

İstanbul, Beyoğlu, Sütlüce,

Arçelik A.Ş. Headquarters

Fully Automated Parking System



Construction year : **2017**
Employer : **Arçelik A.Ş.**
Main Contractor : **Parkolay**

Capacity : **44 cars**
System : **Parkule 144 , 2 systems**
Structure : **Freestanding steel structure**

CAPACITY

- Building footprint area: -only- A = 251 m²
 - Building elevation: H = 10,50 m
- Number of parking floors: 4 above ground
 - Entry-Exit & Lobby: Ground floor
 - Total parking capacity: 52
- Construction volume per parking space: 51 m³

PERFORMANCE

- 2 simultaneous parking operations, 2 independent systems
 - Entry-Exit rooms with turntables, 2 Entry-Exit rooms
 - Shortest parking time: 30 sec.
 - Longest parking time: 120 sec.
 - Tandem parking number in hour: 44

STANDARDS

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

OPERATION

- Operation without personnel.
- Ventilation and lighting savings
(No exhaust gas formation, no people inside the parking space)
- High insurance availability thanks to high safety level
- Energy cost of only € 4 (euro cent) per parking operation
- Ticketing system with license plate recognition
- Remote access over the internet.

COMFORT

- Assigned special parking space for office personnel.
- Parking without vale.
- 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.

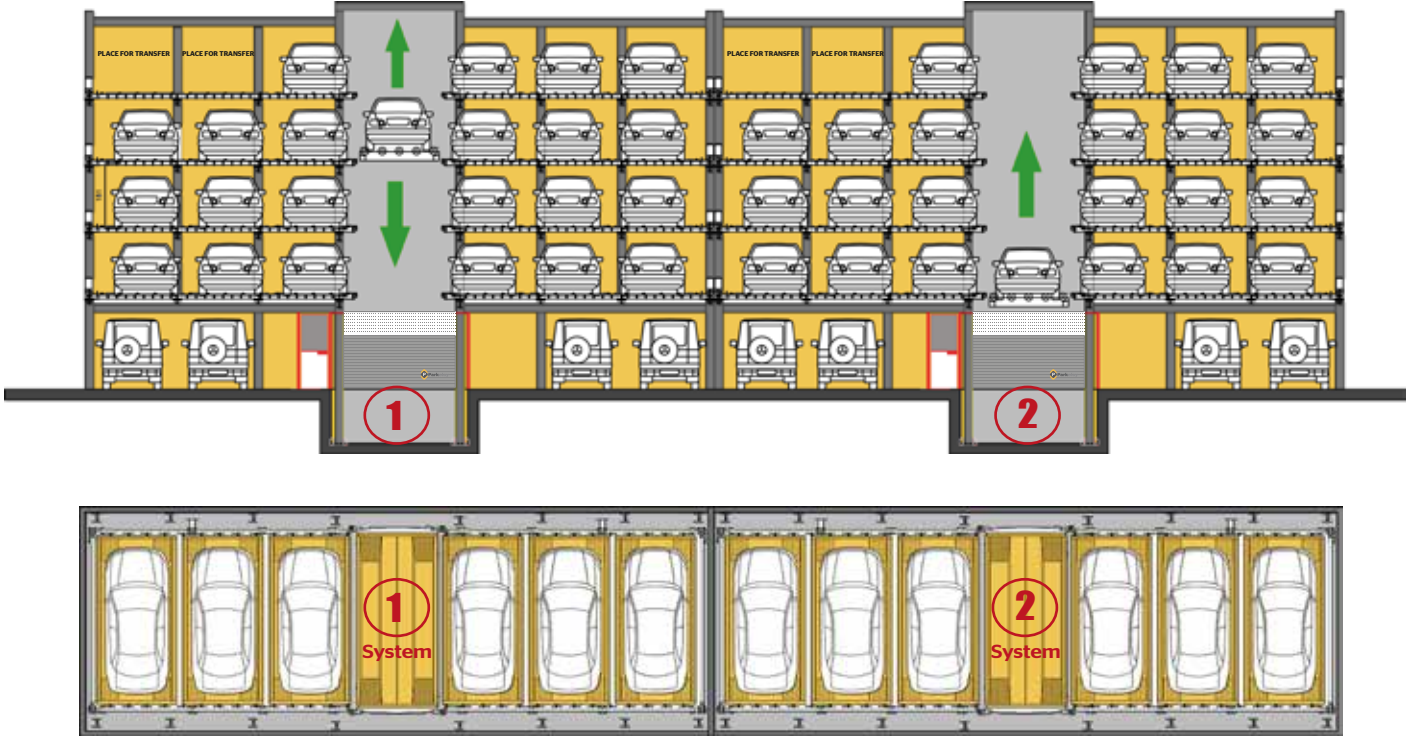
SAFETY

- 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





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

Arçelik A.Ş. , Fully Automated Parking System

Technical Specifications

Construction year	: 2017
Number of parking spaces	: 44
Number of parking floors	: 4
Parking floor area	: 251 m ²
Parking area length	: 34.50 m
Parking area width	: 7.00 m
Parking system height	: 10.50 m
Parking system depth	: 1.50 m
Parking system structure volume	: 2635 m ³
Construction volume per parking space:	51 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 car delivery time	: 75 sec.
Longest car delivery time	: 165 sec.
Average parking time	: 90 sec.
Number of simultaneous parking operations	: 2

◆ In a parking area of 251m² with a height of 10,50m, a total of 52 vehicles can be parked using 2 sets of **Parkule 144** systems, Parkolay's Fully automated car-parking technology.

The capacity includes 44 places within the automated system and 8 conventional parking spaces. On the ground floor, 2 entrance/exit rooms can be found.

Vehicle dimensions (Maximum)

Length	: 5.20 m
Width	: 2.20 m
Height	: 1.75 m (44 Parking Spaces)
	: 2.00 m (8 Parking Spaces)
Weight	: 2.5 t

System Type: Fully Automated Parking System

Model : **Parkule 144**

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

Software : PCS 3.0

Standart : TS EN 14010

