



Reducing your  
electricity  
consumption



# FreshAir®

Smart management  
of external Air for HVAC

Universal HVAC energy  
management from the n°1 railway  
HVAC supplier

FreshAir® is the optimization of the external air introduced in the car adjusted to the real air quality and with a view to optimize the energy consumption, both in the heating & cooling modes.

- Railway compliant hardware
- Optimized & tailored Software (respect of MTBF for servo motor)

- Proven experience & results in commercial operation
- A to Z support, from savings consulting to multi year performance/result driven contract.



## CUSTOMER BENEFITS:

- + **Energy saving up to 30%**  
HVAC consumption reduction
- + **Component life extended**  
due to less use of the components
- + **Compatible with all existing HVAC**  
easier on ours, possible on competitor's
- + **Short R.O.I.**  
( < 2 years)

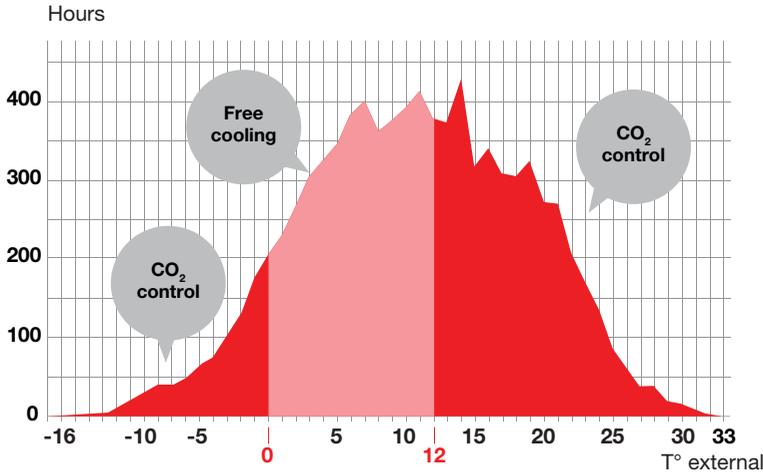
# FreshAir®

## CO<sub>2</sub> REGULATION

Allows a stable internal air quality (PPMCO<sub>2</sub>) through the modulation of the external Airflow, instead of a pre-defined value and a CO<sub>2</sub> concentration related to the passenger load.

## FREE COOLING

Possible smart cooling mode when the external temperature is lower than the internal one. During high passenger load and solar radiation periods, bringing cooler air from outside is an efficient comfort feature.



### FreshAir® is:

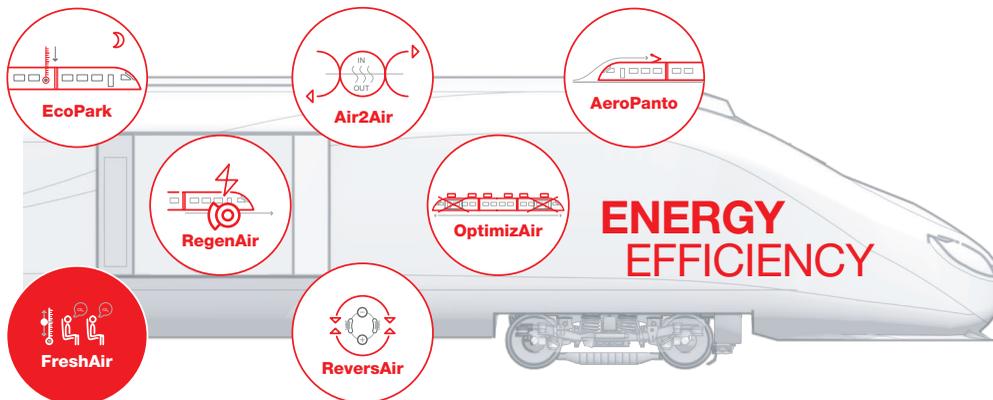
- More efficient than passenger counting or weight signal (more precise, directly comfort oriented, not related to passenger and luggage weight or doors opening automatic compensation).
- Secure (sensor autocalibration, data monitoring control)
- Combinable with other solutions as EcoPark® to boost the overall performances

## THE ENERGY EFFICIENCY APPROACH BY FAIVELEY TRANSPORT

A range of solutions is available to help optimize your fleet's electricity consumption, and respond to your operational demands - FreshAir® is just one of them!

We support you in the implementation of a comprehensive approach, beginning with the identification and analysis of data regarding your assets (type and number of trains, HVAC configuration...), your network (tunnels, location, sub stations...), and your field operations (time slots, filing rates...).

Based on this data, our experts can provide advice on technical solutions that will allow you to reach an optimal level of energy efficiency, while committing to the achievement of this shared performance objective. Finally, once in operation (from testing to deployment), we assist you in the evaluation and monitoring of your energy savings.



To discover everything **FreshAir®** can do, and have more information about all our Energy Efficiency solutions, please contact us at:

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