

# Fire Station No. 6 at Ras Laffan

## Client

Qatar Petroleum

## Scope of Work

Geotechnical survey  
Environmental impact assessment  
Concept design  
Preliminary design  
Detailed design  
Tender documents

## Location

Doha, Qatar

## Types of Activities

Architectural  
Civil works  
Communications and security systems  
Electrical  
HVAC  
Interior design  
Landscape  
Mechanical  
Roads  
Structural

The project aimed at providing a fast and effective firefighting response in the West Side Service Area of Ras Laffan. With a gross floor area of 2,600 m<sup>2</sup> and a plot area of approximately 18,700 m<sup>2</sup>, the facility includes truck bays for 12 trucks, dormitories, a training room, dining room, kitchen, fitness room, toilets, and other service rooms. The fire station is located in the northern part of the project site in order to

- ease the access of fire trucks;
- segregate the main entrance from the truck exit; and
- reserve an area at the back of the fire station for a drill tower and fire truck maneuvers for training purpose, as well as a parking area (44 parking slots) for the day-shift crew and for visitors.

The two-floor concrete structure is designed to accommodate parking slots for fire trucks at the ground floor bay, with a direct exit to the main road. Services

are grouped in one area at the right side of the bay. Meanwhile, the fire brigade facilities are located at the left side of the ground floor. The area designated for day-shift and administration staff is at the left side of the first level.

The drill tower is a six-story structure mainly used by the fire brigade for training purposes. It is easily accessed by vehicles, in such a way that allows for maneuvering through all four sides. It is also equipped with ladders, suitable anchor points for rope rescue training, and a hauling rig to lift rescue training dummies.

