

Solca Hospital (Ecuador)



Project description

The Ecuadorian “Sociedad de Lucha Contra el Cancer” (SOLCA) was established in 1951 in order to treat and prevent cancer and has grown to become one of Ecuador’s most important health institutions, with facilities across the country. The society’s new hospital in Guayaquil, the country’s largest city, which is currently being constructed, has been designed to protect it from damage during earthquakes. This is being achieved by isolating the main above-ground structure from the kind of strong ground movements that might arise during an earthquake.

mageba scope

In order to isolate the above-ground structure from violent ground movements, it is supported on an array of Lead Rubber Bearings (LRB), which function as regular bearings in normal circumstances but which provide critical seismic isolation properties (damping, energy dissipation and re-centering) during an earthquake, preventing the supported building from being destroyed. For this purpose, mageba has supplied sixteen LASTO®LRB seismic isolators, each with a movement capacity of 80 mm and a vertical load capacity of 1,000 kN.

Highlights & Facts

mageba Products:

Type: LASTO®LRB seismic isolators
Installation: 2015

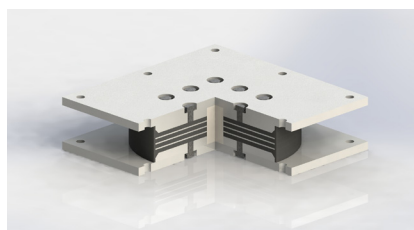
Structure:

City: Guayaquil
Country: Ecuador
Type: Hospital
Completion: 2017
Engineer: Sismica Ingenieros Consultores

This facility of the Ecuadorian Cancer Society is located in Guayaquil, Ecuador’s largest city



Rendering (cut-out view) of a LASTO®LRB seismic isolator as designed for the SOLCA hospital



Precise installation of LASTO®LRB seismic isolator is an important element for the proper functioning of the system

