

Alsancak, İzmir City

Fully Automated Public Parking System



Construction year : **2014**

Employer : **İzmir Metropolitan Municipality**

Main Contractor : **Parkolay**

Capacity : **280 cars**

System : **Parkule 144, 4 systems**

Structure : **Steel structure**

CAPACITY <> OPERATION

- Building footprint area: -only- A = 543 m²
 - Building height: H = 25.40 m
- Number of parking floors: 11 above ground
 - Entry-Exit & Lobby: Ground floor
 - Total parking capacity: 280
- Construction volume per parking space: 54 m³

- Minimum personnel requirements
- Ventilation and lighting savings (No exhaust gas formation, no people inside the parking lot)
- High insurance availability thanks to high safety level
- Energy cost of only € 4 (euro cent) per parking operation
- Ticketing system with license plate recognition
- Security cameras and tele diagnosis over the Internet

PERFORMANCE <> COMFORT

- 4 simultaneous parking operations, 4 independent systems
 - Entry-Exit rooms with turntables, 4 Entry-Exit rooms
 - Shortest parking time: 90 sec.
 - Longest parking time: 200 sec.
- Number of consecutive parking operations in one hour: 96
 - Pallet transfer speed < 10 sec.

- Ease of finding parking space exactly at the desired location without having to drive in heavy city traffic.
- Suitable for the use of disabled people, easy parking at the large entry room.
- Parking without manoeuvring difficulties and without using inconvenient ramps and corridors for getting to/exiting from the parking floors and for parking.
- Safe and secure parking away from risks such as theft, accidents, etc.

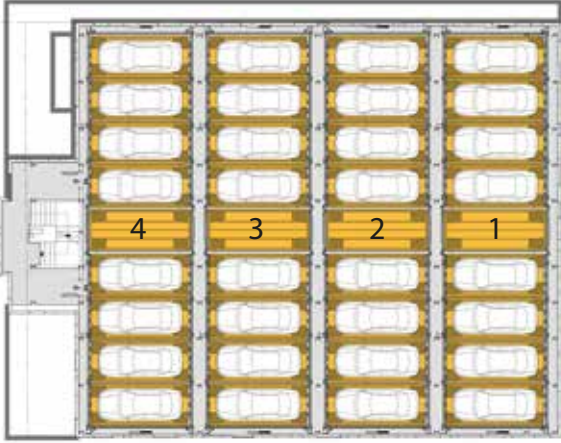
STANDARDS <> SAFETY

- EN 14010 - CE Certificate (CE: "European Conformity")
- 2006/42/EC Machinery Directive

EN 14010 Safety of machinery - Equipment for power driven parking of motor vehicles

- Safety and EMC requirements for design, manufacturing, erection and commissioning stages





280 cars can park on a footprint area of 543 m², extending to a height of 25.4 m. 4 sets of **Parkule 144** Fully Automated Parking Systems were used. At the ground floor, there are 4 entry-exit rooms, each with a turntable and a large lobby.

Fully Automated Public Parking System

Alsancak, İzmir, Turkey

Technical Specifications

Construction year	: 2014
Number of parking spaces	: 280
Number of parking floors	: 11
Parking floor area	: 550 m ²
Parking area length	: 25.50 m
Parking area width	: 21.30 m
Parking system height	: 25.40 m
Parking system depth	: 2.50 m
Parking system structure volume	: 15.154 m ³
Construction volume per parking space	: 54 m ³

Access Times (Approx.)

Times for consecutive parking operations in Automatic Operation mode:

(Time of vehicle delivery by driver is assumed as 45 sec.)

Shortest parking time	: 95 sec.
Longest parking time	: 200 sec.
Average parking time	: 135 sec.
Number of simultaneous parking operations	: 4

Vehicle dimensions (Maximum)

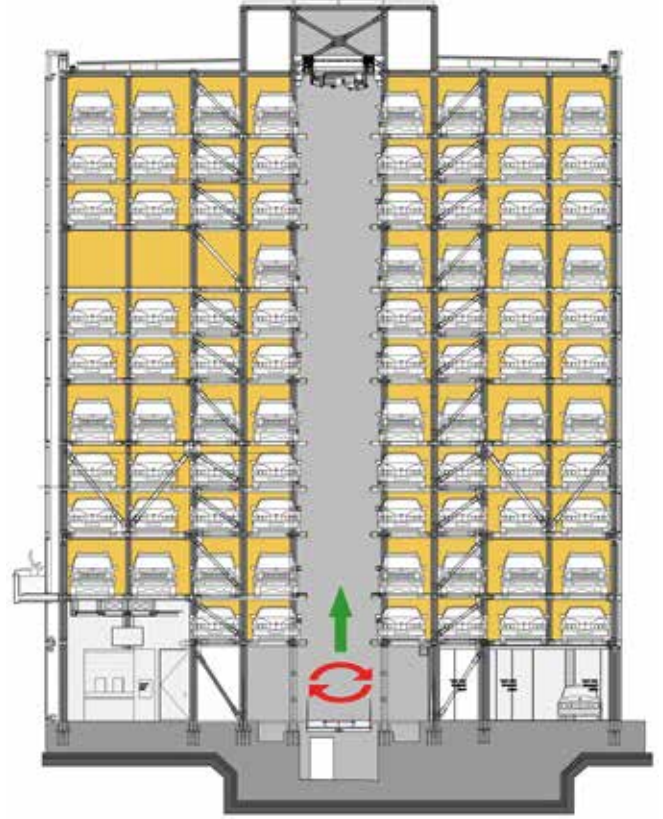
Length	: 5.25 m
Width	: 2.30 m
Height	: 1.60 m (188 Parking Spaces)
	: 2.00 m (92 Parking Spaces)
Weight	: 2.5 t

System Type: Fully automated parking system

Model : **Parkule 144**

Technology : Dynamic position-controlled lift, quick transfer pallet conveyor system

Software : PCS 1.2



*(Options that suit different vehicle dimensions and construction conditions are available.)

Standart : TS EN 14010

