Istanbul, Beyoğlu, Sültüce,
Arçelik A.Ş. Headquarters
Fully Automated Parking System

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

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

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**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
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.

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

Arçelik A.Ş., Fully Automated Parking System

**Technical Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction year</td>
<td>2017</td>
</tr>
<tr>
<td>Number of parking spaces</td>
<td>44</td>
</tr>
<tr>
<td>Number of parking floors</td>
<td>4</td>
</tr>
<tr>
<td>Parking floor area</td>
<td>251 m²</td>
</tr>
<tr>
<td>Parking area length</td>
<td>34.50 m</td>
</tr>
<tr>
<td>Parking area width</td>
<td>7.00 m</td>
</tr>
<tr>
<td>Parking system height</td>
<td>10.50 m</td>
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<tr>
<td>Parking system depth</td>
<td>1.50 m</td>
</tr>
<tr>
<td>Parking system structure volume</td>
<td>2635 m³</td>
</tr>
<tr>
<td>Construction volume per parking space</td>
<td>51 m³</td>
</tr>
</tbody>
</table>

**Access Times** (Approx.)

- Shortest car delivery time: 75 sec.
- Longest car delivery time: 165 sec.
- Average parking time: 90 sec.
- Number of simultaneous parking operations: 2

**Vehicle dimensions** (Maximum)

- Length: 5.20 m
- Width: 2.20 m
- Height: 1.75 m (44 Parking Spaces)
- Weight: 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