

Hospital de las Higueras (Chile)



Project description

The hospital de las Higueras is located in the Biobio Region of Chile, which was one of the most affected areas of the country during the earthquake of 2010, that had a magnitude of 8.8 on the Richter scale.

Due to the devastation of the earthquake the construction of new buildings to increase healthcare coverage was necessary. The new hospital buildings were designed to be seismically isolated, in accordance with latest Chilean standards.

Thanks to the development the hospital currently comprises of 3 buildings, which also extended its capacity with more than 500 beds to provide proper healthcare services for the more than 1 million inhabitants of the region.

mageba scope

To isolate the structures from the devastating effects of future earth movements, mageba provided a total of 169 seismic isolators.

For Building A, which serves as the main building of the hospital, mageba delivered 115 isolators alone, while for Building B and C 27 isolators were installed respectively.

All isolators are able to accommodate a displacement of up to 400 mm and vertical loads of up to 9,500 kN.

Before the installation, all products were tested according to the Chilean norms and to the AASHTO standards.

Highlights & Facts

mageba Products:

Type: LASTO®HDRB high damping rubber bearing
Installation: 2019–2022

Structure:

City: Talcahuano
Country: Chile
Type: Hospital
Completion: 2022
Owner: Servicio de Salud de Talcahuano
Contractor: Moller & Perez Cotapos

The hospital is located in the port city of Talcahuano



A close view of an installed LASTO®HDRB high damping rubber bearing



A pair of LASTO®HDRB isolators as installed on site

