

Lusail Tramway enters commercial service

Alstom supplies Qatar's first catenary-free tramway

10 January 2022 – Alstom's first tramway in Qatar entered commercial service. With a network length of 28km, this is the largest tramway system project in the Gulf region which also includes 7 km underground. The new transportation system will serve Lusail, a new city located north of Doha, by providing an environmentally friendly mobility option for residents. It has 25 stations within Lusail and connects to the Doha Metro.

The network is operational with 28 Citadis X05 new generation trams which have a capacity of 209 passengers each.

In 2014, Alstom, as part of LRTC Consortium¹ along with QDVC, was awarded a contract by Qatar Railways Company to supply a turnkey tramway system that is catenary-free above ground.

KEY TAKEAWAYS

- An integrated tramway system
- 28 km-long
- 28 Citadis trams
- 19 km of APS (ground power supply)
- Alstom Urbalis 400 CBTC
- 4 lines
- 25 stations

"As Qatar welcomes the World Cup this year, we are proud to deliver the first catenary-free tramway in the country and a system that will provide efficiency, availability, and easier maintenance. Alstom is committed to Qatar's economic growth and development, and will continue to support the National Vision 2030, through the enhancement of infrastructure and the supply of sustainable solutions such as the Lusail Tramway," says Tamer Salama, Managing Director of Qatar and UAE at Alstom.

Alstom's role in the consortium was to provide the design, manufacturing and commissioning of 28 Citadis trams, track works including hardscaping, power supply equipment (Bulk and TPS substations, catenary and APS), and Urbalis 400 CBTC signaling as well as platform screen doors. The Citadis X05 model offers innovative options in terms of dimensions and configurations. The vehicle is 98% recyclable.

Each Lusail 32-m long tram is composed of five modules per single unit. The design and colour are inspired by the traditional Qatari boat, the Dhow, on the side of the rolling stock, we also note a pearl - historical symbol in Qatar. The vehicles are fully low floor to enable easier access for all passengers. The Lusail tramway turnkey system offers passengers a high level of comfort, and it includes passenger information and security systems both at station level and on-board. The trams are eco-friendly and equipped with a full electrical braking system and LED lighting.

¹ LRTC Consortium composed of Alstom and QDVC, a Qatari shareholding company in charge of civil works (51 % Qatari Diar Real Estate Investment Company & 49% VINCI Construction Grands Projets)

Several Alstom sites were involved in the project including Aix-en-Provence, Le Creusot, La Rochelle, Ornans, Tarbes and Villeurbanne in France and Barcelona in Spain. More than 3,000 vehicles of the Citadis range have been sold in 60 cities worldwide. Citadis trams have covered over 1 billion kilometres and transported nearly 10 billion passengers since the first tram entered service in 2000. Along with Lusail, Citadis X05 has been sold in cities such as Sydney, Paris, Nice, Avignon, Caen, Athens, Frankfurt, Cologne and Casablanca.

With over 50 years' experience and 80 systems in commercial service worldwide, Alstom is a trusted partner to deliver integrated turnkey rail systems customised for every mobility need.

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About Alstom

Leading societies to a low carbon future, Alstom develops and markets mobility solutions that provide the sustainable foundations for the future of transportation. Alstom's product portfolio ranges from high-speed trains, metros, monorail and trams to integrated systems, customised services, infrastructure, signalling and digital mobility solutions. Alstom has 150,000 vehicles in commercial service worldwide. With Bombardier Transportation joining Alstom on January 29, 2021, the enlarged Group's combined proforma revenue amounts to €14 billion for the 12-month period ended March 31, 2021. Headquartered in France, Alstom is now present in 70 countries and employs more than 70,000 people. www.alstom.com.

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