

# Car Park P6 Zurich Airport (Switzerland)



## Project description

Along with the project 'The Circle', which has the purpose to establish Zurich Airport as a service destination from 2018 on, the parking area had to be optimised and adjusted to the passenger increase expected in the next years. Therefore, the car parks P40 and P45 were dismantled and replaced by the expansion of car park P6 to the south.

The new car park features 12 floors and parking levels hence now offering sufficient space for 1,300 additional cars. The floors are accessible via a central spindle.

## mageba scope

In order to meet the requirements in terms of seismic protection, the expansion features space of approximately 43 m to the existing building.

mageba was chosen to find a solution for a suitable passage construction. Besides seismic protection, adequate load and movement capacity had to be assured. mageba hence developed the special joint TENSA®SEISMIC RS-Fuse. 66 units of a total length of 450.5 m as well as steel cover plates of a total length of 2,013 m were delivered and installed. Thanks to mageba's long-term experience in the infrastructure and building sector, the entire order processing to the point of installation was reliably carried out from one source and on schedule.

## Highlights & Facts

### mageba products:

|               |  |
|---------------|--|
| Type:         | TENSA®SEISMIC special joint RS-Fuse            |
| Features:     | seismic isolation with movements of +/- 300 mm |
| Installation: | 2013–2016                                      |

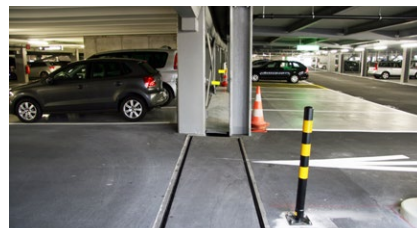
### Structure:

|               |                                       |
|---------------|---------------------------------------|
| City:         | Zurich                                |
| Country:      | Switzerland                           |
| Type:         | Steel-concrete-compound construction  |
| Construction: | 2013                                  |
| Owner:        | Flughafen Zürich AG                   |
| Architect:    | Stutz + Bolt + Partner Architekten AG |

Zurich Airport annually manages over 25 million passengers and is classified as Switzerland's logistic intersection



The installed joints assure seismic isolation as well as load and movement capacity



Principle of a joint for seismic protection, pictured by means of a drawing

