

Al-Boustan Multi-Storey Car Park & Commercial Centre

Client

Al-Boustan Commercial Centre Company

Scope of Work

Preliminary design
Tender documents
Tender action
Construction management
Construction supervision

Location

Cairo, Egypt

Types of Activities

Architectural
Civil
Communications & security systems
Electrical
HVAC
Mechanical
Roads
Structural

A pilot project in the privatization scheme of Cairo Governorate includes financing, design, construction and operation for 25 years of a car park with a total built-up area of 40,700 m². The 11-storey building occupies a total area of about 3,700 m².

The ground, first, one third of the second, third and fourth floors are used as commercial areas with about 6,800 m². The other parts of the second, third and fourth floors up to the eighth floor offer parking space for 934 cars. The ninth and tenth floors are used as office space with a total built-up area of about 6,000m². The commercial areas of the building are centrally

air-conditioned and equipped with sophisticated communication and safety systems. The car park is monitored by a closed circuit T.V. and is equipped with billing and space control systems. A standby diesel generator set is installed to supply emergency power.

The building foundation system is composed of 350 bored piles, reinforced concrete footings, tie beams and retaining walls. The superstructure consists of cast-in-situ columns, precast composite slabs, precast pre-stressed pre-tensioned beams (16 m span, 50 cm deep) and reinforced concrete circular ramps.

