

CAR PARK 2015/1



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The Parking Experts

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Renovation of car park „Alleegarage“ in Weiden i.d.O.

Scope of delivered works

The „Alleegarage“ car park was built in 1987 using the cut and cover method. As previously no surface protection coating was used, it is clear to see considerable damaged was caused by chlorides contained within de-icing salts.

Under the present restoration, the park deck was partly demolished above the 2nd basement level, whilst preserving the structural framework and was reinstated according to the current Eurocode 2 regulations.

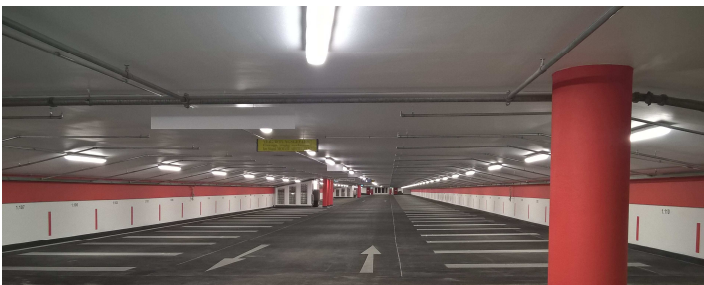
A waterproof liquid sealant was applied to the surface and a final covering of mastic asphalt thereto.

The substrate concrete base received an epoxy resin surface protection layer of class OS8.

Additionally the restoration project also incorporated an increase in the size of the car parking spaces to a width of 2.50 m, new energy saving LED lighting installed, new sprinkler system and the construction of a roof over the exit and entrance ramps.



High pressure water jets were employed to remove the concrete containing chloride (Photo: AMP)



Parking Level 1 after renovation (Photo: AMP)



Parking Level 2 after renovation (Photo: AMP)



The citizens of Weiden are informed of progress (Photo: Oberpfalznetz.de)

Client:

Weidener Gesellschaft für Stadtentwicklung und Immobilienbetreuung mbH

Planning services AMP:

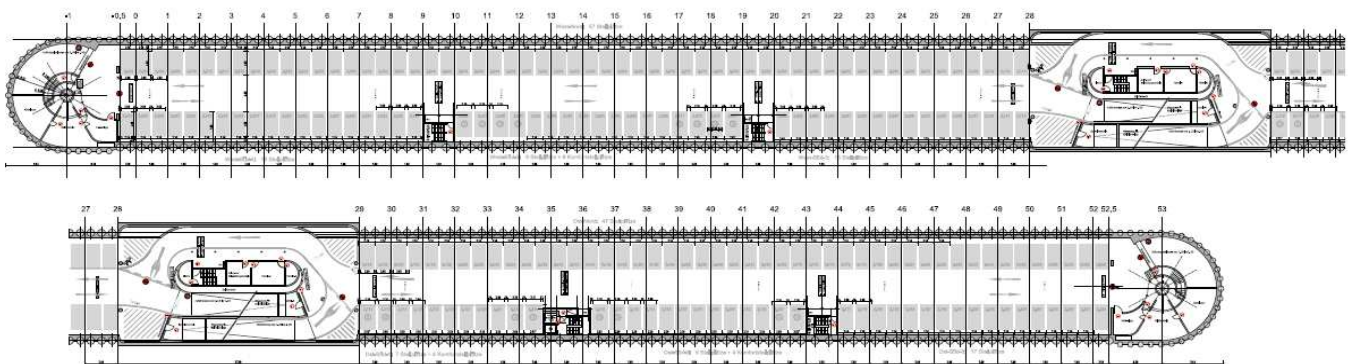
Project and structural planning services for underground car park.

Building contractor:

Scharnagl Hoch- und Tiefbau GmbH

Car park information:

Number of parking bays :	392
Parking bay width:	2,50 m
Angle of parking bays:	90 °
Structural grid:	16,00 m / 5,00
Year of build:	1987
Beginning of renovation :	Mai 2015
Opening date:	November 2015



Footprint 2nd Basement