope

Due to the large movements occurring during the construction stage, the required range of movement of the spherical bearings was not symmetrical. The initial design foresaw the bearings with a symmetrical range of movement, taking into account the largest value, which increased the weight and cost of the bearings. mageba studied the installation sequence and came to the conclusion that the non-symmetrical movement range can be optimally accommodated by auto-presetting the RESTON®SPHERICAL bearings through the alignment of bolt holes during the installation.

Thanks to this preset, the size and weight of the spherical bearings, and ultimately the costs have been reduced. mageba also performed an installation supervision to make sure that the work was carried out properly and in full compliance with the proposed sequence, and also made a final inspection of the positions of the bearings.

Highlights & facts

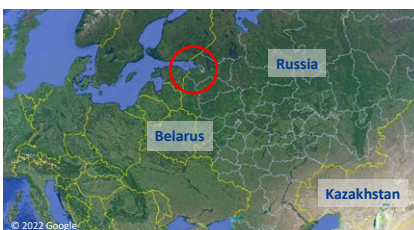
mageba products:

Type:	RESTON®SPHERICAL
Feature:	Bearings feature auto presetting
Installation:	2022

Structure:

Country:	Russia
City:	Saint Petersburg
Type:	Sport arena
Internal area:	190,000 m ²
Site area:	300,096 m ²
Completion:	2023
Owner:	Saint Petersburg Government, SKA Arena LLC
Contractor:	LLC GORKA
Architect:	COOP HIMMELB(L)AU

The SKA Arena is located in Saint Petersburg, Russia



An installed RESTON®SPHERICAL bearing



Final inspection of bearings by a mageba expert

