

20 | 25



# A journey into Trenitalia's sustainability

 **TRENITALIA**  
GRUPPO FERROVIE DELLO STATO ITALIANE



# TRENITALIA'S COMMITMENT TO SUSTAINABLE, INTEGRATED AND INCLUSIVE MOBILITY

Trains are not only a means of connecting people and places - they represent a key element of sustainable **MOBILITY**, capable of contributing to the economic, social and tourist development of territories by offering an opportunity to rediscover landscapes and traditions of towns and small villages. With its services and products, Trenitalia promotes mobility that is:

## SUSTAINABLE

By reducing emissions and consumption thanks to increasingly efficient fleets and systems, the use and production of renewable energy, and the use of recycled materials in line with ESG principles.



## INTEGRATED

By promoting intermodality and combined, customized transport modes supported by digital technologies, synergies, partnerships, and first-to-last mile mobility services, transforming travel into a unique experience that boosts local areas and strengthens relationships between people and communities.



## INCLUSIVE

By guaranteeing everybody the right to travel with equal opportunities, safety and comfort, through capillary and dedicated services, clear language and digital tools designed to accompany and respond to the different needs of travellers.



# THE OBJECTIVES OF TRENITALIA 2030

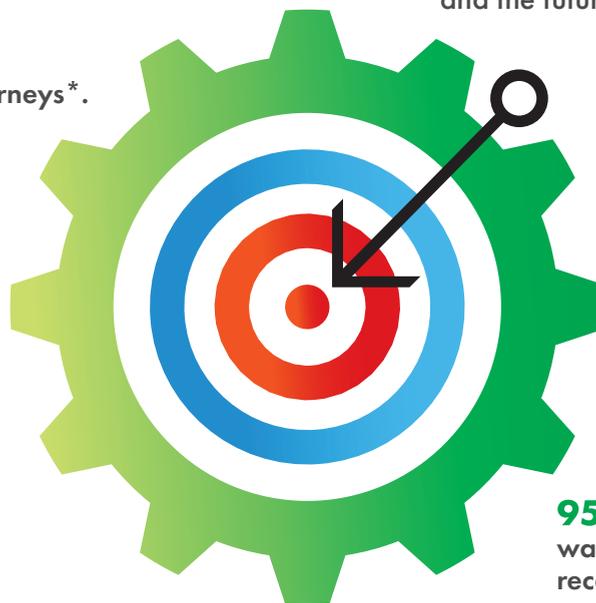
For Trenitalia, sustainability is an integral part of the business model - it generates concrete environmental benefits, stimulates innovation and strengthens competitiveness. The company promotes a just transition and is committed to mitigating climate change and to addressing the environmental and social challenges of the current context, focusing on people, territories and the future.

**+13%** of electricity produced from renewable energy sources in Trenitalia maintenance facilities and self-consumed\*.

**-31%** of diesel-traction journeys\*.

**-27%** fossil fuel consumption\*\* in maintenance plants\*.

**-15%** electricity consumed in plants due to energy efficiency measures\*.



**-20%** of water consumption\*.

**95%** of special waste sent for recovery.

**100%** of core category tenders\*\*\* meet circularity requirements.

\* Data from 2019.

\*\* Fossil fuels consumed in fixed plants: natural gas and diesel oil.

\*\*\* By core tenders, we mean tenders related to product categories that are strategic for the core business of the company, i.e. those that have a significant impact on the core business and industrial and sustainability objectives.



# TRENITALIA FOR THE ENVIRONMENT

## NEW GREEN FLEETS

The renewal of fleets for the Regional, Intercity, and High-Speed services continues through the purchase of new trains, locomotives, and carriages; **120 new trains were delivered in 2024.**



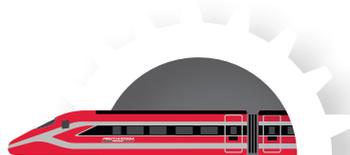
### Intercity trains

With their triple power supply of electricity, diesel and batteries, Intercity trains reduce diesel consumption and CO<sub>2</sub> emissions.



### Regional trains

Regional electric and trimodal trains with high levels of recyclability attested by Environmental Product Declaration (EPD) or recyclability reports.



### High Speed Trains

The ETR 1000 was designed focusing on the choice of materials used, which are 94% recyclable.

## Sustainable procurement

ESG (environmental, social and governance) criteria were included in procurement procedures, with the aim of encouraging sustainable choices along the supply chain. In 2024, the value of tenders awarded with ESG criteria amounted to approximately EUR 120 million.

## Self-production of energy

Increased clean energy production to increase the energy independence of maintenance facilities.

**12 photovoltaic plants** are currently in operation, with a total installed capacity of 9.1 MWp. By 2030, the installation of further plants is scheduled, with a total of **32 sites** and a total capacity of 19 MWp.



# TRENITALIA FOR THE ENVIRONMENT

## CIRCULARITY OF RESOURCES

Trenitalia's commitment to using circular production models and reducing waste continues, with initiatives such as replacing seat covers on the entire Intercity fleet with fabrics made from recycled plastic (RPET).



## COMPARED EMISSIONS

Trenitalia already indicates CO<sub>2</sub> emissions at the time of ticket purchase by comparing the emissions of a train journey with the same journey made using other means of transport.



# TRENITALIA FOR PEOPLE



## ATTENTION TO HEALTH

With the support of the FS Group, cancer prevention projects are supported, promoted by *Fondazione IncontraDonna* and developed in collaboration with specialist healthcare organizations:

### Frecciarosa

An initiative that spreads the culture of cancer prevention by offering free medical services on board trains and in stations.

### Male cancer prevention

A project realised with AIOM (Italian Association of Medical Oncology) to raise awareness among travellers about the prevention of cancer diseases in men and to promote healthy lifestyles.

### Frecciarosa in 2024:

- over 1,500 services provided;
- 46 trains involved;
- 42 million passengers involved;
- 22,650 Health

Vademecums distributed  
(over 6,500 in digital format).

## INCLUSION

Trenitalia works day after day to make its services increasingly accessible and inclusive:

### LIS – Italian Sign Language

LIS video-interpreting service, operating daily from 8 a.m. to 6 p.m. in 23 stations, allowing deaf people to communicate in real time when needing assistance and travel information as well as when purchasing tickets.

### Inclusive pictograms

New Braille pictograms for waste separation are available in the snack areas of Intercity trains and are being applied on high-speed trains.

### Inclusive services

Various services are made available such as PostoBlu, a dedicated service that allows people with disabilities or reduced mobility to reserve seats and assistance on trains, for an accessible and barrier-free journey.

Over 650 operators have already received training to ensure inclusive reception for all travellers.



# TRENITALIA FOR THE TERRITORY



## TERRITORY PROMOTION

Trenitalia promotes an integrated mobility model, with the aim of generating new opportunities and growth prospects for communities and the territory. Through sustainable tourism services, the company contributes to connecting the beauty of the country offers, promoting local resources and fostering economic, social and cultural development.

### Regional Travel Books

Nine tourist guides identifying cycle paths, beaches, UNESCO sites, parks, wellness destinations, ski resorts, gardens, villages and places of worship.

### Synergies and partnerships for the discovery of the territory

Activation of partnerships for intermodal transport (e.g. train+bike, train+bus+bike), facilitating access to destinations of tourist and cultural interest.

## BICYCLE SPOTS ON REGIONAL AND INTERCITY TRAINS

Trenitalia offers new opportunities for integrated mobility for tourists and the cultural enjoyment of the territory.

### Regional trains

89.5% of trains are equipped for transporting traditional and e-bikes (up to 12 spots per train), indicated by pictograms on timetables and the "bicycle in tow" filter at the time of purchase.

### Intercity trains

A bicycle service is always available in carriage 3 and coming soon on the new night carriages with designated racks.



# TRENITALIA FOR TRAVELLERS OF THE FUTURE

## SCHOOL PROGRAMME

The *In treno è tutta un'altra gita* (Travelling by train is an entirely different experience) project includes meetings, training courses and competitions for students and teachers to promote trains as a sustainable and safe choice.

In the 2024-25 school year, approximately 9,000 students and 4,000 teachers were involved in various activities. Eight School Days took place, with workshops for primary schools. The online [scuoleintreno.it/project](https://scuoleintreno.it/project) platform was set up to support teachers in organising trips and offer travel ideas for private journeys as well.



In April 2025, a MiM (Ministry of Education and Merit) circular was disseminated to all schools in Italy to promote trains as a means of transport for educational trips and outings, as they guarantee a lower environmental impact, lower accident rate and reduced road congestion.



# TRENITALIA FOR TRAVELLERS OF THE FUTURE

## CHILDREN'S TRAIN

An initiative in which young travellers and their group leaders boarded a historic train to the *National Railway Museum of Pietrarsa*, to learn about the beauty of the railway world and its professions while meeting the Trenitalia staff.



## INTERCITY KIDS

An educational and inclusive area for children aged 3 to 12 is coming soon to the new Intercity trains. Created following eco-design criteria, it promotes virtuous behaviour through play, enabling people to discover the richness of our country's natural, cultural and artistic heritage. The INTERCITY Kids prototype was selected for publication in the ADI Design Index 2025, in the Design for Services category.

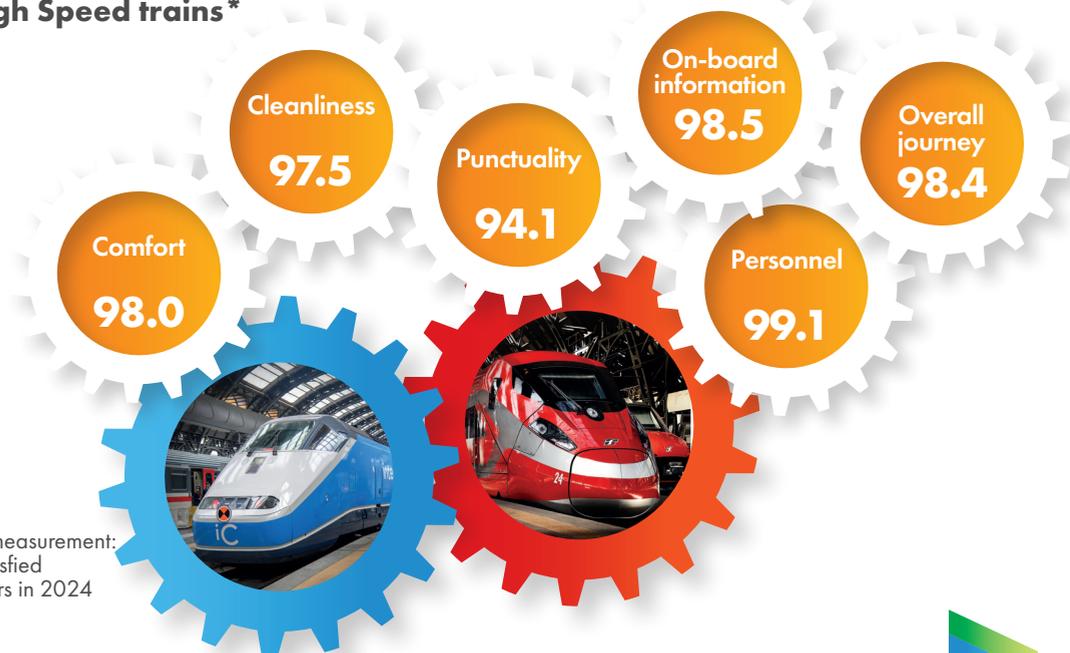
# LISTENING TO CUSTOMERS: FIGURES AND RECOGNITION

The voice of those who use Trenitalia services and products is important, which is why Trenitalia listens to people through surveys, questionnaires and dedicated contact channels, in order to improve and offer a travel experience that is increasingly in line with expectations.

## Rail passenger transport | Regionale\*



## Rail passenger transport | medium and long distance | Intercity and High Speed trains\*



\* Unit of measurement: % of satisfied customers in 2024



# LISTENING TO CUSTOMERS: FIGURES AND RECOGNITION



Thanks to its ongoing commitment to increasingly sustainable choices, in 2025 Trenitalia reconfirmed its EcoVadis gold medal, an internationally recognized rating for evaluating ESG performance, positioning itself among the top 1% of rail transport companies on a global level.



Trenitalia fleet's single-decker hybrid trains are the first in the world to have obtained the Social Product Declaration (SPD)\* certification, validated by a third-party body, to quantify social impacts along the value chain.



## Further certifications

### ISO 45001:2018

Occupational Health and Safety Management Systems.

### ISO 14001:2015

Environmental Management System.

### ISO 9001:2015

Quality Management System.

\* The SPD analysis was conducted in accordance with the latest literature sources, including:

1. UNEP, Guidelines for the Social Life Cycle Assessment of Products and Organisations - Revised Edition (2020);
2. UNEP, Methodological Sheets for Subcategories in Social Life Cycle Assessment (S-LCA) (2021).



# TRENITALIA DATA FOR 2024



## ENVIRONMENT

### Avoided:

- 3 million tonnes of CO<sub>2</sub>\*;
- approximately EUR 2 billion in environmental and social costs saved for the community.

### Emission intensity:

- 28.33 gCO<sub>2</sub>eq/passenger-km (scope 1 and 2) average specific emissions.

### Waste:

- 49,891 tonnes of total special waste produced (of which 86.4% sent for recovery).

## SOCIAL

- 24,934 Trenitalia employees, of which 100% have open-ended contracts and around 31% of whom are under 30;
- 1,844,265 hours of training provided, equivalent to approximately 74 hours of training per employee, of which 15,832 on topics related to environmental sustainability;
- 1,609 total new hires during the calendar year (of which 1,369 under 30).

## GOVERNANCE

- Around EUR 120 million were awarded in tenders with sustainability requirements;
- 13,383 employees trained in active and passive anti-corruption policies and procedures;
- percentage of employees who have been trained in business ethics: 59%.

\*The emissions and costs avoided are based on a comparison with the choice of using a private car for the same journey

For the complete data, please refer to the FS Group Integrated Report at the following link:  
[https://www.fsitaliane.it/content/dam/fsitaliane/Documents/investor-relations/2025\\_07\\_02\\_Report\\_Integrato\\_2024.pdf](https://www.fsitaliane.it/content/dam/fsitaliane/Documents/investor-relations/2025_07_02_Report_Integrato_2024.pdf)



# TRENITALIA'S COMMITMENTS FOR THE FUTURE



# TRENITALIA'S COMMITMENTS FOR THE FUTURE

## Climate change mitigation

Developing and adopting effective solutions to support energy transition and contribute to the achievement of climate neutrality goals:

- renewing regional, Intercity and high-speed fleets with energy-efficient electric, hybrid and trimodal trains;
- developing innovative technologies for railway traction and maintenance facilities geared towards the phasing out of fossil fuels;
- implementing energy efficiency measures in industrial plants;
- producing and self-consuming energy from renewable sources.



## Adaptation to climate change

Strengthening the adaptive capacity of transport services and assets through a structured management of measures and actions aimed at ensuring an effective response to ongoing climate change:

- Trenitalia's climate change adaptation plan.



## Biodiversity and ecosystems

Developing projects that generate benefits for biodiversity and contribute to climate change mitigation.



# TRENITALIA'S COMMITMENTS FOR THE FUTURE

## Development and promotion of territories and communities

Providing opportunities and new perspectives for development through:

- integrated, comprehensive, accessible and inclusive mobility services;
- greater integration between rail, LPT, sharing mobility and ferries, including through digital tools and integrated tariff systems;
- increasing the historical/tourist transport offer;
- increasing bicycle spots on new regional and Intercity fleets.



## Circularity of resources

Supporting the transition to a circular resource model through sustainable material and waste management in line with ESG principles:

- setting up working tables to map technological, digital and plant components containing critical materials, in order to enhance their recovery and recycling;
- increasing separate collection and recovery of waste;
- water network efficiency and water circular economy projects;
- industrial symbiosis initiatives.



**trenitalia.com**

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