



Gran Via Capital, Gran Via 48, Madrid

Investor	VALMARCASA CONSTRUCTORES-PROMOTORES S. L., La Coruña
Architect	LA HOZ ARQUITECTURA S. L., Madrid
Supply WÖHR	3 x WÖHR Parksafe 583 and 2 Parksafe Systems 582 for 320 parking places

Compactly urbanised cities require smart parking solutions

Approximately 3.2 million people live in Spain's capital city. Day in, day out, residents struggle through Madrid's downtown traffic. On their way to work, people crowd through the streets and narrow alleys in search of a free parking place. The parking search traffic is therefore not only strenuous and time-consuming - it also wields a considerable impact on the environment.

The residents of the property at number 48 on the Gran Via boulevard can however consider themselves very lucky. In the course of the renovation works performed, renowned architect Rafael de la Hoz together with the project developers and proprietors VALMARCASA took every possible amenity into consideration, including an appropriately comfortable underground garage.

Here very exclusive apartments have been constructed on the former premises of a bank. Detached from the hectic everyday city life, the owners of the 97 luxury apartments avail of a number of wellness options, e.g. a sauna, rooftop terraces equipped with Jacuzzis, a pool and to top it off, the breath-taking views of the Madrid skyline.

It was clear from the outset that the need for an increased number of parking spaces could only be resolved with the provision of an intelligent and diverse parking solution. Otto Wöhr GmbH was directly involved right from the project planning take off phase and thus had the opportunity of constructing one of Spain's most innovative parking systems featuring a total of 320 parking places. The Parksafe 582 / 583 systems represent an optimal solution for long and very narrow building volumes, offering the maximum number of parking places in the narrowest of spaces.



The innovative parking system is located directly under the building positioned along the Gran Via Capital boulevard. The system entrance is accessed through one of the side streets, opposite to the Cine Capitol facilities. The traffic flow on the main boulevard is therefore not affected in any way.



A separate driving lane is provided for entering and for exiting the system. Right before transiting through the entrance barrier, the user is notified exactly which one of the five car transfer stations has to be accessed directly. As soon as the barrier opens up, thanks to cleverly automated parking guidance systems the driver comfortably reaches the designated transfer area. Seamless parking operations are thus ensured at all times.



The car transfer section is equipped with a monitor, which displays whether the vehicle has been correctly positioned. The vehicle height, width and length are monitored to make sure that the vehicle dimensions are compliant with the system configuration parameters. As soon as all the data has been verified, the driver is prompted via the monitor and can climb out of the vehicle.

The car transfer areas are bright and friendly and contrarily to conventional parking places, automatic car parking systems provide the driver with enough free space to hold the car door wide open and to climb comfortably out of the car. Once outside of the car transfer area, the user swipes an RFID chip to confirm the parking process and the cabin door slides shut.

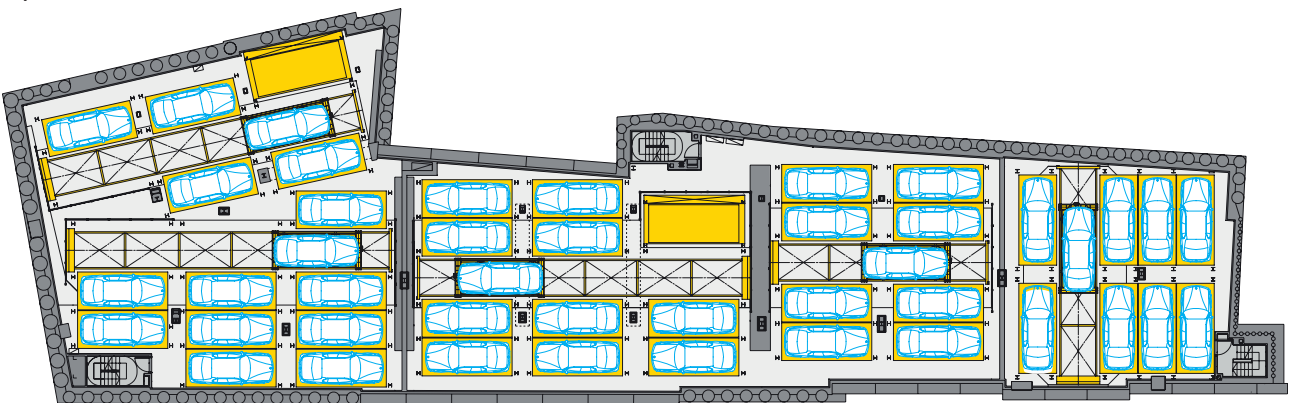


Due to the complex building circumstances, two of the systems have been additionally equipped with a lateral vertical lift which can also be reached effortlessly by the car transfer areas for car parking and retrieval operations. Car parking operations are thus performed dynamically, whereby the empty stacking position found closest to the car transfer area is occupied first.



Should the User wish to retrieve a vehicle, the request can be entered immediately from the waiting area. Here a monitor displays the order in which the cabins delivering the cars are retrieved. The user can safely expect very quick access times amounting to an average of 2.5 minutes.

Top view



3 x WÖHR Parksafe 583
2 x WÖHR Parksafe 582

Area Parking ca. 9.12 m²
Area per parking place ca. 2,9 m²
Volume parking ca. 15.000 m³

Volume per parking place ca. 47 m³
Min. Access time ca. 111 s
Max. Access time ca. 322 s

Average Access Time ca. 168 s
Parking capacity ca. 93 cars per hour

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We compact parking space

