Alsancak, Izmir 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**
- 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

**PERFORMANCE**
- 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.

**OPERATION**
- 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

**STANDARDS**
- EN 14010 - CE Certificate (CE: "European Conformity")

**SAFETY**
- EN 14010 Safety of machinery - Equipment for power driven parking of motor vehicles  
  - Safety and EMC requirements for design, manufacturing, erection and commissioning stages

**COMFORT**
- 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.
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 m²  
- **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 m³  
- **Construction volume per parking space**: 54 m³

**Access Times** *(Approx.)*

- **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

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