“El Edificio Longoria” Madrid, Spain
Calle Manuel Gonzalez Longoria, 10

**Fully Automated Car Parking System**

Construction year: 2018
Employer: Fernandez Molina Obras Y Servicios, S.L.
Supplier: Parkolay

The “El Edificio Longoria 10” building, located in the center of Madrid, is a new housing project built under the most strict criteria of quality and sustainability. The design of this underground solution includes a Cantilaver Lift in Entrance-Exit Room transporting the vehicles to the Parkule 100 Lift travelling in a depth of 20 m with a speed of 0.5 m/s. The solution also includes a Turntable during transfer process that allows an easy entry and exit to the transfer area, without many maneuvering skills from the Users. This parking facility can welcome up to 40 vehicles (80% SUV). Thanks to the World’s fastest pallet transfer mechanism developed in-house, the retrieval time is minimal as such that 33% of the total parking capacity can be evacuated with in maximum one hour.

Capacity: 40 Car Parking Spaces
Model: Parkule 100
Application: Residential Building, Permanent User

EN 14010 Safety of machinery - Equipment for power driven parking of motor vehicles
Safety and EMC requirements for design, manufacturing, erection and commissioning stages
“El Edificio Longoria” Madrid, Spain
Calle Manuel Gonzalez Longoria, 10

Technical Specifications

- Construction year: 2018
- Number of parking spaces: 40
- Number of parking floors: 8
- Parking floor area: 87 m²
- Parking area length: 6.95 m
- Parking area width: 13.10 m
- Parking system height: 21.80 m
- Parking system structure volume: 1870 m³
- Construction volume per parking space: 46.7 m³

Access Times (Approx.)

- Shortest parking time: 165 sec.
- Longest parking time: 350 sec.
- Average parking time: 257 sec.
- Number of simultaneous parking operations: 1

Vehicle dimensions (Maximum)

- Length: 5.25 m
- Width: 2.10 m
- Height: 1.60 m (58 Parking Spaces)
  2.00 m (17 Parking Spaces)
- Weight: 2.5 t

System Type: Fully automated car parking system
Model: Parkule 100 and Cantilever Lift
Technology: Automatic Transfer Mechanism and Turntable