

press release



Paris, 7 June 2019

THE ILE-DE-FRANCE REGION, RATP AND SUEZ GROUP LAUNCH “IP’AIR”, AN INNOVATIVE AIR TREATMENT SOLUTION, AT ALEXANDRE DUMAS UNDERGROUND STATION IN PARIS (LINE 2)

As part of the call for projects “Innovons pour l’air de nos stations” (Innovating to improve the air in our stations) launched by the Ile-de-France region in 2018, Valérie Péresse, President of Ile-de-France Mobilités and the Ile-de-France region, Catherine Guillouard, Chief Executive Officer of RATP, and Marie-Ange Debon, Senior Executive Vice President in charge of France, Italy and Eastern and Central Europe at SUEZ Group, officially launched “IP’AIR”, an innovative air treatment solution tested by SUEZ, in partnership with RATP, in the Parisian underground station Alexandre Dumas (Line 2).

Because air quality is the region’s top priority for environment and health, and as part of its “Changeons d’air” (Let’s change our air) policy adopted in 2016, Ile-de-France region has introduced a unique support mechanism for projects that aim to improve air quality in public transport underground areas, called “Innovons pour l’air de nos stations”.

Valérie Péresse, President of the Ile-de-France region: *“Improving air quality in the public transport system is a key factor in our fight against pollution in Ile-de-France. I am proud that our “Changeons d’air” policy will offer local residents innovative solutions to reduce pollution in our train and underground stations.”*



This policy aims to support projects that offer ways to improve air quality in Ile-de-France’s public transport in the long term. The goal is to provide innovative purifying solutions that capture airborne particles using devices placed on station platforms. A call for projects, managed by the region in partnership with IDFM, RATP, SNCF and AirParif, and with a budget of €1 million, was launched in March 2018. **The “IP’AIR” solution offered by SUEZ Group was selected for testing in Alexandre Dumas underground station on line 2.**

The “IP’AIR” solution offered by SUEZ will focus on treating fine particles (PM10 and PM2.5) emitted by brake systems in underground stations. The six-month test, which began on 3 June 2019, will assess the solution’s filtration capacity and range.

SUEZ

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Catherine Guillaouard, Chief Executive Officer of RATP Group: *“RATP considers the air quality of its locations as a key importance. With our strong focus on technological improvements, we are delighted to test this innovative device offered by SUEZ and with the support of the Ile-de-France region.”*

This test is part of a set of actions taken by RATP to improve air quality in its underground stations:

- **Highly meticulous and transparent monitoring by RATP:** for almost 20 years, RATP has been constantly measuring air quality in representative locations in its underground locations. The monitoring network is made of three measurement stations: Franklin D. Roosevelt Line 1, Châtelet Line 4 and Auber RER A. In April 2018, RATP introduced real-time consultation of air quality data for these three measurement stations.
- **Rolling out electric brake systems on its new trains,** to reduce particle emissions at source.
- **Improving air exchange in its underground areas:** a €56 million investment programme for ventilation covering the 2016-2020 period.

A pioneering solution for the Paris underground

The “IP’AIR” solution treats air using a positive ionization process. This technology is based on an innovative electrostatic filtration process: a small electric charge is injected into the fine particles which are then attracted, like a magnet, to collection plates. The technical solution is able to treat a large quantity of air (7,500 m³/h) using the same amount of electricity as a bread toaster.

SUEZ will also manage characterisation studies and explore possible recovery channels for the particles collected.

Marie-Ange Debon, Senior Executive Vice President in charge of France, Italy and Eastern and Central Europe at SUEZ Group: *“Faced with the environmental challenge of air quality, SUEZ supports local authorities and industries by offering innovative air treatment solutions designed for different environments (industrial, urban, underground, etc.). The Group is proud to have been selected for this call for projects. This experiment will help to improve quality of life for the region’s inhabitants. At the end of this pilot, the Group will be ready to offer the device to public services and inhabitants of French and international metropolises, also concerned by air quality.”*

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About RATP Group

With sixteen million journeys every day across the planet, RATP Group is one of the leading urban transport operators in the world. The Group operates in fourteen countries on four continents through its RATP Dev subsidiary and each day runs eight modes of transport: metros, urban and inter-city bus services, tramways, rail, sightseeing, cable cars, maritime shuttle services and transport on demand. The Group is also present across the entire spectrum of new mobility services in partnership with four other modes (electric scooters, car-sharing, car-pooling and driverless shuttle services). As a widely-hailed expert in infrastructure management and engineering, the Group also fields a broad range of urban services through its subsidiaries in real estate management and engineering, operating retail facilities, fibre-optic technologies, customized passenger information and innovative ticketing solutions. RATP has been running one of the densest multimodal networks in the world for over seventy years in Paris and around the French capital. Thanks to its 63,000 staff members RATP Group designs, implements and runs mobility solutions and innovative services each day for sustainable and more human towns and cities

About SUEZ

With 90 000 people on the five continents, SUEZ is a world leader in smart and sustainable resource management. We provide water and waste management solutions that enable cities and industries optimize their resource management and strengthen their environmental and economic performances, in line with regulatory standards. To meet increasing demands to overcome resource quality and scarcity challenges, SUEZ is fully engaged in the resource revolution. With the full potential of digital technologies and innovative solutions, the Group recovers 17 million tons of waste a year, produces 3.9 million tons of secondary raw materials and 7 TWh of local renewable energy. It also secures water resources, delivering wastewater treatment services to 58 million people and reusing 882 million m³ of wastewater. SUEZ generated total revenues of 17.3 billion euros in 2018.

Find out more about the SUEZ Group
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