

A year and a half after its start, Re-Breath is focusing its efforts on developing more sustainable bus brake systems aiming to improve air quality.

## Developing a new system - Brembo:

Brembo is tackling the challenges of reducing emissions in heavy-duty vehicle braking systems. To address this, it's working on a methodology to test brakes on dynamometric benches, to have as much information available as possible to replicate realistic scenarios.

## Measurement campaigns - CNR:

The CNR - National Council of Research conducted initial measurements on buses with conventional brakes, followed by a second campaign on buses with the new brakes. The CNR will continue analyzing data until December 2024.



## New Green areas - Municipality of Bergamo:

The Municipality of Bergamo has created new green areas near bus stops to improve aesthetics and air quality.

## Dissemination:

An awareness campaign was launched in early 2024 on local transport company ATB's social media channels and buses in Bergamo. The consortium also organized an event in Rome to share project results and objectives ("Brake System Green Innovation: sustainable urban mobility and air quality," January 30, 2024).

## Participation in events:

The project actively participates in events like the Transport Research Arena and EuroBrake to promote brake technology and sustainability.

## Installation on buses - Arriva Slovakia and Arriva Italy:

The first set of new brakes developed by Brembo has been installed on Arriva buses in Bergamo and Bratislava to measure emissions and wear. Strategic routes were selected for measurement campaigns starting from summer 2023.



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