

Taipei City United Hospital, Heping Branch (Taiwan, China)



Project description

Taipei City Hospital was formed by the merger of ten municipal hospitals into one unit, making it the largest healthcare organization in the city of 2.6 million residents and the whole of northern Taiwan.

One of the ten original units, now known as Taipei City Hospital – Heping Branch, was subjected to renovation works in 2013–2014, with the emergency ward building structurally strengthened to improve its ability to withstand an earthquake and thus remain in service when it is needed most.

mageba scope

RESTON®SA shock absorbers (viscous dampers) were selected to provide the required damping and energy dissipation, greatly improving the building's chances of surviving a major earthquake.

40 of the units, designed for forces of 500 kN and movements of +/- 70 mm, were supplied by mageba and installed on the building's façades, held in place by specially added steelwork.

Prototype testing was carried out at Taiwan's National Center for Research on Earthquake Engineering (NCREE) in Taipei, while factory production control testing was carried out by SismaLab of Italy.

Highlights & Facts

mageba Products:

Type:	RESTON®SA shock absorbers
Force:	500 kN
Stroke:	+/- 70 mm
Testing:	At NCREE, Taiwan and SismaLab, Italy
Installation:	2013–2014

Structure:

City:	Taipei
Country:	Taiwan, China
Type:	Hospital building
Renovated:	2013–2014

The hospital building is located in Taipei, capital of Taiwan



Two of the forty RESTON®SA shock absorbers installed on the façade of the building



Close-up view of a RESTON®SA shock absorber, as installed

