

# CLIMATE DECLARATION FOR ETR1000 TRAIN

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

ETR 1000 is a “very high speed” train for passengers’ transport, EMU (Electric Multiple Units) type, designed and produced in collaboration with Bombardier Transportation to improve the link between greater cities.

The train consists of eight car bodies with seven articulations. The traction is supplied by sixteen electric engines, coupled on eight of the sixteen bogies; other trucks are only trailers.

## Information about the company

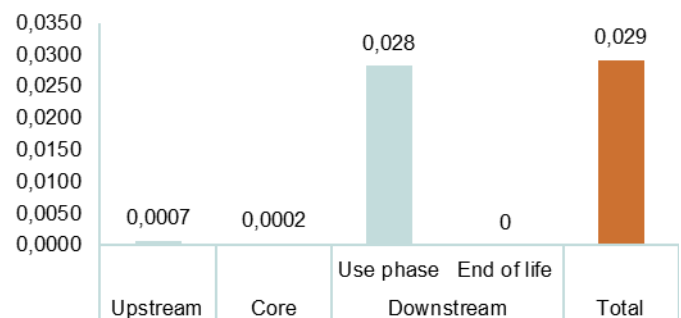
Hitachi Rail Italy, created by the evolution of AnsaldoBreda which is the most important Italian brand with more than 160 years of history in the rail and metro sector, has a wide range of products, ranging from high speed to driverless metros.

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 environmental performance of the considered product has been quantified by Life Cycle Assessment (LCA) approach in accordance with ISO 14040 and ISO 14044. The life cycle is divided into three modules, Upstream Module (raw and basic materials, fuels, etc.) Core Module (manufacture of the vehicle) and downstream module (operation, materials etc). The graph shows the emissions of greenhouse gases for passenger transports per person and kilometre.

kg CO<sub>2</sub>-equivalents per 1 passenger  
transport for 1 km



## Other environmental information

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

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LINK TO MORE INFORMATION: [WWW.ENVIRONDEC.COM](http://WWW.ENVIRONDEC.COM)

EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM

REGISTRATION NO: S-P-00453

PCR: 2009:05, V2.0

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 BORCHI

ACCREDITED / APPROVED BY:  
INTERNATIONAL EPD® SYSTEM

CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE

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VALIDITY: 2016-07-18