

Underground parking, Place de la Résistance, Esch-sur-Alzette (LUX)

project **construction of an underground parking, featuring five levels with a capacity for 502 parking spaces** client **Community of Esch-sur-Alzette (LUX)** planning services **WW+ project management, tender documents, assistance for awarding, PPP process** partner: conception, civil engineering **Schroeder & Associés, Luxembourg (LUX)** technical engineering **Goblet Lavandier&Associés, Luxembourg (LUX)** general contractor **Lux TP, Sandweiler (LUX)** aerial photograph **Stadt Esch-sur-Alzette (LUX)** total gross costs **20.240.000 €** start of planning **03/2007** realisation **05/2008 - 11/2010**

The parking underneath Place de la Résistance exhibits a classic rectangular geometry, measuring 62 metres by 58 metres with cut angles and has a capacity for 502 spaces. The external wall consists of 292 secant piles.

Operating principles

Access to and exit from the parking occurs via a ramp measuring 7 metres in width, from Rue Pasteur, which leads on to Boulevard Prince Henri. The two-lane entry ramp is reduced to one lane to enable a fast entry into the parking. The exit ramp features just one lane. The structure features five identical levels. Access to the various levels is gained by ramps.

Accessibility of vehicles and pedestrians

The pedestrian exits, two in total, are easy to find and distributed symmetrically within the structure. Pedestrian access is ensured by two stairwells and lift shafts which are accessible for people with reduced mobility. There is a direct access for pedestrians from level -2 of the parking to the theatre.

