

[Light Rail](#)

LRTC Consortium completes Lusail LRT phase 1

Nov 13, 2020

Written by

[David Burroughs](#)

THE LRTC Consortium has completed phase 1 of the turnkey Light Rail Transit (LRT) project in Lusail, a planned city currently under construction near Doha, Qatar.



The first phase includes 9.7km of single-track catenary system, a depot and an interchange with Doha metro red line, a depot and

Covering 35km, Lusail is expected to eventually have a full network of over 37km with 28 stations.

Qatar Railways Company awarded [the LRTC consortium](#) which comprises Alstom (40%) and QDVC (60%), a Qatar Development Investment Company and 49% by Vinci Construction

and an underground line. The line has 16 stations, an

the full Lusail light rail network will have three lines

the turnkey light rail system. The consortium works which is held 51% by Qatari Diar Real Estate



Alstom's share of the contract is worth €750m and includes rolling stock, catenary and catenary-free technology (APS), signalling and platform screen doors.

The 28 five-car Citadis low floor LRVs supplied by Alstom can operate with both catenary and APS, with capacity for 209 passengers, and are equipped with a full electrical braking system and LED lighting. Both the vehicles and stations are equipped with passenger information and security systems.

The APS system uses 11m segments set into the track bed to supply current to vehicles, which automatically switch on and off depending on whether an LRV is passing over them.

The LRTC consortium awarded Thales a contract in 2015 to deliver an integrated supervision, telecommunications, security and automatic fare collection system for the network.

Categories:

Tags: In 2016 Qatar Rail awarded a Riyals 151.6m (\$US 41.6m) project management contract to a joint venture of Astad, Hill International, and Italferr. Atkins carried out preliminary design work for the project.

×

In December 2017, Qatar Rail awarded RKH Qitarat, a joint venture of RATP Dev, Keolis and Hamad Group, a 20-year contract to operate and maintain the four-line Lusail light rail network as well as the three-line Doha metro network. =