

# CLIMATE DECLARATION FOR MILAN METRO LEONARDO HEAVY RAIL VEHICLE

Functional unit: transport of 1 passenger for 1 km

The climate declaration shows the emissions of greenhouse gases, expressed as CO<sub>2</sub>-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025.

## Information about the product

Metro Leonardo is an HRV (Heavy Rail Vehicle) urban metro designed for transport passengers. Metro Leonardo consists of six car bodies with five articulations. The traction is supplied by sixteen electric engines, coupled on eight of the twelve bogies; the other four trucks are only trailers.



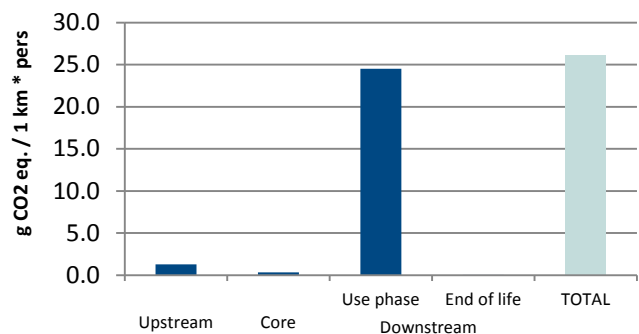
## Information about the company

Hitachi Rail Italy, created by the evolution of AnsaldoBreda which is the most important Italian brand with more than 160 years of history in the rail and metro sector, has a wide range of products, ranging from high speed to driverless metros.

Today Hitachi Rail Italy is organized in three Italian plants: Napoli, Pistoia and Reggio Calabria. Furthermore, it can rely on some operating plants abroad, achieving an overall number of about 2,400 employees.

## Climate declaration

The figure below shows the calculated emissions of greenhouses gases over the life cycle of the product, presented in carbon dioxide equivalents using Global Warming Potential 100 years.



## Other environmental impacts

This Climate declaration only addresses one impact category and does not assess other potential social, economic and environmental impacts arising from the provision of this product. These aspects may be of equal or greater importance than the impact category displayed.

## Contact information

Hitachi Rail Italy  
Via Ciliegiole 110 b, 51100 - Pistoia (PT)  
Italy

Tel +39 0573 3701

Fax + 39 0573 370616

E-mail: [Davide.Bonaffini@hitachirail.com](mailto:Davide.Bonaffini@hitachirail.com)

Web: [www.hitachirail.com](http://www.hitachirail.com)



EPD PROGRAMME: THE INTERNATIONAL EPD®SYSTEM		REGISTRATION NO: S-P-00836	VALIDITY: 2020-01-15
PCR: 2009:05 V 2.11	UN CPC: 495	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: EXTERNAL VERIFIER: ADRIANA DEL BORGH		ACCREDITED / APPROVED BY: THE INTERNATIONAL EPD® SYSTEM	
LINK TO MORE INFORMATION: <a href="http://environdec.com/en/detail/EPD836">HTTP://ENVIRONDEC.COM/EN/DETAIL/EPD836</a>			
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			