

# Edificio de Ciencias – EAFIT (Colombia)



## Project description

The newly built, “Edificio de Ciencias” of EAFIT University in Medellín, Colombia, is the first isolated structure of its kind in the city.

This eight-floor building has 13,600 m<sup>2</sup> of surface dedicated to research, development and innovation of different academic fields.

Due to the seismic activity of the region the building required the latest engineering solution in terms of seismic devices, isolation and protection based on data gained in a seismic microzonation study. mageba acted as a solution provider for the isolation system.

## mageba scope

mageba supplied 12 LASTO®LRB lead rubber bearings. All of them feature anchor plates in order to ease future replacement and maintenance procedures.

The isolators were designed to accommodate 25,000 kN of vertical loads and ±200 mm of seismic movement.

## Highlights & Facts

### mageba Products:

Type: LASTO®LRB seismic isolators

Installation: 2019

### Structure:

City: Medellín

Country: Colombia

Type: Educational Building

Owner: Universidad EAFIT

Contractor: Arquitectura y Concreto

Engineer: Esdac / efe-Prima-ce

Architect: Estudio Transversal Arquitectura

The new building is located in Medellín, the second largest city of Colombia



Installation of a LASTO®LRB featuring anchor plates



LASTO®LRB under laboratory testing

