

Beat: Technology

## Alstom and Qatar Rail Unveil the Citadis tram design Lusail

### Will run on the 4 lines of the tram

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**USPA NEWS** - Qatar Rail and Alstom unveiled the design of the Lusail Citadis tramway that will run on the 4 lines of the tram network. The design of the Lusail light rail, the front face is like the bow of a ship, inspired by Dhows, typical ships in the region.

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The design of the Lusail light rail, the front face is like the bow of a ship, inspired by Dhows, typical ships in the region. Blue tones of the tram also evoke the sea, inviting travelers to embark on board for a refreshing break away from the heat of Qatar. The interior design includes architectural elements of the area, with touches of yellow flower reminiscent of Lusail.

Abdulla Al Subaie, CEO of Qatar Rail comments: "For all our projects, manufacturing and design phases are influenced by tradition and modernity. Strongly rooted in the culture and heritage of Qatar, Lusail design of the famous tram convergence in the history of our country with revolutionary technologies and state of the art solutions. We create a consistent customer experience built around the needs and values "of the local community. "

"There are currently over 1800 Citadis in circulation worldwide. Each tram has a specific design and is customized to reflect the image and culture of the city. We are very pleased with our partnership with Qatar Railways which has allowed us to create a unique design that will appeal definitely for travelers and residents of Lusail "said Gian Luca Erbacci, Senior Vice President of Alstom Middle East & Africa.

Alstom, as a member of a consortium (1), was selected in June 2014 by Qatar Railways for integrated tram system contract. The contract includes engineering, construction, testing and commissioning of 4 tram lines, which will span 38 km (including 10 km underground) and include 30 stations. Alstom Citadis trams also provides the power equipment (substations, catenary and APS), signaling and track (2).

### THE LUSAIL CITADIS TRAMWAY IS A ELCTRIC HIGH-TECH TRAIN-----

Citadis tramway Lusail measuring 33 meters long by one unit (3) and can accommodate 207 passengers in "standard" class and "family." It can be coupled so as to double its capacity. The tram is equipped with the latest technologies, such as permanent magnet motors that reduce energy consumption. The tram Lusail will be powered by APS (4) (a technology proven for 12 years that allows catenary-free operation) on all lines of the same level. The solution, which works in harsh weather conditions without loss of performance, preserves the aesthetics of city centers.

With over 17 integrated solutions tram project, Alstom is the world leader in this field. Alstom is currently managing the construction of 7 built tramway systems, particularly in Cuenca (Ecuador), Rio (Brazil), Sydney (Australia) as well as other projects in Algeria.

ALSTOM SITES IN FRANCE ARE INVOLVED IN THE TRAMWAY PROJECT IN LUSAIL----- La Rochelle for the design and manufacture of the first tram 5 (5), Le Creusot the bogies, Ornans for engines, Tarbes for the drive system, the chains traction equipment and Villeurbanne for onboard electronic systems and passenger information, Valenciennes for the interior design and Saint-Ouen for the tram design.

(1) A consortium comprising Alstom and QDVC, a Qatari company shares charge of civil works (51% and 49% Qatari Diar VINCI Construction Grands Projets) (2) Link to the press release announcing the contract (3) the unit consists of 5 cars (4) power supply system on the ground (5) other trams will be produced in Barcelona, Spain. Source Alstom-----

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