

# Qatar Education City People-Mover System

## Client

WSP Middle East, Siemens Tram Consortium, and Grimshaw Architects

## Scope of Work

Design review  
Submission to authorities for building permits

## Location

Qatar

## Types of Activities

Architectural  
Civil  
Structural

A consortium comprising Leighton Contracting Qatar WLL, Siemens WLL Doha, and Siemens AG has been awarded a US\$412 million contract to develop a People-Mover System (PMS) for Qatar Foundation's Education City campus at the west of Doha.

The project, which is set to be the first PMS in Qatar, represents a precursor of the country's US\$35 billion investment in rail infrastructure over the next 10 years, as part of the 2022 FIFA World Cup Infrastructure Program.

The energy-saving PMS, which utilizes battery-powered trams, is designed to reduce the flow of traffic within Qatar Education City. It will allow students to travel free of charge to their destination within the city. A fleet of 19 trams will operate on an 11 km-long route, with a capacity of 3,300 passengers/hour in each direction. Trams will operate at four-minute intervals in both directions on the busiest sections of the network.

Siemens Tram Consortium has awarded building design services to WSP Middle East and Grimshaw Architects. As a third-party consultant, ECG will serve as Architect of Record and Engineer of Record for the following components of the project:

- 18 tram stops with single-sided and/or double-sided kiosks as waiting areas for students, employees, and visitors, along with a shaded open space (canopy) for each tram stop
- Siemens underground technical rooms, 8 substations, and a 500 meter-long tunnel
- 17 buildings serving the PMS, with a total built-up area of 10,540 m<sup>2</sup>. The buildings include administrative offices, main service stations, panel beaters' workshops, control rooms, and main communication systems
- Electrical service buildings, including MV switchgear for TSS 1-5 and TSS 6-8 feeding the railway and tram stops, with a view to complying with the standards of Qatar General Electricity & Water Corporation (KAHRAMAA)

