



Present for a century in Morocco, Alstom is proud of its deep roots in the evolution of the Kingdom’s railway network. Alstom delivered the first **Citadis trams** to Rabat and Casablanca in 2011 (**190** delivered to date), **77 prima locomotives** and **12 Avelia Euroduplex** trains for the first Very High-Speed Line in Africa in 2018. Alstom is also an active player in maintenance and signaling, providing services, parts, repairs & overhauls. Today, **1,310 linear rail kilometers** are equipped with **Alstom signaling solutions**. With a team of local experts, Alstom Morocco has positioned the country as a globally competitive industrial base.

“Africa’s 1<sup>st</sup> high speed train, Al-Boraq takes you from Casablanca to Tangiers in 2 hours”

## DID YOU KNOW?

- Alstom is constantly working to enhance the environmental benefits of its solutions, for example by deploying its eco-design policy. Alstom’s solutions are not only designed to be recyclable. In this respect, all Alstom trains operating in Morocco have a recyclability rate of over 95%.

## KEY FIGURES

950

EMPLOYEES

Including 52% women

9

SITES

2

INDUSTRIAL PLANTS\*

\*One of which will be completed in 2024



## THE IMPACT OF MOBILITY SOLUTIONS FOR MOROCCAN CITIZENS

The products and services provided by Alstom have a considerable impact on the day to day lives of residents. These solutions were selected by our customers to transform the way people move around the country and are an integral part of the modernization of the country's rail networks.

The number of passengers carried by the National Office of Railways (ONCF) reached 34.4 million people in 2021, compared to 21.1 million a year earlier.

### Key products and services Alstom provided include:



#### VERY HIGH SPEED TRAINS

12 "Avelia Euroduplex" trains: The Moroccan railway operator ONCF chose Alstom's Avelia Euroduplex to provide modern, comfortable, and high-quality service for the first very high-speed line in Africa linking Tangier to Casablanca in just 2h10 compared to 4h45 with the previous line. The line served 3 million passengers in its first year of operation alone (2018), and this number remained high at 2,4 million in 2021 despite the COVID-19 pandemic.



#### TRAMWAYS

190 "Citadis" Tramway for Rabat & Casablanca: since 2011, Alstom's Citadis is the reference for modern urban mobility and is at the center of multiple city renewal projects. About 100,000 passengers in Rabat/Salé and 220,000 in Casablanca use Alstom Citadis trams every day. 87 additional Trams will be delivered to Casablanca by 2023.



#### LOCOMOTIVES

77 Prima locomotives: ONCF chose Alstom Prima locomotives for its modular platform designed to provide operators the most flexible solutions for freight, passenger and mixed services. Operational since 2010, these locomotives covered over 8 million kilometers on the Moroccan railway network in 2021 alone. Morocco averages about 24.5 million tons of goods handled by rail each year. Freight activity has registered an average increase of 27% per year in the last 4 years.



## FEZ INDUSTRIAL PLANT

### FEZ SITES

Alstom owns two production sites in Fez that produce cabling, Mitrac™ transformers and bolt-on cabs, which are used in rolling stock delivered to customers around the world. The sites in Fez are an important part of Alstom's global supply chain and equip over 20 projects a year. The plants are ISO 9001 (International standard for Quality Management system) and ISO 14001 (International standard for Environment Management) certified.

### THE CABLING PLANT

The cabling plant is 1 of the only 2 Alstom owned cabling facilities in the world. The site used to be to the largest textile company in the country and was abandoned in the 90's. Alstom renovated the site completely and reinvigorated the Sidi Brahim Neighborhood.

Alstom aims at limiting the environmental impact of its operations in Morocco and worldwide. Our site in Fez is a prime example of this commitment. Alstom took an abandoned textile factory in the middle of the city of Fez and renovated to become a state-of-the-art ISO 14001 certified site. The company is looking to reduce its energy consumption, waste, and carbon footprint throughout the facility. Some of the initiatives in place include:



190 SOLAR PANNELS INSTALLED



ENERGY EFFICIENT LED LIGHTS EVERYWHERE



82% INDUSTRIAL WASTE RECOVERY RATE



CONSERVATION AND REPLANTING OF ANCIENT PALM TREES



SMART LIGHTING MANAGEMENT SYSTEM



CREATION OF VEGETABLE GARDENS AND PLANTED FRUIT TREES



ECOLOGICAL PAINT



ENERGY EFFICIENT COMPRESSORS



100% OF AUTO-STOP TAPS

“ By 2025, Alstom Morocco will have 50% of its electricity consumption come from renewable energy produced on-site ”

# COMMUNITY ENGAGEMENT



Alstom is always looking at ways to engage with the communities we operate in. We do this through thoughtful investments both locally and through Alstom Foundation, employee engagement and partnerships with non-profit organizations. In Morocco, we focus on social needs such as workforce development, skills training, and women empowerment programs.

## COMMUNITY PROGRAMS

Established in November 2007, the Alstom Foundation aims at supporting initiatives that improve the living conditions and economic possibilities of communities around Alstom's facilities. Alstom employees collaborate with local or international Non-Profit Organizations who have a track record of successfully implementing initiatives on the ground.



Economic and social development



Environmental protection



Access to mobility



Access to energy and water

**€349,934**  
GRANTED  
FOR INITIATIVES  
IN MOROCCO SINCE  
2016

**6% SHARE**  
OF ALSTOM  
FOUNDATION FUNDING  
WENT TO MOROCCO  
IN FY2021/2022

**21,299**  
BENEFICIARIES  
SINCE APRIL 2016

## EMPLOYEE VOLUNTEERING

In FY2021-2022, Alstom Morocco has pursued several social initiatives, in which our own employees have participated, both during their working time and in their free time.

**50+**  
ALSTOM MOROCCO  
STAFF INVOLVED IN  
FY2021/2022

**1,091**  
PERSON HOURS  
DEDICATED  
SINCE 2018

We continue to look for ways to support Moroccan organizations focused on:



Health



Education



Social needs

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[www.alstom.com](http://www.alstom.com)