

Sotonovo Uno Building (Ecuador)



Project description

The Sotonovo Uno building is an exclusive residential development inspired by the global housing trends, which seeks to optimize urban spaces, without losing the comfort of a traditional home.

The building overlooks to the Guayas River and its estuary, and surrounded by decorative gardens and areas for recreation such as sports fields, swimming pools and a clubhouse.

Since the building is situated in an seismically active region, its isolation was a necessary to minimize the possible future damages in an event of an earthquake.

mageba scope

The required 81 RESTON®PENDULUM DUPLO bearings were designed to suit the project's specific requirements.

Their maximum vertical load capacity is 3,630 kN, and each is able to accommodate displacements of 280 mm.

Following approval of designs by the client, the seismic isolators were manufactured in mageba's Turkish factory.

Beyond the required products, two additional units were produced for full-scale testing at the ESQUAKE laboratory in Turkey.

The seismic isolation bearings were then shipped to Guayaquil and installed to support the building's superstructure at ground level.

Highlights & Facts

mageba products:

Type: RESTON®PENDULUM DUPLO bearings
Installation: 2021

Structure:

City: Guayaquil
Country: Ecuador
Type: Residential building
Owner: Pronobis S.A.
Contractor: INMOMARIUXI C.A.

The project is located in the second largest city of Ecuador, Guayaquil



Lifting a RESTON®PENDULUM DUPLO bearing for installation to support part of the building



A bearing following installation on the lower part of a column

