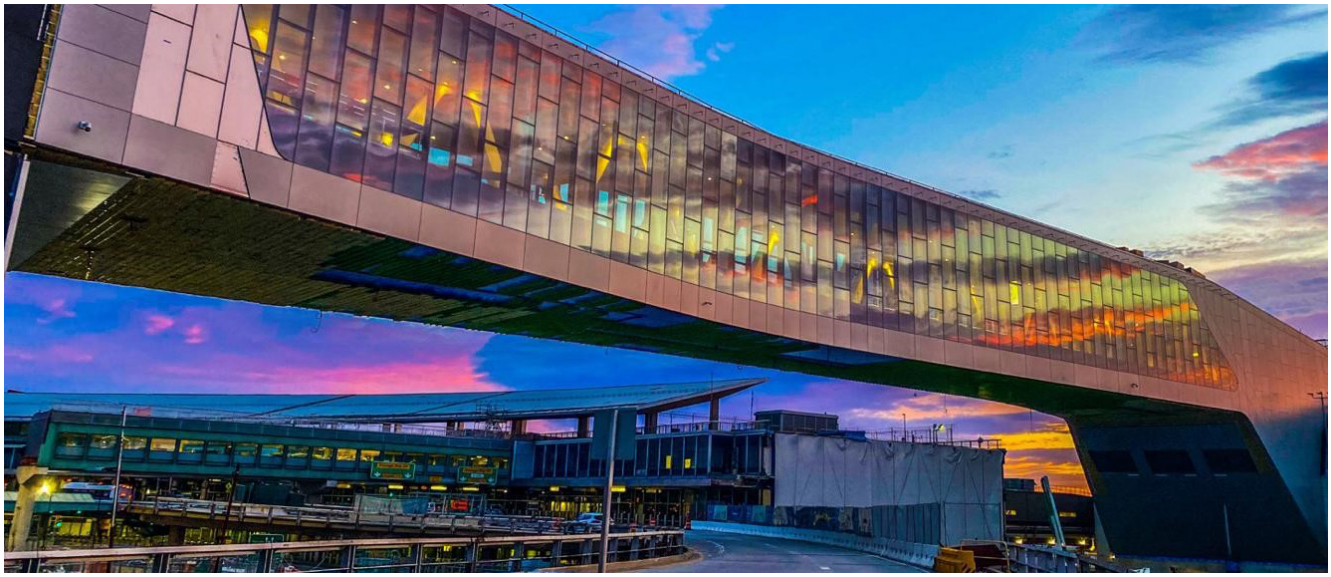
LaGuardia Pedestrian Bridge (USA)



Project description

LaGuardia is a large industrious airport located in the northernmost section of East Elmhurst, Queens in New York City. Open to the public in 1939, LaGuardia Airport is one of the busiest airports in the United States of America.

According to the Port Authority of New York and New Jersey, LaGuardia is ranked 21st in the country.

For the next few years, LaGuardia will be subject to an entire reconstruction. The project will include reorganizing the space and building a new facility 183 m (600 ft) closer to the Grand Central Parkway.

The facility will link the four terminals pushing the airport towards the highway and improving aircraft movements. The new airport will span 2.7 million square feet, with six new concourses and 72 gates. The project's estimated cost is approximately $8 billion, and it is expected that the facility will reach completion by 2022.

mageba scope

mageba RESTON®DISC bearings are uniquely defined by their Polyether-Urethane (PU) rotational elements.

The element's rotational elasticity enables tilting movements around any horizontal axis.

In this project, mageba designed and delivered 4 RESTON®DISC disc bearings for Pedestrian Bridge A of the LaGuardia Airport.

The bearings, equipped with mageba's high grade sliding material ROBO®SLIDE, are of fixed and guided (unidirectional) types, and are capable of withstanding 2,500 kips of vertical load.

The bearings are also designed to accommodate longitudinal movements during the construction period which are then locked (fixed type) with the completion of the construction.

Highlights & Facts

mageba Products:

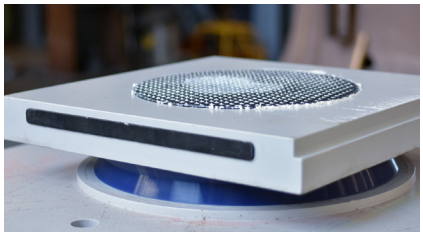
Type:	RESTON®DISC disc bearings
Feature:	ROBO®SLIDE sliding material
Installation:	2018

Structure:

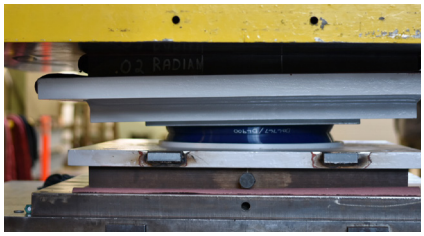
City:	New York, NY
Country:	United States
Type:	Airport
Completion:	2022
Owner:	The Port Authority of New York & New Jersey
Contractor:	Skanska/Walsh Design-Build JV
Architect:	Parsons Brinckerhoff/ HOK Design JV

The airport is situated in the New York City borough of Queens

RESTON®DISC bearing fitted with ROBO®SLIDE high grade sliding material



One of the project's RESTON®DISC bearing being load tested per AASHTO LRFD, after fabrication



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