

With Healthier Mobility™, Alstom places innovation at the service of healthier mobility in transport worldwide

In response to COVID-19, the world leader in sustainable mobility, Alstom, is putting its expertise in innovation to good use by working with Bureau Veritas to ensure a healthier transport environment worldwide

30 November 2020 – The unprecedented health crisis encountered since the beginning of 2020 has created new challenges for public transport and mobility all over the world. Aspects of health protection and new obligations in terms of hygiene have become the central concerns of travel for everyone. Today, these changes require transport systems to be equipped with antibacterial and virucidal solutions that are lasting and effective without putting the health of the users at risk.

Alstom Healthier Mobility™, an initiative developed by a group of Alstom experts

In an initiative that began several years before the crisis, the team of Alstom experts pooled their key resources and skills in all technical fields with a view to providing innovative solutions for hygiene, health and safety.

In response to the unprecedented situation caused by the pandemic and to ensure passenger safety, the experts concentrated on developing solutions that would:

- combat Covid-19, specifically related to the propagation mechanisms of micro-organisms,
- be long-lasting
- not put people's health at risk
- cater to the specific constraints of rail transport

Link to the Healthier Mobility™ website: <https://www.alstom.com/healthier-mobility>

Link to the [presentation video](#) of the five categories by Véronique Andriès, director of eco-conception and spokeswoman for the group of experts at Alstom.

Alstom has forged scientific partnerships with internationally renowned organisations and institutions. This approach allows Alstom to provide a complete, validated set of solutions to all its customers.

Alstom Healthier Mobility™, an initiative confirmed by its partner Bureau Veritas

In order to validate and test the scientific effectiveness of its solutions, Alstom has entered into a major partnership with Bureau Veritas, the world leader in tests, inspection and certification.

Cooperation with a common goal.

Nathalie Gaillard, VP Sales & Marketing at Bureau Veritas France explains: *"The role of Bureau Veritas is to verify and confirm the effectiveness of the solutions proposed by Alstom, in order to limit the risks and improve performances for the benefit of all. Our best experts in the field have invested in this innovative project, which responds to a real consumer issue in the current context. We are very proud to be Alstom's partner and to be a part of its Healthier Mobility™ initiative."*

"We have developed innovative solutions to ensure the use of public transport in safe conditions, to protect passengers and to restore their confidence. In addition, we have associated ourselves with the expertise of Bureau Veritas to reinforce the validation of our solutions and demonstrate their virucidal ability to deactivate or destroy viruses, micro-organisms and polluting agents. This partnership enables us to act in an effective way, as well as to serve the mobility of tomorrow," explains Véronique Andriès.

Alstom Healthier Mobility™, an initiative backed by a portfolio of effective, scientifically validated solutions

Alstom's Healthier Mobility™ portfolio of solutions, consisting of solutions for immediate implementation or under development, has been specifically developed to destroy viruses, including Covid-19, while limiting their impact on the environment and on passenger health and guaranteeing the reliability and durability of rail material.

These solutions have been divided into five domains, in connection with the mode of transmission of the virus:

- Cleaning and disinfection
- Contact surfaces
- Air treatment and ventilation
- Contactless solutions and passenger flow
- Referential

An example of implementation: Alstom Mastria, a solution from the Alstom Healthier Mobility™ portfolio, which has been tried and tested in the Panama metro

In response to the constraints linked to the health crisis, this technology is used to ensure that train occupancy never exceeds 40% of maximum capacity, as recommended by the country's health authorities.

Mastria uses artificial intelligence (AI) to provide operators and transport authorities with improved tools for managing passenger flow, enabling them to adapt their transport offer in real time to the various requirements of social distancing and to manage large flows of people.

For more information:

<https://www.alstom.com/press-releases-news/2020/6/alstom-offers-artificial-intelligence-solution-ensure-passenger>

About Alstom Leading the way to greener and smarter mobility worldwide, Alstom develops and markets integrated systems that provide the sustainable foundations for the future of transportation. Alstom offers a complete range of equipment and services, from high-speed trains, metros, trams and e-buses to integrated systems, customised services, infrastructure, signalling and digital mobility solutions. Alstom recorded sales of €8.2 billion and booked orders of €9.9 billion in the 2019/20 fiscal year. Headquartered in France, Alstom is present in over 60 countries and employs 38,900 people.

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