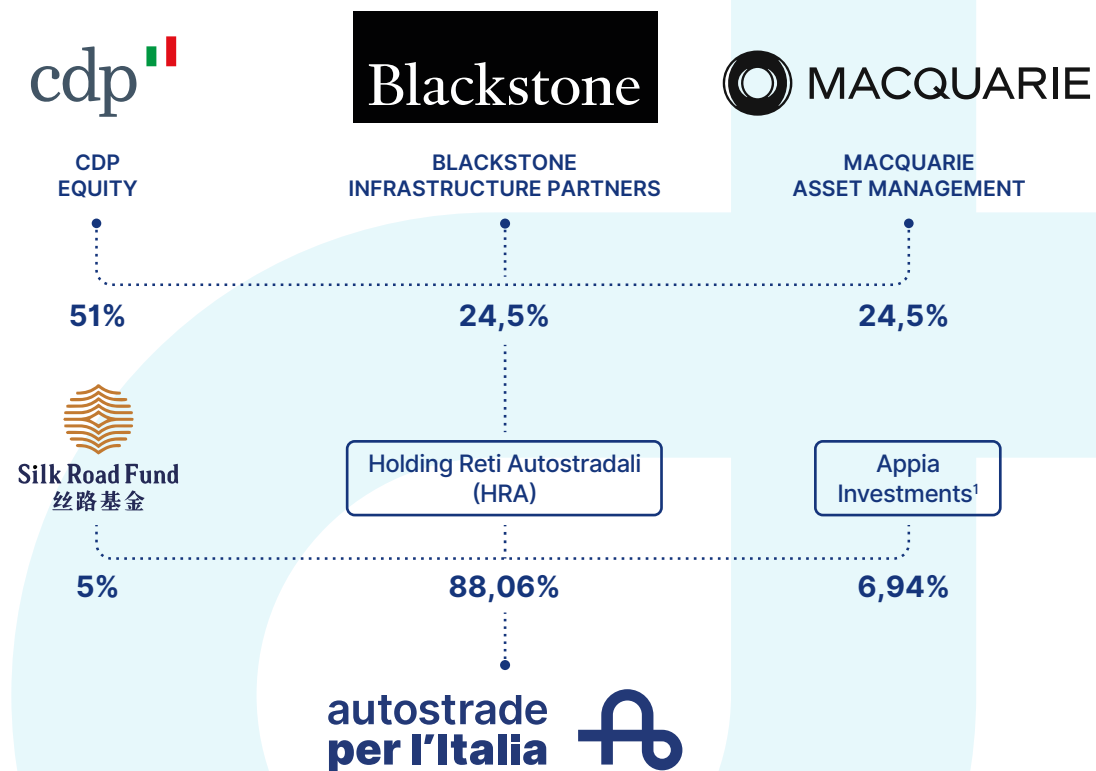**autostrade per l'Italia**

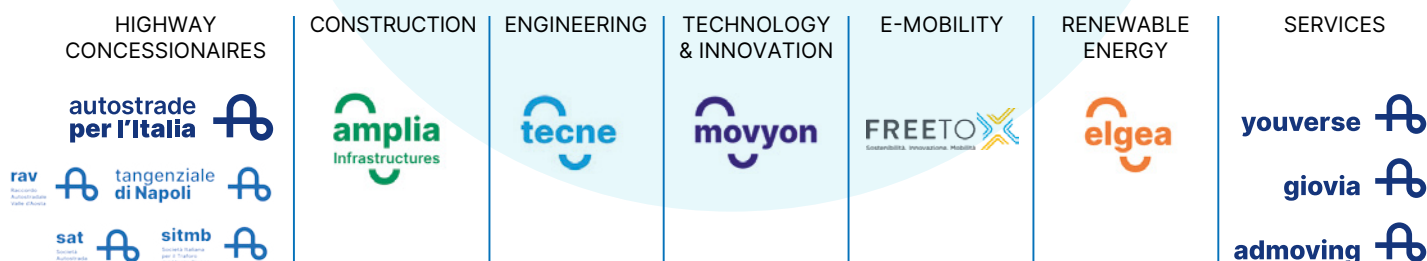# SUSTAINABILITY REVIEW 2024

ONE NETWORK, ENDLESS CONNECTIONS

Autostrade per l'Italia Group is one of the largest motorway concessionaires in Europe, managing approximately **3,000 km** of network across **15** regions and **60** provinces.

cdp

Blackstone

MACQUARIE

CDP EQUITY	BLACKSTONE INFRASTRUCTURE PARTNERS	MACQUARIE ASSET MANAGEMENT
51%	24,5%	24,5%

Silk Road Fund 丝路基金

Holding Reti Autostradali (HRA)

Appia Investments[1]

5%	88,06%	6,94%

autostrade per l'Italia

(1) A company jointly owned by Allianz Capital Partners (60%), EDF Invest (20%), and DIF (20%).

GROUP COMPANIES

HIGHWAY CONCESSIONAIRES	CONSTRUCTION	ENGINEERING	TECHNOLOGY & INNOVATION	E-MOBILITY	RENEWABLE ENERGY	SERVICES
autostrade per l'Italia	amplia Infrastructures	tecne	movyon	FREETO X	elgea	youverse
rav	tangenziale di Napoli					giovia
sat	sitmb					admoving

Monte Bianco

Torino

Genova

Livorno

Civitavecchia

Roma

Napoli

Milano

Brescia

Belluno

Padova

Venezia

Bologna

Pisa

Firenze

Pescara

Taranto

Bari

A23
A8
A9
A4
A27
A5
A26
A1
A26
A7
A13
A10
A12
A11
A1
A14
A12
A1
A12
A1
A14
A16
A30
A14

	AUTOSTRADE PER L'ITALIA
	Network length: 2,855 km – Concession expiry: 2038

Other concessionary companies

	SOCIETÀ ITALIANA PER IL TRAFORO DEL MONTE BIANCO
	Network length: 6 km – Concession expiry: 2050
	RACCORDO AUTOSTRADALE VALLE D'AOSTA
	Network length: 32 km – Concession expiry: 2032
	SOCIETÀ AUTOSTRADA TIRRENICA
	Network length: 55 km – Concession expiry: 2028
	TANGENZIALE DI NAPOLI
	Network length: 20 km – Concession expiry: 2037

~3,000 km motorway network

4,8 mln customers per day

2,8 mln vehicles per day

~10,000 employees

>4,000 bridges and viaducts

214 service areas

1,922 variable message signs along the highway network

257 toll stations

STRATEGIC GUIDELINES

The safety of the users who travel our network every day, as well as that of the personnel working to improve and modernize it, remains a non-negotiable priority.

In the digital age, success also means adopting innovative and smart solutions—through project digitalization, construction automation, and intelligent worksite management.

Safety

Smart Solutions

Stakeholder Engagement

Success depends on the ability to listen to, to engage with, and to meet the needs of all our stakeholders, while investing in our internal resources and supply chain, and actively collaborating with public bodies and institutions.

Sustainability

Our commitment is to be a center of environmental, economic, and social excellence, demonstrating how sustainability can be successfully integrated into infrastructure and motorway management.

A12 Colle Salvetti Interchange Coltano Viaduct

SPREADING THE SUSTAINABILITY MODEL

The Group builds its sustainability model on a governance structure aligned with best practices.
This setup allows for the integrated and harmonious dissemination of the sustainability strategy, initiatives, and guidelines across all business units, while consistently monitoring related performance and goals.

Autostrade per l'Italia's Sustainability Governance

- **ESG&HS Committee**
- **ESG Management Committee**
- **DE&I sub-committee**
- **Sustainability**
- **ESG Ambassador**

The **ESG&HS Committee**, composed of members of the Board of Directors, supports the Board in reviewing and assessing sustainability initiatives, among other responsibilities.

The **ESG Committee**, chaired by the Chief Executive Officer, proposes ESG guidelines to the ESG&HS Committee (in support of its advisory role to the Board) and ensures monitoring of the Sustainability Plan's progress. A dedicated **subcommittee on Diversity, Equity & Inclusion** also operates within the Committee.

The **Sustainability** function supports the implementation of ESG initiatives and monitors the progress of the Sustainability Plan through dedicated KPIs and objectives. It is also responsible for sustainability reporting in compliance with current regulations and standards (Corporate Sustainability Reporting Directive – "CSRD").

ESG Ambassadors identify and promote new initiatives aligned with ESG guidelines and support the Sustainability function in all its responsibilities, actively fostering the Group's ESG culture within their respective departments.

DOUBLE MATERIALITY ANALYSIS: RESULTS 🗗

In 2024, following the Stakeholder Engagement process required by the CSRD, the relevant material topics to report on were identified. For each of these topics, a double materiality analysis was carried out, considering both the impacts of the Group's activities on the external environment and the external impacts on the Group's operations. This included the identification of positive and negative impacts, as well as current or potential risks and opportunities generated by the activities.

🟢 Positive impact   🔴 Negative Impact   🟣 Risk   🔵 Opportunity

European Sustainability Reporting Standards (ESRS 2024)		ESRS Sub Topic to be reported
E1 – Climate Change	🟢🔴🟣🔵	Climate change adaptation / Climate change mitigation / Energy
E2 – Pollution	🔴	Pollution of soil
E3 – Water and marine resources	🔴	Water
E4 – Biodiversity and Ecosystems	🔴	Direct impact drivers of biodiversity loss / Impacts on the extent and condition of ecosystems
E5 – Circular economy	🔴	Waste
S1 – Own Workforce	🟢🔴🟣🔵	Working conditions / Equal treatment and opportunities for all
S2 – Workers in the value chain	🟢🟣	Working conditions / Other work-related rights
S3 – Affected communities	🟢	Communities' economic, social and cultural rights
S4 – Consumers and end-users	🟢🔴🟣	Personal safety of consumers and/or end-users / Social inclusion of consumers and/or end-users
G1 – Business conduct	🟣	Corporate culture / Management of relationships with suppliers including payment practices / Corruption and bribery
Entity specific – Innovation and digitalization	🟢	Contribution to the digitization, innovation and technological development of the sector (No ESRS sub topic)

Material topic area

🟢 Environment

🟠 Social

🔵 Governance

A1 New San Donato Tunnel - Construction Works

Risk Management

RISK MANAGEMENT

In 2024, Autostrade per l'Italia reaffirmed its commitment to ensuring effective and ongoing risk management.

ASPI's Risk Model is structured around four areas: **Strategic, Operational**, **Ethics & Compliance**, and **Financial**, broken down into 34 categories. For each category, a **Risk Appetite** level has been defined — the **acceptable level of risk** the organization is willing to take in pursuing its strategic objectives.

Enterprise Risk Management (ERM) activities carried out in 2024 enabled the identification of 17 key risk categories (Top Risks) critical to achieving the objectives of the business plan. These are managed through dedicated control measures and targeted improvement actions. Climate Change and ESG risk are included among the strategic risks.

To address **Climate Change**, ASPI has implemented a Natural Risk Management Model, which also covers extreme weather events, with escalation procedures proportionate to the severity of each event. In addition, the company has developed its own Climate Transition Plan, which outlines strategies and targets for transitioning to a low greenhouse gas emissions economy.
To assess the impacts of climate change, ASPI has adopted an approach aligned with the guidelines of the Task Force on Climate-related Financial Disclosures (TCFD). Finally, the company is carrying out a major modernization plan for its network to extend asset lifespan and enhance resilience to climate change phenomena.

For **risk management**, ASPI has implemented a structured governance system that spans the entire organization and has published its strategy on all material ESG topics in the ESG statement. The initiatives carried out by the various corporate departments are measured through KPIs, which are systematically monitored. As evidence of its commitment to sustainability, ASPI is certified, among others, with ISO 14001:2015 for the Environmental Management System, ISO 30415:2021 for Diversity & Inclusion, ISO 9001:2015 for Quality, ISO 50001:2018 for Energy Management, ISO 37001:2016 for the Anti-Corruption Management System, ISO 45001:2018, ISO 39001:2016, and ISO 22301:2019 for the Integrated Management System, and UNI/PdR 125:2022 for Gender Equality.

STAKEHOLDERS: CREATING SHARED VALUE

Structured and transparent dialogue with stakeholders is essential to creating shared value.

The adoption of the Stakeholder Engagement Policy ⬀ in November 2024 aims at strengthening relationships with stakeholders by sharing environmental, social, and governance objectives — also pursued through innovation and digitalization.

To ensure transparency and fairness, Autostrade per l'Italia has implemented a whistleblowing system through a dedicated platform.
This commitment reinforces sustainable governance and the Group's role as a responsible leader in the sector, engaging every stakeholder category through actions based on their impact on material topics.

KEY STAKEHOLDERS

Institutions

People

Investors and Financial Community

Suppliers

Communities and Local Areas

Customers

ONE-PAGE SCORECARD – ESG 2024

Material topic	KPI	2023	2024
E1 **Climate change**	**Group**, Scope 1+2 GHG Emissions (kton CO$_2$)	49.9	55.1
	Group, Scope 1+2 Reduction vs 2019 (kton CO$_2$)*	-61%	-57%
	Group, Scope 3 GHG Emissions (kton CO$_2$)	1,423	1,865
	Gruppo, Scope 3 Capital Goods (tCO$_2$e / €M of CapEx linked to major infrastructural development under concession)*	831	831
	ASPI, number of EVCP (Electric Vehicle Charging Points) installed	538	728
	ASPI, electricity consumption (GWh)	171.7	164.0
	ELGEA, photovoltaic power installed on ASPI assets (MWh)	0	1
	Group, total number of diesel-powered thermal plants replaced	19	28
	Group, total number of tunnels upgraded with LED lighting	99	160
	Amplia, % of warm mix asphalt production	-	53.7%
E2 **Pollution**	**Group**, number of spill incidents	-	82
	Group, fire suppressionwater used (litres)	-	296,000
E3 **Water and marine resources**	**Group**, water consumption (ML)	1,419	1,462
E4 **Biodiversity and ecosystem**	**Group**, total hectares reforested	12	30
	Group, biodiversity manifesto publication	-	ON
	ASPI, mapping of species on the UN Red List	-	ON

Material topic	KPI	2023	2024
E5 **Resource use and circular economy**	**Group**, % of waste sent for recovery/recycling/reuse processes	99%	99%
S1 **Own workforce**	**ASPI**, Gender Pay Gap (PdR 125)	0	0
	Group, training hours/year per FTE	69**	28
	Group, total training hours	671,355**	280,094
	ASPI, % of women in managerial positions	22.1	23.6
S1 & S2 **Own workforce & Workers in the value chain**	**Group**, number of safety walks	1970	2346
	Group and third-party companies, LTIFR	8.8	<8
S4 **Consumers and end-users**	**Group**, fatal accident rate***	0.2	0.2
G1 **Business Conduct**	**ASPI**, % of suppliers on register with due diligence performed	100%	100%
	ASPI, Integrated Management System – Class A	ON	ON
	ASPI, Envision certification achieved	-	ON
	ASPI, number of ESG audits on third parties	-	5
	ASPI, private procedures with ESG criteria	-	50%
ENTITY SPECIFIC **Innovation and digitalization**	**ASPI**, digital coverage	75%	79%
	Group, customer data breaches	0	0
	ASPI, ISO 27001 extension for the 9 Technical Departments	-	ON
	Group, suppliers responsible for processing customer personal data assessed	30%	30%

* Sustainable Finance KPIs.
** The 2023 data includes training hours planned for the "Fondo Nuove Competenze".
*** Number of fatal accidents per 100 million kilometers traveled.

SOCIAL RESPONSIBILITY:
HOW WE ENGAGE
OUR STAKEHOLDERS

A23 Somplago Viaduct

THE PEOPLE'S GROUP

Professional growth, well-being, and work-life balance are key elements for the Group. Additionally, the Group promotes a responsible and sustainable supply chain, aware of environmental and social issues, particularly in regards to respecting and safeguarding workers' health and safety and combating practices that are not aligned with ASPI's values.

As an infrastructure operator, ASPI is also deeply connected to the communities and territories it serves. The safety of motorway users is its primary goal, pursued through advanced technologies, rigorous procedures, and awareness initiatives for responsible driving.

Wellness Community Sports Event

Autostrade per l'Italia considers the Group's employees its main value: for this reason, it is committed to ensuring a safe, inclusive work environment that respects human rights.

HIGHLIGHTS SOCIAL 2022-2024

4,300+
Group **Safety Walks** between 2022-2024 to strengthen the safety culture

800+
Schools involved in the **"Non chiudere gli occhi"** project

Active Safety
Leadership program launched in the field of health and safety

Sicurezza stradale
New communication campaign launched

100+
Companies involved in the **Safety Academy** since 2022

9
Group Communities dedicated to overseeing the main themes of the transformation plan

90
Road service vans equipped with collision prevention system and AI support from 2019-2024

120
Group employees enrolled in ERG groups in 2024

>1,150,000
Hours of training delivered between 2022 and 2024

autostrade per l'Italia

PROGETTO SICUREZZA STRADALE A SCUOLA
NON CHIUDERE GLI OCCHI

Polizia di Stato   autostrade per l'Italia

Rallenta.
Il mio papà lavora in autostrada.
Rispetta la segnaletica, i limiti di velocità e le distanze di sicurezza, per chi viaggia e per chi lavora in un cantiere stradale.

La libertà è movimento, in sicurezza.

Customers

NAVIGARD: THE ROAD SAFETY PROGRAM

Travelling on the highway primarily means safety. The European Union has set the goal of zero fatalities on the roads by 2050.

From some of the most advanced technologies comes **Navigard** ,
a platform developed by the Autostrade per l'Italia Group that combines the main solutions implemented to ensure and increase the safety of those traveling on the network and those working on it. Navigard collects, processes, and makes data available for advanced monitoring of behaviors and road events.

VEHICLE WEIGHT MONITORING

DETECTION OF VEHICLES STOPPED IN TUNNELS OR DRIVING AGAINST TRAFFIC

REMOTE TACHOGRAPH READING

SPEED MONITORING

TOLL VIOLATION DETECTION

HAZARDOUS CARGO TRACKING

DETECTION OF HEAVY VEHICLES OVERTAKING

S1 | OWN WORKFORCE
S2 | WORKERS IN THE VALUE CHAIN

People   Suppliers

SOCIAL RESPONSIBILITY:
HOW WE ENGAGE OUR STAKEHOLDERS

SUSTAINABILITY REVIEW 2024   11
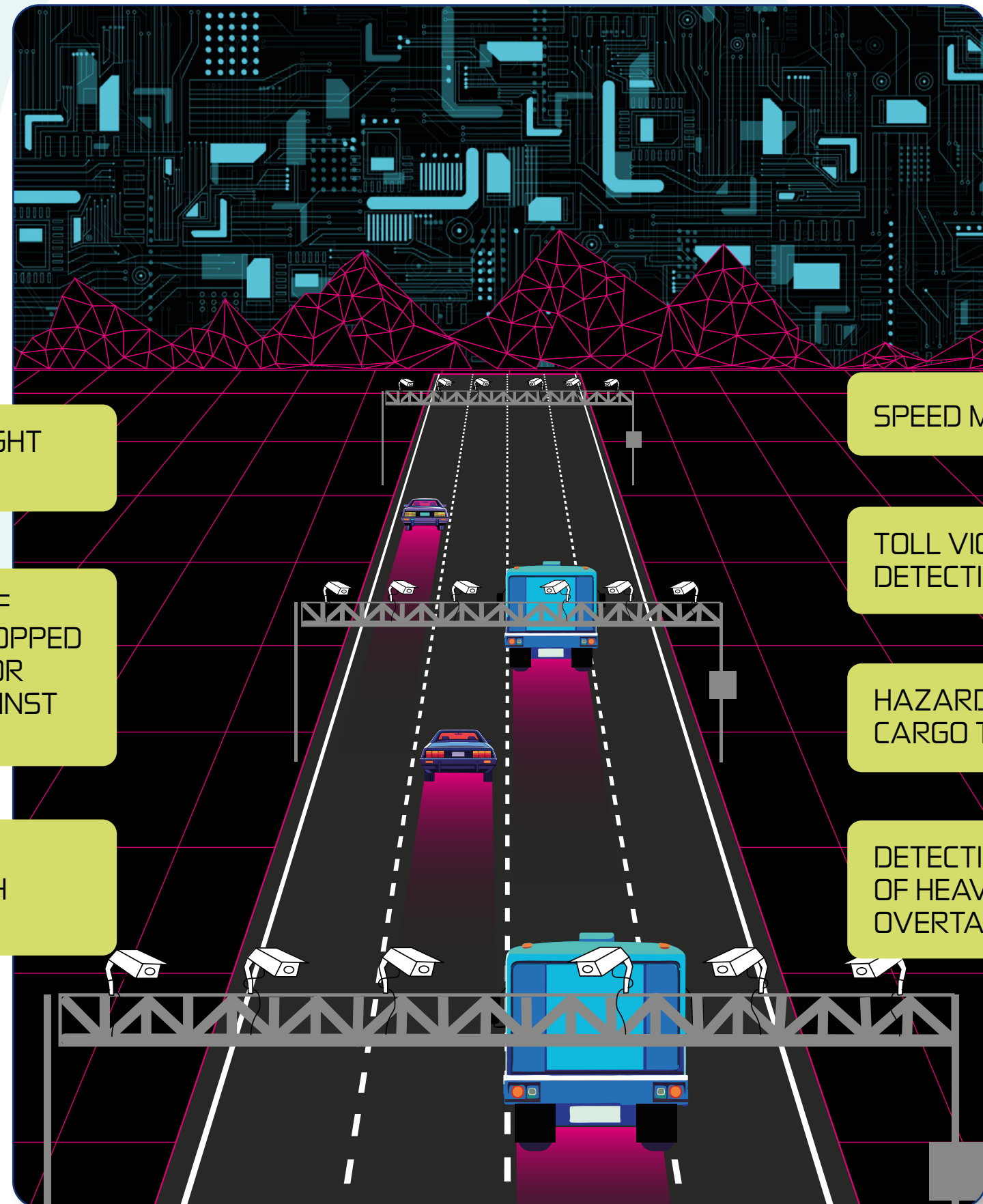
ACTIVE SAFETY VALUE
SAFETY AS A CORPORATE VALUE

Autostrade per l'Italia has placed safety at the heart of its strategy. 🗗

This commitment is an integral part of the sustainable development vision, in which safety is considered a non-negotiable value. The Group's accident rates — including those of contracted companies — have decreased by over 65% since 2020 and by 38% compared to 2022. The ambition is to achieve zero accidents across all activities.
In pursuit of this goal, the **Active Safety Value** program was launched, designed to contribute to this ambition.

Safety Week

Between February 18–24, 2024, **about 8,000 people and over 300 companies** took part in construction site drills, safety walk workshops, and safety flash mobs — events that were open to schools and families and involved all the companies within the Group.

& active safety academy

The initiative was launched with the aim of promoting safety leadership in every workplace and raising awareness across the entire supply chain about the importance of adopting safe behaviors.

2024 highlights: **3 workshops** and **100 participating** companies.

& active safety

This program brings together all the initiatives aimed at spreading and strengthening a culture of workplace safety, targeting every professional family within the Autostrade per l'Italia Group.

H&S Training

In 2024, the Group delivered over **80,000 hours** of Health & Safety training.
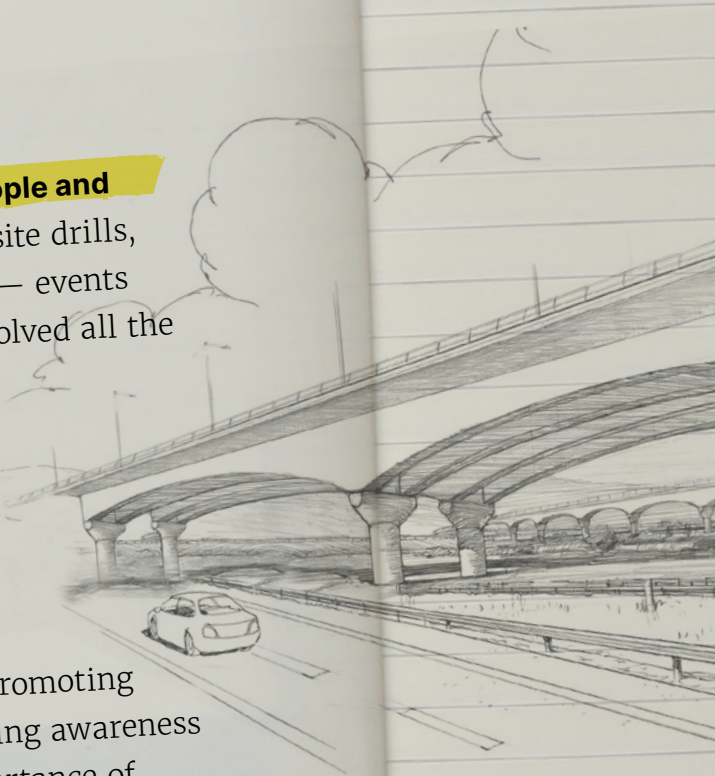
COMMITMENT TO NEW GENERATIONS

Futuro in viaggio ⬈

An initiative promoted by ASPI in the 2024/2025 school year. It focuses on education and dialogue with high school school students on sustainable mobility — that is, mobility that is safe, digitalized, inclusive, and has a positive impact on local communities.

Non chiudere gli occhi ⬈

The "Non chiudere gli occhi" project was introduced in high schools starting in the 2023/2024 school year and continued in 2024/2025 as part of the broader campaign "Non chiudere gli occhi. Road safety concerns you too," promoted by Autostrade per l'Italia in collaboration with the State Police and under the High Patronage of the President of the Republic. It is a road safety awareness and education initiative carried out by teachers in classrooms, enriched by a nationwide tour that reached several schools across Italy, creating opportunities for dialogue and learning thanks to the participation of ASPI's staff and the Highway Police.

Distretto Italia ⬈

"Distretto Italia" is a project promoted by the ELIS Consortium to guide, train, and integrate 10,000 young people aged between 16 and 30 into the workforce. The initiative involves 34 entities including companies, employment agencies, and other organizations, including Autostrade per l'Italia, Enel, Ferrovie dello Stato Italiane, Fincantieri, TIM, and many others. The project is structured around three key areas:

▶ **Trades Schools:** free training programs across various sectors to provide the advanced technical skills required by the job market;

▶ **School for the School:** orientation activities through "Pathways for Transversal Skills and Orientation" (PCTO), in collaboration with schools and technical institutes nationwide;

▶ **School for the Enterprise:** a bridge between job supply and demand to facilitate the integration of young people into partner companies of the project.

Communities and Local Areas

SMART CITY GENOVA

Smart City Genova ⬈ is the pioneer of projects aimed at transforming cities into data-driven ecosystems that collect information from the urban environment through cutting-edge technologies, analyzing and integrating data with artificial intelligence.

The Smart City Genova project aims to:

▸ reduce pollution and congestion in the Genoa area;

▸ ensure equitable access to services for all citizens;

▸ promote the use of public transport, electric vehicles, and shared mobility.

MaaS App Development

Mobility-as-a-Service (MaaS) platform and app providing access to integrated mobility services (information, booking, and payment).

Dynamic Limited Traffic Zone (ZTL)

Control and monitoring of access, transit, and emissions across the entire metropolitan area, enabling effective mobility management policies.

Advanced Traffic Light Area

Artificial Intelligence and IoT to adapt signage to traffic conditions and to optimize and prioritize traffic flows.

Sharing Services

Control and monitoring of access, transit, and emissions across the entire metropolitan area, enabling the implementation of mobility management policies.

Sustainable Mobility

Providing citizens with information on the most eco-friendly mobility options.

Digital Highway Corridor

Real-time monitoring of heavy traffic to and from the port, along with access planning.

Smart Parking

Artificial intelligence to update real-time parking availability.

People

Communities and Local Areas

A WORLD OF COMMUNITIES

Corporate Volunteer Initiatives

The transformation journey of Autostrade per l'Italia places people at the heart of change, promoting an inclusive culture based on the appreciation of diversity, the sustainability of its decisions, and organizational well-being.

Our people — more than 900 — are also at the core of various corporate communities: true generative networks established to support the development of specific areas or company projects through participation and the planning of initiatives.

Active Communities

Trainer

Alumni

Wellbeing

Active Safety

ESG Ambassador

Buddy

ERG

PWAY

Business Continuity Agent

PARTECIPATION PROCESS

Company Selection

Voluntary

S1 | OWN WORKFORCE
S3 | AFFECTED COMMUNITIES

People | Communities and Local Areas

SOCIAL RESPONSIBILITY:
HOW WE ENGAGE OUR STAKEHOLDERS

SUSTAINABILITY REVIEW 2024   15

THE WELL-BEING OF THE GROUP'S PEOPLE

Employee Resource Groups (ERGs) were created to support the company in spreading an inclusive culture, addressing all diversity issues in an integrated way. ERGs promote an inclusive approach aligned with DE&I goals, activating initiatives and projects shared with the company to amplify the impact of DE&I policies both internally and externally, and to develop a network that can also serve as a reference point for employees' families. There are four ERGs: Ipazia (gender equality), GenZero (cross-generation engagement), Aucuba (disability), and Guidiamo (LGBTQ+). In 2024, ASPI organized an Inclusion Week, an initiative that welcomed 750 participants over three events dedicated to promoting a culture of respect and psychological safety, valuing the contribution of ERGs, updating on DE&I initiatives, and creating connections with the regions where the Group's business entities operate

Associations ASPI Collaborated with in 2024 for Promoting DE&I and Well-being Themes:

Valore D
The first business association in Italy dedicated to promoting gender equality and an inclusive culture, both within organizations and in the country as a whole.

Stati Generali delle Donne
Promotes substantial and equal democracy for women, addressing issues such as social well-being, labor policies, culture, peace, dialogue, health, and development It uses innovative approaches and language to experiment new solutions and promote a more equitable and inclusive society.

Fondazione Libellula
It is a social enterprise founded by Zeta Service in 2020 to prevent and combat, through cultural interventions, violence against women and gender discrimination.

Parks – Liberi e Uguali
A non-profit association that involves employers and supports companies in understanding and leveraging the potential of strategies and best practices that respect diversity. It focuses particularly on the inclusion of LGBT+ individuals.

Associazione Italiana Dislessia (AID)
An organization that deals with Specific Learning Disabilities (SLD) such as dyslexia nationally. AID provides support and information to individuals with SLD, from early childhood to adulthood.

La carovana della prevenzione
A national women's health program that has been carried out for over 15 years in collaboration with the **Policlinico Gemelli Foundation** and other healthcare facilities nationwide. The Autostrade per l'Italia group has been supporting the **Komen Italia** organization in the fight against breast cancer and relevant types of female cancers for years, ensuring more than **300 free annual screenings** at various company locations.

Telethon Udine
For 26 years, the Telethon Relay Udine 24x1 hour has raised funds for scientific research on rare genetic diseases. The event, which is part of the **People Care program "The Community of Well-being,"** is organized in collaboration with the Udine Branch Management and is open to colleagues and family members who wish to participate.

People   Communities and Local Areas

2024 CORPORATE PHILANTHROPY

Every year, Autostrade per l'Italia renews its commitment to social responsibility, supporting the regions and communities along its network through the allocation of funds to finance solidarity projects proposed by third-sector organizations and employees engaged in social initiatives. Project selection is entrusted to a **Solidarity and Social Promotion Committee**, composed of trade union representatives and chaired by an externally appointed President.

DE&I Associations and Projects 2024

Comunità S. Egidio – ACAP-APS

The project **"Scuola per tutti"** aims to support the integration and holistic development of 50 children living in nomad camps in southern Rome, with the goal of reducing school dropout rates, promoting access to all levels of education, and encouraging collaboration between schools and families.

Smile House Fondazione ETS

Smile House provides care for certain birth defects of the mouth that interfere with feeding and speech development. Through this project, the Foundation intends to purchase an Itero scanner to simplify orthodontic treatments.

Unione Polisportiva Isolotto

A **Florence-based association** promotes social integration by offering sports activities to children including those with disabilities, and the elderly. From football to karate, sport becomes a tool for cultural integration and inclusion. The association also provides community support services for administrative needs through its Social Help Desk (SPID, payments, etc.).

Primavera 86 S.C.S.R.L

The project **"Felicità in pentola"** is dedicated to individuals with disabilities living in the Primavera '86 group home and students from the hospitality school of Palombara Sabina. Learning techniques, raw materials, and food preparation becomes a way to foster connection and interaction between people.

AVAZ
Association of Volunteers for the Development of Peoples

The project titled **"(High)Ways for Education – Socio-educational pathways to fight school dropout"** aims to build a support network against school dropout and educational poverty for students in the suburban areas of Rome's Municipality III.

Amicamente ODV
Association Against Childhood Epilepsy

"Diagnostic and Hospital Integration Opportunities" targets children with epileptic and developmental encephalopathies, including severe, drug-resistant forms of epilepsy, as well as elderly individuals suffering from chronic degenerative conditions and/or who are not self-sufficient. These individuals often require frequent hospitalizations due to the nature of their condition. The ultimate goal is to reduce epilepsy-related hospital admissions through technological tools and appropriate support systems.

AUTOSTRADE & KNOWLEDGE

In 2024, the Group continued to strengthen and develop the skills of its people, recognized as a key differentiator in achieving the company's strategic goals.

This commitment is translated into an inclusive and objective approach that considers each individual's professional profile, organizational role, and career potential, in alignment with business needs and personal characteristics.

17
Partnerships with Universities and Academic Institutions

>280,000
Training hours delivered

126
Employees involved in advanced training programs

20
Scholarships awarded in the STEM field

50
Young talents enrolled in the LED Project

5
Academies in the areas of Sustainability, DIGITAL, Project Management, Operations, and Infrastructure

MAIN TRAINING AND DEVELOPMENT PROGRAMS ↗

Professional
▶ **Section department**: technical–specialist training programs in regulatory, technical, and operational fields.
▶ **RUP**: programs aimed at developing governance of processes, activities, and resources.
▶ **Project Management**: training paths to achieve PMI-PMP® certification and earn PDUs.

Managerial
▶ **LED (junior professional)**: a managerial development program for employees under 35.
▶ **EmpowerUP (Professional)**: a program designed to enhance and develop individual talent.
▶ **Xperience (Senior Professional)**: a project aimed at strengthening the key skills of Generation X, the most represented group within the company.
▶ **Off Road Future Leaders**: a training path in partnership with SDA Bocconi Business School to promote a leadership model aligned with the Group's values.

Acquisition Programs
▶ **Smart Infrastructures & Construction Academy**: held at the University Hub in Naples, this program focuses on training for the management and monitoring of road infrastructures, with a focus on sustainability, safety, and advanced technologies.
▶ **Master's in Engineering and Integrated Motorway Network Management**: co-designed with top universities, the program includes apprenticeship contracts and combines theory, hands-on practice, and case studies.
▶ **Amplia Academy**: initiatives aimed at training job seekers in key construction–related professions, blending classroom theory with on-site practice.
▶ **Talent Acceleration Program**: tailored for under 30 graduates, this program includes job rotation and advanced training in partnership with leading universities.

A WELFARE SYSTEM CLOSE TO OUR PEOPLE

Our corporate welfare initiatives support female empowerment, families, and the balance between work and personal life.
The recent renewal of the labor agreement introduced a series of additional permit benefits that go beyond national regulations.

PERMITS	DESCRIPTION
FAMILY CARE	
DAYCARE/KINDERGARTEN START	Paid leave during the first week of a child's integration into daycare, kindergarten, or primary school
LEARNING DISORDER THERAPIES	Paid leave for parents of children with learning disabilities (DSA) to attend specific therapy sessions
SCHOOL EXAMS	One day of paid leave for graduation, diploma, or middle school completion
PARENTAL CARE	Paid leave to assist and care for elderly parents
GRANDCHILDREN	Paid leave for the birth of grandchildren
DEATH OF RELATIVES (1st DEGREE)	Extended leave in the event of death or serious illness of first-degree in-laws
PRENATAL CLASSES	Paid leave to attend prenatal classes
PATERNITY LEAVE	10 additional days of leave, increasing total paternity leave to 20 days (10 legally mandated + 10 provided by ASPI), also including same-sex couples regardless of gender
CHILD ILLNESS	5 fully paid sick days for children up to 12 years of age
SOCIAL CARE	
VOLUNTEERING	2 paid days for volunteering activities
PERSONAL CARE	
DYSMENORRHEA	Paid leave for dysmenorrhea
YEAR OFF	Unpaid leave with job security for employees under 40

GOVERNANCE:
HOW WE OPERATE
RESPONSIBLY

Head Quarter Rome

INTEGRITY, TRANSPARENCY, ACCOUNTABILITY

In carrying out its activities and in its relationships with all stakeholders, the Autostrade per l'Italia Group is committed to maintaining high ethical standards, in line with the principles it embraces. This is a fundamental condition for creating long-term value for both the Group and society.

For these reasons, the Group promotes a corporate culture based on integrity, transparency, and accountability, and adopts strict policies and internal control procedures to prevent and detect unethical behavior. Furthermore, it promotes continuous training on business ethics and compliance principles. Lastly, the Group strongly encourages the reporting of any irregularities through secure channels, ensuring protection for whistleblowers.

100%
Contracted qualified suppliers registered on the Open-es platform

50%
Inclusion of ESG reward criteria in private procedures adopting the most economically advantageous offer

8 ISO schemes
Integrated Management System – Class A

Publication of
Manifesto Zero Corruption

Publication of the
Supplier Code of Conduct

Publication of
ESG Statement

Publication of
Stakeholder Engagment Policy

Publication of
15 new guidelines
issued between 2022 and 2024

Offices of the Mont Blanc Tunnel Company, Aosta Valley

Suppliers

SUPPLIER CODE OF CONDUCT

The Supplier Code of Conduct is a document geared towards the supply chain that outlines the basic expectations for supplier conduct. All suppliers are required not only to accept, share, and comply with the principles of the Code, but also to commit to promoting them among their own suppliers and subcontractors.

KEY PRINCIPLES SET OUT IN THE CODE

Protect human rights, ensure the well-being of workers, and provide fair working conditions.

Guarantee all workers a living wage.

Use natural resources consciously and optimize their efficiency along with that of the materials used.

Use water responsibly.

Preserve and protect biodiversity and safeguard ecosystem functionality.

Commit to mitigating climate change.

Exert a positive influence on local communities.

autostrade per l'Italia

Codice di Condotta Fornitori del Gruppo ASPI

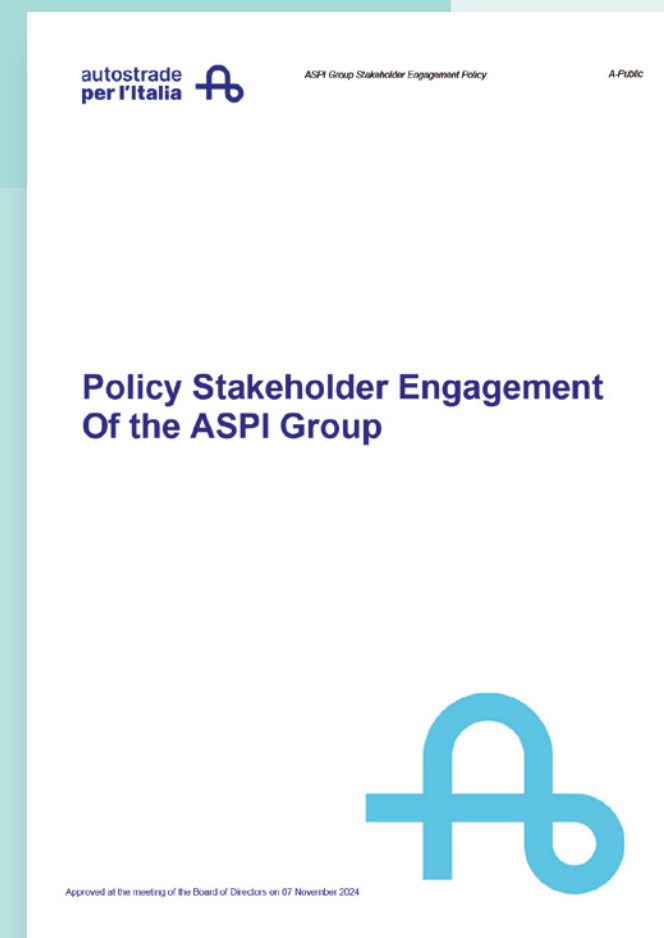*Download the Supplier Code of Conduct*

Suppliers

STAKEHOLDER ENGAGEMENT POLICY

The importance of engaging stakeholders throughout the entire value chain on ESG topics, the evolving regulatory landscape with the requirements of the Corporate Sustainability Reporting Directive (CSRD), and the demands of major ESG ratings have made it appropriate to draft a Group Stakeholder Engagement Policy, to be subsequently published on the corporate website.

This policy aligns with:

▶ the company's mission;

▶ the materiality analysis;

▶ the internal and external regulatory framework.

autostrade per l'Italia   ASPI Group Stakeholder Engagement Policy   A-Public

Policy Stakeholder Engagement Of the ASPI Group

Approved at the meeting of the Board of Directors on 07 November 2024

Download the policy ↗

GENERAL PRINCIPLES

The policy states the following key principles:

▶ **transparency**

▶ **respect of the rights** of people, communities and culture

▶ **innovation**

▶ **legality** withing the interactions between the Group and its stakeholders, in alignment with the Ethics Code

CSRD
Corporate Sustainability
Reporting Directive

Principali Gruppi quotati

BUSINESS OECD

CDP

S&P Global Ratings

AGENDA 2030

ASPI'S TAX STRATEGY

TAX APPROACH AND MANAGEMENT

ASPI's tax strategy is aimed at responsible and transparent tax management that serves both corporate and stakeholder interests, ensuring compliance with regulations while promoting long-term sustainability.

Collaboration with Tax Authorities

ASPI maintains a transparent relationship with the Italian Revenue Agency by participating in the cooperative compliance regime.

Integrity

The company complies with tax laws while upholding values of honesty, optimizing its tax burden in a legal and sustainable manner.

Risk Management

ASPI has implemented a Tax Control Framework (TCF) to ensure regulatory compliance and proactive tax risk management. The Tax Risk Officer function continuously monitors and updates the control system.

Stakeholder Engagement

ASPI ensures sharing of tax practices with stakeholders and closely monitors regulatory developments to align with their expectations.

Sustainability and Transparency

ASPI integrates taxation into its ESG strategies and discloses its tax contributions through the Total Tax Contribution (TTC) methodology, highlighting both taxes paid and those collected on behalf of tax authorities.

99% of taxes accrued and paid in Italy

A10 Arenzano

ASPI'S INTEGRATED MANAGEMENT SYSTEM

A Continuous Improvement Journey

PLAN

1.1 Context and stakeholder analysis highlights external and internal changes — economic, social, regulatory, and technological. These developments are incorporated into the Integrated Management System (IMS) Manual.

1.2 Top Management demonstrates leadership and commitment by defining the policy, objectives, and principles of the IMS, ensuring the availability of resources, assigning and communicating roles and responsibilities within the organization, and promoting active participation.

1.3 Risks and opportunities related to the IMS are identified using the Enterprise Risk Management (ERM) methodology. Results are presented in the Risk Profile Report and the Top Risk Handbook.

1.4 Trained human resources and appropriate material, financial, and technological resources are used to achieve the defined objectives and to support communication with all stakeholders.

DO

2.1 ASPI schedules activities to be carried out on various processes in accordance with operational methods formalized in Manuals, Guidelines, Procedures, and Operating Instructions.

2.2 ASPI carries out activities according to the timelines and methods established during the planning phase.

CHECK

3.1 The Certification Body conducts certification audits to confirm the company's ability to comply with international standards.

3.2 ASPI regularly conducts internal audits (97 in 2024) to assess the level of integration between various systems and the performance of the IMS.

3.3 The Integrated Review provides input for corporate decision-making processes, progress status of initiatives and strategic projects, and monitoring of specific KPIs.

3.4 Continuous monitoring enables the simplification of process controls, as well as the analysis and resolution of any anomalies.

ACT

4.1 ASPI carries out follow-up activities regarding the implementation of corrective/improvement actions identified as a result of audit findings.

4.2 The maturity level of the integration of the company's management systems, as assessed through the IMQ/IMS Rating, was rated Class A, with 8 integrated ISO schemes and a score of 97.32% as of July 2024.

ENVIRONMENT:
HOW WE REDUCE OUR IMPACT
ON THE ENVIRONMENT

A14 Grottammare

FOR A SUSTAINABLE, SAFE AND DIGITAL MOBILITY

As the leading toll road operator in Italy, Autostrade per l'Italia is committed to promoting sustainable, safe, and climate-resilient mobility.

Since the beginning of its sustainability journey in 2020, ASPI has incorporated two pillars of ambition into its strategy.

1. Mitigate climate impacts by reducing the carbon footprint and developing sustainable mobility models. ASPI has developed a clear strategy to achieve progressive reduction targets for its direct and indirect emissions, in line with SBTi standards, with milestones set for 2030, and aligned with the long-term "Net Zero" goal for 2050.

2. Ensure the adaptation and resilience of its infrastructure to climate change. The lifespan and resilience of bridges, viaducts, tunnels, barriers, and facilities are supported by innovative and digitized activities and solutions.

>50% production
of warm mix asphalt
compared to the production total of Amplia in 2024

4 certified projects
ENVISION in the last three years

29 diesel-powered thermal power plants
replaced as of 2024

1,714 km
Wildlife protection net installed by 2024

>95% (98% in 2024)
waste sent to recovery processes annually since 2022

160 tunnels
made more efficient with new LED lighting by 2024

30 hectars
planted as of 2024

SBTi
SBTi Near & Long Term Targets Validated

7 Amplia's production plants
converted from BTZ to LNG/LPG or Methane as of 2024

728 charging points
installed along the network as of 2024

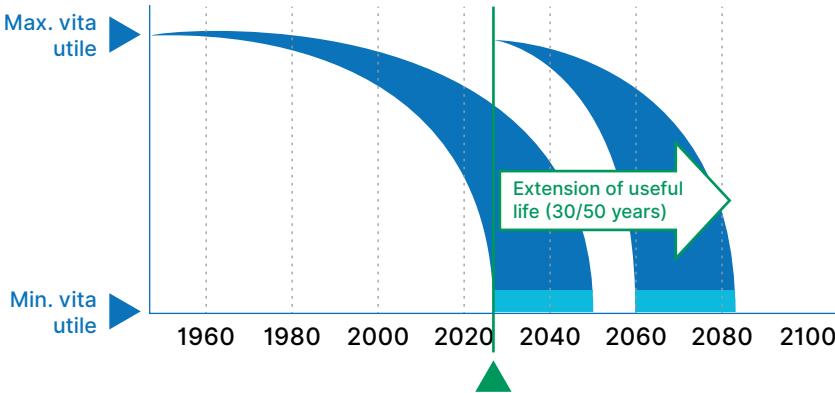**Publication
of the Climate Transition
Plan**

Institutions | **Communities and Local Areas** | **Investors and Financial Community**

CLIMATE TRANSITION PLAN

PRINCIPLES

AMBITION	ACTIONS ALONG THE VALUE CHAIN	REPORTING
Climate Ambition	Implementation Strategy & Risk Management	Measuring Progress (Targets & Metrics)
Adaptation	Financial Planning	Climate Governance
Mitigation	Engagement Strategy	Culture, Incentives & Skills

In **2021**, the Group established a baseline for Scope 1, 2, and 3 greenhouse gas emissions according to the GHG Protocol, selecting 2019 as the reference year.

In **2022**, ASPI joined the Science Based Targets Initiative (SBTi) framework, setting specific targets for reduction of emissions and participating in the Business Ambition for the 1.5°C campaign.

In July **2022**, SBTi approved ASPI's short-term 2030 targets, while the long-term targets (Net Zero 2050) received validation in April 2024.

In **2024**, Autostrade per l'Italia published its first Climate Transition Plan (CTP). The Plan defines the strategies and objectives to advance towards a low-carbon economy and adapt to climate change. The document provides details on how the the Group intends to address climate change through implementation strategies, risk management, financial planning, stakeholder engagement, governance, metrics and objectives, as well as promoting a corporate culture focused on sustainability.

CLIMATE CHANGE ADAPTATION

The ASPI Group is continuously committed to improving resilience and extending the useful life of the 3,000 km of highway infrastructure under its management, also to address the increasing challenges posed by climate change.

Max. vita utile
Min. vita utile
Extension of useful life (30/50 years)
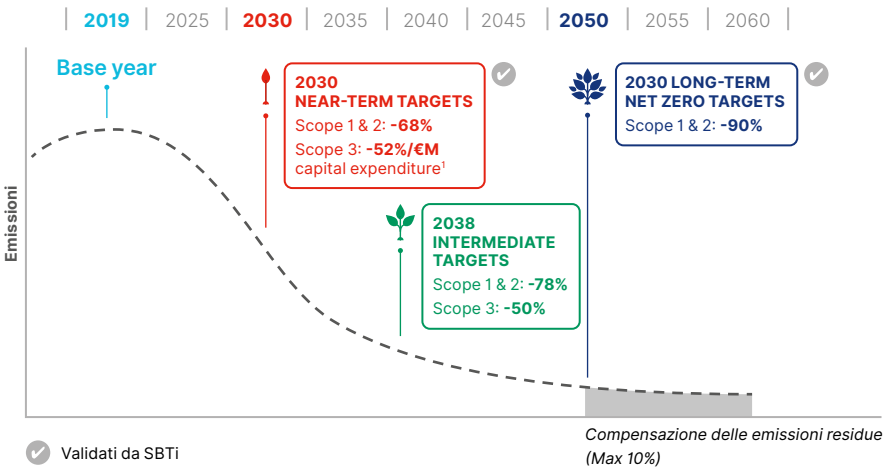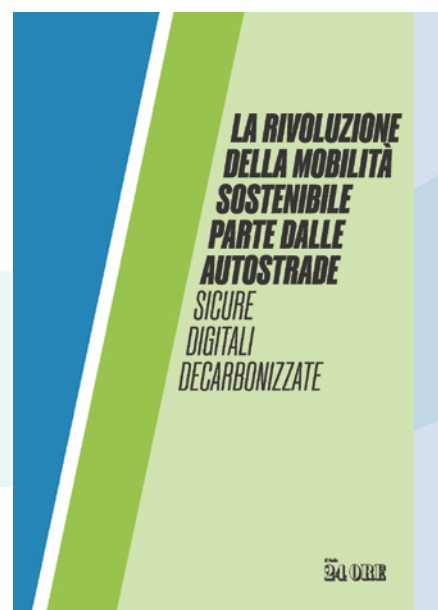1960 1980 2000 2020 2040 2060 2080 2100

CLIMATE CHANGE MITIGATION

ASPI is committed to mitigating climate change through a Net-Zero by 2050 pathway validated by SBTi.

The priorities for emission reduction include:

▶ Efficiency improvements and electrification of energy generation systems powered by fossil fuels, and the production and use of warm mix asphalt;

▶ Electrification of the vehicle fleet and installation of charging stations, and the use of biofuels;

▶ Procurement and production of renewable energy;

▶ Relamping with LED technology and installation of photovoltaic systems.

| **2019** 2025 **2030** 2035 2040 2045 **2050** 2055 2060

Base year

2030 NEAR-TERM TARGETS
Scope 1 & 2: **-68%**
Scope 3: **-52%/€M capital expenditure**[1]

2038 INTERMEDIATE TARGETS
Scope 1 & 2: **-78%**
Scope 3: **-50%**

2030 LONG-TERM NET ZERO TARGETS
Scope 1 & 2: **-90%**

Emissioni

✓ Validati da SBTi

Compensazione delle emissioni residue (Max 10%)

Institutions | Communities and Local Areas

THE REVOLUTION OF SUSTAINABLE MOBILITY

LA RIVOLUZIONE
DELLA MOBILITÀ
SOSTENIBILE
PARTE DALLE
AUTOSTRADE
SICURE
DIGITALI
DECARBONIZZATE

24 ORE

**Visit the website and
download the full book**

In 2022, ASPI contributed to the writing of the publication: *The Revolution of Sustainable Mobility Starts from Highways. Safe, Digital, Decarbonized.*

It was a research project that brought together experts from academia, research, and leading industry operators to provide an initial open and dynamic contribution to a realistic transition towards sustainable mobility.
The Group's investment plan is structured to support this transition. In fact, in 2024, investments are aligned with the EU taxonomy for over 82%.

NEXT STEPS

In 2025, ASPI will join CDP, ENI, Almaviva, Iveco Group, and the Filippo Caracciolo Foundation in the Sunrise Observatory (Sustainable Road INfrastructures), aimed at monitoring the evolution of the road mobility system and its sustainability.

TODAY, THE COUNTRY, LIKE THE REST OF THE WORLD, IS INVOLVED IN THE 7TH TRANSPORTATION REVOLUTION.

THE COMPONENTS OF THE REVOLUTION

DECARBONIZATION

AUTONOMOUS DRIVING

SMART MOBILITY

OBJECTIVES

FIT FOR 55 PROGRAM
▶ -43% Emissions by 2030
▶ **Carbon Neutrality by 2050**

SAFETY AND RESILIENCE
These are key objectives of the EU strategy for sustainable and smart mobility.

VISION ZERO
▶ -50% fatalities by 2030
▶ **Zero fatalities by 2050**

A1 highway section in Tuscany

Communities and Local Areas

A4 DYNAMIC LANE:
A MODEL OF SUSTAINABLE MOBILITY

DESCRIPTION

The system dynamically manages traffic flows on the lanes of a roadway. With the "dynamic lane," vehicles are allowed to access the emergency lane based on both predicted and real-time traffic conditions.
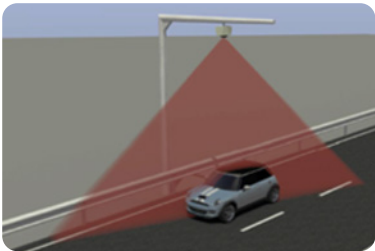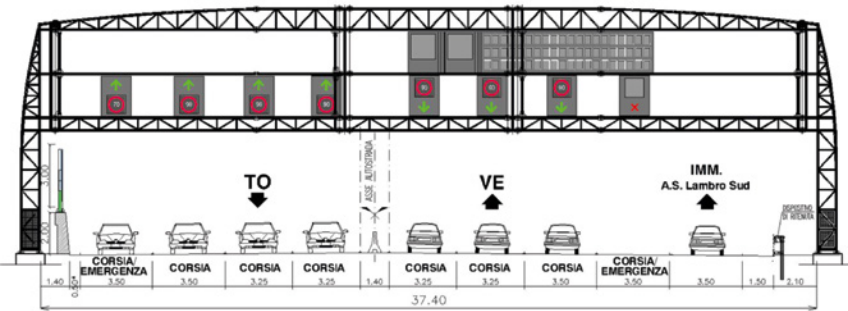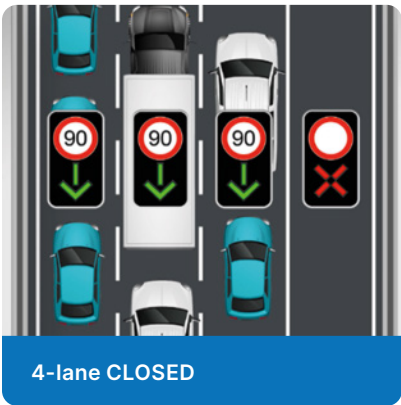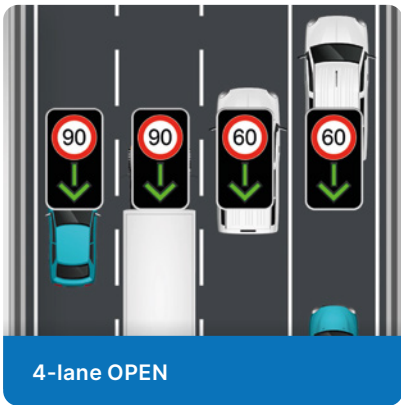
OBJECTIVES

Increase Safety: Reduce the likelihood of accidents, queues, and congestion, enhancing overall safety along the route.

Improve Traffic Flow: Increase traffic fluidity by dynamically expanding the number of available lanes, enabling and disabling access to the emergency lane based on traffic conditions.

Provide Clear Communication: Deliver clear and immediate information to drivers about lane availability and recommended speeds, helping them make informed decisions and travel more efficiently.

4-lane OPEN

4-lane CLOSED

VIALE CERTOSA - SESTO SAN GIOVANNI INTERCHANGE

The cost of
the intervention is
250 million euros.

The length is **10 Km**

Technologies used:
AID Systems, Radar, Laser Scanner

Completed in 2024

Benefits:
 -1.5 ton of CO$_2$/hour
-7% weekly travel time savings
-18% morning peak-hour travel time savings

Communities and Local Areas

CHARGING INFRASTRUCTURE IN SERVICE AREAS

Autostrade per l'Italia has developed an ambitious plan, going beyond regulatory requirements, for the installation of electric vehicle charging points along the managed highway network.

ACTIVE ELECTRIC VEHICLE CHARGING POINTS IN SERVICE AREAS

The goal is to cover 100% of suitable areas by 2029. As of now, 58% of these areas are already covered by at least one operator (with 728 charging points operational as of 31/12/2024), but the target is to reach 1,112 charging stations by 2029. This objective will be achieved through ongoing tenders awarded to sector operators for the development of charging infrastructure in the remaining suitable service areas along the network, based on the scheme agreed with the Ministry of Infrastructure and the Transport Regulation Authority (ART). The aim is to install one charging station every 34 km on average, compared to the regulatory requirement of one every 60 km — a measure that will help avoid approximately 163 ktons of CO_2 between 2024 and 2029.

● Free to X EVCPs
● Tender awarded to other players

Explore Free To X Charging Points

Free To X Charging Station

Communities and Local Areas

LED EFFICIENCY IN TUNNELS AND RE-LAMPING OF INTERCHANGES

LED in tunnels

The project started in 2022, concerns the replacement of the current 32,000 lighting fixtures with LEDs in 450 tunnels of the ASPI motorway network. Furthermore, the project includes the creation of a "smart" regulation system which, having acquired the real external weather conditions using luminance probes, will be able to regulate the brightness in real time.

Junction Relamping

The project involves the replacement of the current 13,500 lighting fixtures with LED units (relamping intervention). Additionally, the initiative includes the re-design of the lighting system at highway junctions, ensuring compliance with the current industry standards (UNI 11248 Standard).

The investments, in addition to improving visual comfort for users, also reduce electricity consumption.

2022	2023	**2024**	
39	99	**160**	

A1 Santa Lucia Tunnel

Institutions | Communities and Local Areas

ENVISION PROTOCOL

To ensure the highest standards of sustainable design, Autostrade adopts the **Envision protocol**. This is the first international certification system for evaluating the sustainability of infrastructure. Envision takes a holistic approach to infrastructure development, focusing on its long-term sustainability from environmental, social, and economic perspectives.

Since 2022, the Group has obtained **Envision certification** for some of its major infrastructure projects and has completed the drafting of Guidelines aimed at incorporating sustainability principles into all projects carried out by the Group. This also includes the application of a document for the evaluation and implementation of the **Envision protocol** in the **Tunnel Assessment Plan**, followed by the certification of the first pilot tunnel expected by 2025.

ENVISION

Envision Certifications

| PLATINUM AWARD | PASSANTE DI BOLOGNA |
| APRIL 2022 |

| GOLD AWARD | GRONDA DI GENOVA |
| DECEMBER 2023 |

| SILVER AWARD | A13 BOLOGNA-FERRARA |
| DECEMBER 2023 |

| GOLD AWARD | BELLOSGUARDO SERVICE AREA |
| DECEMBER 2024 |

Guidelines for the Application of the Envision Protocol to Highway Infrastructure
March 2023

Evaluation Document for the Application of the Envision Protocol to the Interventions of the Tunnel Assessment Plan
December 2024

Communities and Local Areas

ASPHALT: A SUSTAINABLE SURFACE

Reduce emissions and increase recycled material.
The response from ASPI comes from Warm Mix Asphalt, produced by Amplia.

+ Road Safety

- CO₂ Emissions

- Fuel consumption

Warm Mix Asphalt, according to literature sources, reduces CO_2eq emissions by at least 10% compared to traditional asphalt mixes. In fact, the warm asphalt mixture is produced through processes that, with the use of chemical additives, significantly lower the operating temperatures compared to those typically applied in the production of traditional Hot Mix Asphalt (HMA).

ASPI has developed a specific Environmental Asphalt Rating (EAR) index to assess the environmental impact of bituminous mixtures, as part of the HiPER project, which considers all stages from material procurement to on-site laying. Regarding this parameter, WMA (Warm Mix Asphalt) instead of HMA (Hot Mix Asphalt) results in an approximately 3% reduction in impact.
Starting in 2023, following the results of experiments conducted by ASPI, Amplia began a gradual process of adopting WMA technology in its production plants. By 2024, over 50% of production was warm mix asphalt, amounting to about 1.3 million square meters of pavement restoration work carried out on the network. Additionally, recycled milled asphalt is being used in the mixtures in increasingly higher percentages. Currently, a 20% recycled content has been achieved, with ongoing experiments to increase this further.

Variable Message Sign along the highway network

Communities and Local Areas

SUSTAINABLE PRODUCTION

Amplia's challenge begins with the conversion of its plants.

In 2021 Amplia, the Group's construction company, launched the LNG pilot project for powering asphalt production plants used for road paving.
This project involved replacing BTZ fuel oil (Low Sulfur Fuel Oil) with LNG (Liquefied Natural Gas at temperatures below 160°C) to power the thermal plants and burners at the Zola Predosa facility.

The outcome confirmed that replacing BTZ fuel oil with a lower environmental impact energy source — such as LNG, LPG, or methane — represents a sustainable alternative to be progressively implemented across the company's other facilities.
In 2024, Amplia completed the conversion of seven plants: one to LNG, three to LPG, and three to methane.

UBOLDO

TREZZO

PONTENURE

ZOLA PREDOSA

RIMINI

AREZZO

LORETO

MAGLIANO SABINA

ORTONA

ANAGNI

MARCIANISE

ANDRIA

● Plant converted to LNG

● Plant converted to LPG

● Plant converted to natural gas

● Plant to be converted

IN CALENZANO, THE FIRST 700KW PHOTOVOLTAIC PLANT BY ELGEA

At the beginning of 2025, the first photovoltaic plant entirely built by Elgea, Autostrade per l'Italia Group's company dedicated to the development and implementation of innovative solutions for energy production from renewable sources, became operational.

The plant, of which Elgea is also the owner, was built on the roof of the Data Processing Center (CED) in Calenzano (FI) and is part of a broader renovation project for the building. It is just the first step of Elgea's strategic plan, which aims at developing approximately 250MW of innovative photovoltaic plants to enhance underutilized areas along the highway, thereby making a significant contribution to the Group's "Net Zero" objective and to the decarbonization of the Country.

1,300
with 555Wp photovoltaic modules

700kWp
of total installed power

900MWh
of energy generated per year

-8,000
tons of CO_2 over 25 years

People | Communities and Local Areas

BIODIVERSITY

In the context of natural resource conservation projects, the Group, in collaboration with WWF Italy, renews its commitment to environmental protection and biodiversity. The project, born from discussions with CSR Europe, from the collaboration between the QHSE Department and WWF Italy, and the related operational activities of analysis and monitoring, aims to define an action plan to achieve significant conservation goals.

In particular, the work focused on:

▶ **Mapping of the natural oases and protected wildlife species** that thrive in the vicinity of our highway network;

▶ **Monitoring of wildilife passages**;

▶ **Implementation of wildlife protection barriers and environmental impact assessments in construction sites**.

LA TUTELA DELLA BIODIVERSITÀ
L'impegno di Autostrade per l'Italia

- Promuoviamo la consapevolezza ambientale sui temi della biodiversità
- Collaboriamo con istituzioni, amministrazioni e stakeholders favorendo un approccio coordinato e completo
- Applichiamo la "gerarchia della mitigazione" nell'esercizio e nello sviluppo dell'infrastruttura, riducendo al minimo i danni all'ambiente
- Perseguiamo per ogni progetto realizzativo il principio "no net loss" e, quando possibile, il "net positive"
- Preserviamo la biodiversità presente in prossimità delle infrastrutture.
- Tuteliamo la fauna e la sicurezza degli utenti implementando iniziative come la creazione di barriere anti faunistiche e passaggi sicuri, e ne monitoriamo gli impatti attraverso appositi KPI

autostrade per l'Italia

⧉ **Download Biodiversity Manifesto**

WATER

The responsible management of water resources represents an urgent need and a collective challenge. The Group has launched a structured plan for the continuous monitoring of water resources, with the goal of identifying potential leaks and optimizing overall water consumption.

Additionally, a pilot project has been launched to implement telemetric meters to promptly detect any leaks.

In January 2025, the first manifesto for biodiversity protection was published, promoting environmental awareness at Autostrade per l'Italia.

In continuity with the activities of 2023–2024, in the 4th Quarter of 2024, an analysis to identify any protected areas and species located near the main ongoing construction sites began. Subsequently, the main potential impacts on biodiversity will be identified, with direct involvement of WWF Italy.

INNOVATION AND DIGITALIZATION: HOW WE ARE PREPARING FOR THE FUTURE

Control Room for Traffic Management

FOR SUSTAINABLE, SAFE, AND DIGITIZED MOBILITY

The Group recognizes the importance of innovation, research, and development in addressing the current challenges in the infrastructure and transportation sector. In a rapidly evolving context, characterized by technological advancements and increasing user expectations, the company is committed to investing in cutting-edge solutions to ensure safer, more efficient, and sustainable mobility.

79%
digital coverage in 2024
vs 60% in 2022

+4,000
bridges, viaducts, and overpasses digitized on ARGO

+570
tunnels digitized on ARGO

Navigard
Developed the Navigard program for road safety

Smart City
The Smart City Genova project is on-going, aiming to transform the city into a data-driven ecosystem

Dynamic 4th Lane
The first 10-kilometer section of the dynamic fourth lane on the A4 motorway, between the Viale Certosa and Sesto San Giovanni interchanges, has been opened to traffic

Autonomous Driving
The experimentation of autonomous driving, for the first time on a highway section open to traffic

DIGITALIZATION OF MOTORWAY INFRASTRUCTURES

Italian motorways are the oldest in Europe: by the late 1970s, 85% of the network had already been built.

They are also the most fragile due to the unique configuration of the territory and the most heavily trafficked: **approximately 40,000 vehicles** pass on each kilometer of the network every day. This is why our motorways need to be modernized and strengthened through cutting–edge technological solutions.

Today, we can improve the safety and sustainability of infrastructure through:

▶ IoT sensors installed on the infrastructure to monitor parameters of bridges, viaducts, and tunnels;

▶ Drones inspect the structures, take photos for defect recognition, and allow the creation of a digital twin. With the collected data, it is possible to check the condition of the infrastructure and plan maintenance activities in a predictive way, effectively managing its lifecycle.

ARGO is the platform for the management and monitoring of the infrastructure lifecycle

Its digital inventory stores the structural data of bridges, overpasses, viaducts and tunnels, updated in real time. Drones equipped with high-definition cameras and LIDAR lasers fly digitally scanning the works, while IoT sensors collect data on the health of the infrastructure. Through BIM (Building Information Modeling) technology, the data allows for the construction of a 3D clone of the work. Finally, an app dedicated to monitoring the infrastructure integrates all this data and supports inspectors in the field.

+4,000
Bridges, viaducts and overpasses

+570
tunnels

+650,000
components

Control Room for Traffic Management

A26 section between Borgomanero and Ghemme – autonomous driving pilot test

MOVYON
POSITIONING
SYSTEM

AUTONOMOUS
DRIVING

L3 DRIVING
AUTOMATION

AUTONOMOUS DRIVING

In 2023, Autostrade per l'Italia was the first concessionaire in Italy to allow autonomous vehicle testing on open traffic lanes, in compliance with regulation (DM 70 "Smart Road").

The trials, which took place on the A26, saw an autonomous vehicle travel a total of 50 km, including tunnels. These tests demonstrated the vehicle's ability to accurately localize itself, detect signage, and maintain autonomous driving in various operational conditions.

To improve the ability of vehicles to "read" the road and travel in complete safety, the Group is implementing systems that signal the presence of hazards such as construction sites or traffic jams in advance. Movyon, the Group's innovation and R&D company, conducted further tests in 2024, particularly in the Valsesia tunnel, to verify the reliability of precision positioning enabled by the antennas.

This initiative is part of the overall strategy of the Autostrade per l'Italia Group **to promote innovation and sustainability, integrating advanced technologies to support the mobility of the future.**

ASPI TRAVELING CONTROL CENTER

ASPI Traveling Control Center is the program aimed at using artificial intelligence applied to computer vision to support monitoring activities and maximize operational efficiency.

A van equipped with advanced systems that, during the journey, detects and reports any anomalies in real time to the relevant Branch Management, which takes action to resolve them.
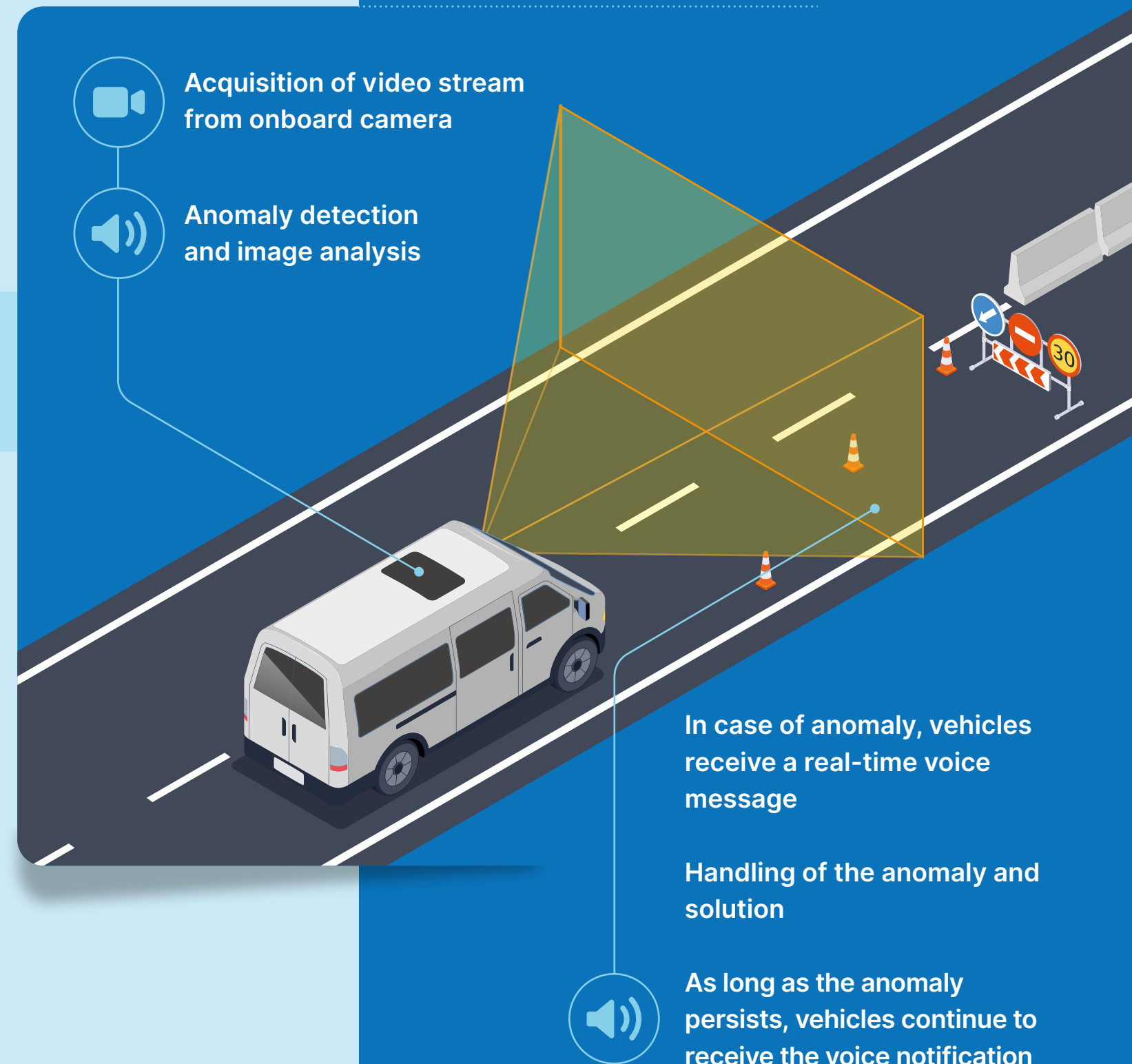
Among the installed modules:

⚠ **DETECTION** OF ANOMALIES IN CONSTRUCTION SITE SIGNAGE

💡 **COUNTING** OF LIGHTS TURNED OFF IN TUNNELS

In 2025, further functions will be developed to optimize monitoring activities and consistently ensure a higher level of service.

+9 vehicles equipped with TCC technology

📹 **Acquisition of video stream from onboard camera**

🔊 **Anomaly detection and image analysis**

In case of anomaly, vehicles receive a real-time voice message

Handling of the anomaly and solution

🔊 **As long as the anomaly persists, vehicles continue to receive the voice notification**

EUROPEAN PROJECTS

The participation to European-funded projects represents a strategic opportunity to access additional funding, collaborate with international partners, and improve market position through innovation and research.

To ensure effective and operational coordination of activities related to European projects, a dedicated structure has been set up to serve the Group.

In recent years, ASPI has secured numerous European projects, successfully participating in funding calls from the European Commission, particularly through participation in the Horizon Europe and Horizon 2020 programs for Innovation, Research, and Development, and the Connecting Europe Facility for infrastructure initiatives of common interest.

OMICRON 🕐 2021-2025

Towards more automated and optimized maintenance, renewal, and improvement of roads, with the help of robotic technologies.

HORIZON 2020 Program

LIAISON 🕐 2023-2026

Reducing the environmental impact of transportation throughout the entire life cycle of future transport infrastructure.

HORIZON EUROPE Program

NAPCORE 🕐 2021-2025

Coordination mechanism to improve the interoperability of the National Access Points as the backbone of data exchange on European mobility.

CEF Program

MATIS 🕐 2023-2027

Towards more automated and optimized maintenance, renewal, and improvement of roads, with the help of robotic technologies.

HORIZON 2020 Program

C-ROADS 🕐 2024-2027

The project ensures the continuity of the C-Roads platform, supporting the implementation of harmonized and interoperable Cooperative Intelligent Transport Systems (C-ITS) in Europe.

CEF Program

SCALE 🕐 2024-2028

Increasing the spread of Cooperative Intelligent Transport Systems (C-ITS) services and supporting the technical development and large-scale impact assessment of new C-ITS use cases.

CEF Program

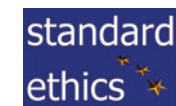A14 - Cerrano Viaduct

ESG POSITIONING

SUSTAINALYTICS

4.3

Top 2% Industry

CDP

A

Top 2% Global

standard ethics

EE

2° Corporate Rating Industry 2024

MSCI

A

Top 34% Industry

GRESB

98

4° in Europa Industry Motorway Network

A1 Reggio Emilia – Calatrava Bridge

ASSOCIATIONS

The United Nations Global Compact is a strategic initiative launched by the United Nations with the aim of promoting a sustainable and inclusive global economy by aligning business goals with those of the international community.

The CFO Coalition for the SDGs is an initiative of the United Nations Global Compact that involves Chief Financial Officers (CFOs) of global companies in promoting the Sustainable Development Goals (SDGs). Launched in 2019, this coalition aims to integrate sustainability into corporate financial and strategic decision-making, contributing to a more sustainable and inclusive economy.

The first Italian network dedicated to sustainability professionals. Founded in 2006, it is an association that brings together experts and managers working on sustainability issues within companies and organizations. Its main goal is to promote the professional development of its members and to support the spread of sustainable practices through training, networking, and the exchange of best practices.

Main European network for Corporate Social Responsibility (CSR) and sustainability. The organization supports companies and stakeholders in integrating sustainability into business strategies and daily operations. CSR Europe collaborates with over 40 national partner organizations and represents a network of more than 10,000 companies.

The OECD (in Italian OCSE, Organization for Economic Cooperation and Development) is an international organization that brings together 38 member countries, mostly high-income, to promote policies that improve the economic and social well-being of people around the world. Business at OECD is the institutional stakeholder of the private sector at the OECD. Autostrade per l'Italia chairs the Anti-Corruption Committee of the Business.

The National Center for Sustainable Mobility (MOST), through collaboration with 24 universities, the CNR, and 24 large companies, aims to encourage and support the development of modern, sustainable, and inclusive solutions for the entire national territory. The areas and fields it focuses on are many: air mobility, light vehicles and active mobility, waterway transport, railways, and new fuels. The MOST National Center aims to make the mobility system greener overall and more digital in its management.

Confindustria is the main association representing manufacturing and service companies in Italy. More than 150,000 small, medium, and large businesses voluntarily belong to Confindustria, employing a total of 5,389,972 people.

Aiscat deals with issues related to planning, design, construction, operation, maintenance, and management of highways and tunnels. Additionally, it conducts research and studies in the fields of safety, planning, and transport economics, with the main goal of contributing to improving the level of service provided to users and representing the sector on every relevant occasion.

The International Road Federation (IRF) is an association-based organization that brings together key players in the road, highway, and mobility sectors worldwide. Its mission is to promote the development of roads that enable access and sustainable mobility for all. Additionally, it compiles a collection of important statistics for the road sector (IRF World Road Statistics).

Cooperative Connected Automated Mobility (CCAM) is a non-profit international organization that brings together more than 180 parties involved in the field of connected, cooperative, and autonomous mobility. By gathering stakeholders from various sectors such as industry, research, services, public and local authorities, associations, and SMEs, CCAM aims to accelerate the development of new opportunities and partnerships in the mobility sector, sharing best practices on the subject.

CERTIFICATIONS

The Group's companies have obtained the main certifications for their businesses. The certification plan is constantly monitored and updated.

⭐ **4 Excellence Certifications**

Company	9001 Quality	45001 Health and Safety at Work	14001 Environment	39001 Road Safety	30415 Diversity & Inclusion	UNI/PdR 125 Gender Equality	37001 Corruption Prevention	31000 Risk	22301 Business Continuity	50001 Energy	27001 Information Security	55001 Asset	SA 8000
autostrade per l'Italia ⭐	★	★	★	★	★	★	★	★	★	★	★		
tecne	★	★	★		★	★	★		★			N/A	
amplia Infrastructures	★	★	★	★	★	★	★		★	★	★	★	★
movyon	★	★	★								★	N/A	
tangenziale di Napoli ⭐	★	★	★	★			★		★	★			
sat ⭐	★	★	★	★					★				
rav ⭐	★	★	★	★									
giovia	★	★	★								N/A	N/A	
sitmb	★	★	★								N/A	N/A	
FREETOX	★										N/A	N/A	
youverse	★			N/A							N/A	N/A	
elgea													

Basic Integrated Management System

Not applicable

SUSTAINABLE FINANCE FRAMEWORK AND SUSTAINABLE FINANCE

autostrade
per l'Italia

Sustainable Finance Framework
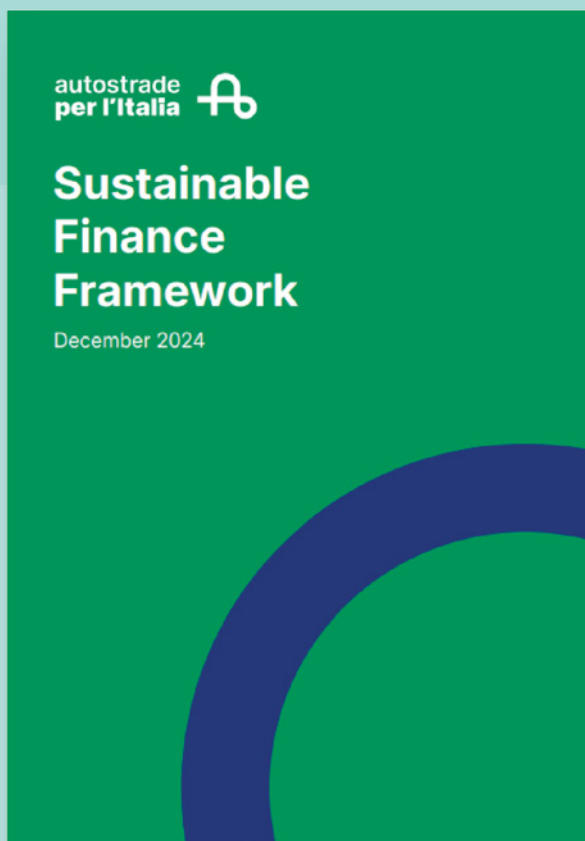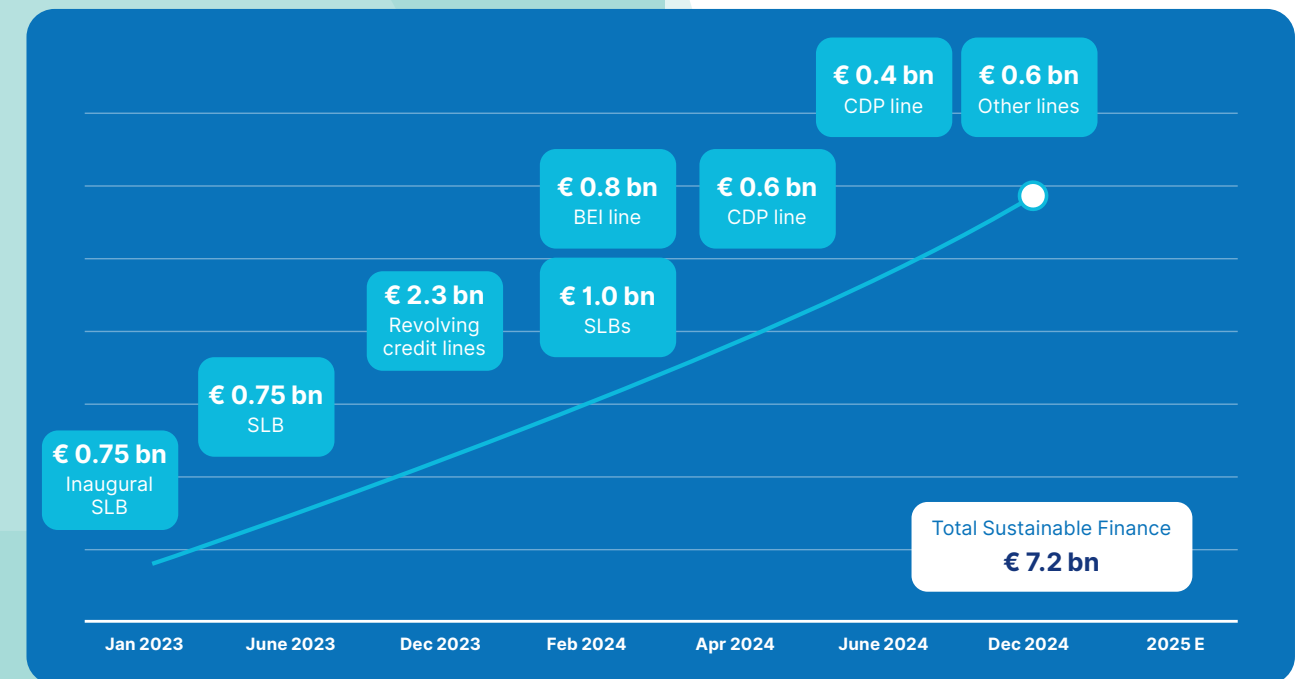
December 2024

In December 2024, Autostrade per l'Italia published an update of its Sustainable Finance Framework (SFF), reaffirming the Company's commitment to sustainable finance and further strengthening the link between financial strategies and sustainability.

📤 *Download the Sustainable Finance Framework 2024*

In addition to sustainability-linked bonds, the new Framework enables ASPI to issue Green financing instruments, in line with the objectives of the Climate Transition Plan.

The consistency of the new Framework was also confirmed by the Second Party Opinion issued by Moody's, one of the leading providers of investor services, including those focused on Sustainability-related topics.

WHAT'S NEXT-ONE PAGE SCORECARD 2025

Material topic	KPI	2024	Target 2025
E1 **Climate Change**	**Group**, Scope 1+2 GHG Emissions (kton CO_2)	54	59
	ASPI, electricity demand (GWh)[1]	170.3	169.3
	ASPI, % of awarded contracts for EV charging stations in suitable service areas[2]	12%	100%
	ASPI, signing of Power Purchase Agreement (PPA) for electricity supply[3]	–	ON
	Group, total number of diesel thermal power plants replaced	29	39
	Group, total number of tunnels upgraded with LED lighting	160	230
	Amplia and ASPI, % of warm-mix asphalt production	53.7%	>50%
E3 **Water and marine resources**	**Group**, mapping of water consumption in Section Departments	4DT	≥6DT
E4 **Biodiversity and Ecosystems**	**ASPI**, km/year of enhanced wildlife fencing	302.6	219
	Group, total hectares reforested	30	60
	ASPI, breakdown of protected species by each category identified according to the specific requirements of the UN Red List	–	ON
E5 **Use of resources and Circular economy**	**Group**, % of waste sent for recovery/recycling/reuse processes	98%	>95%

Material topic	KPI	2024	Target 2025
S1 **Own Workforce**	**Group**, LTIFR (Lost Time Injury Frequency Rate)	5.6	4.5
	Group, training hours/year per FTE	28	25
	ASPI, % of women in management positions	23.6	24.2
S1 & S2 **Own Workforce and workers in the value chain**	**Group and third parties**, near miss/accident ratio	2.3	>2.4
	Group, number of safety walks	2,346	>3,000
	Ditte terze, LTIFR	4.3[4]	3.9
S3 **Affected communities**	**Group**, Number of students involved in the "Safety in Schools" Project – 2024–2025 edition	–	10,000
S4 **Consumers and end-users**	**ASPI**, % of complaints/reports/suggestions managed within 10 days	–	85%
G1 **Business conduct**	**Group**, # of ESG corporate documentations published	4	≥8
	ASPI, inclusion of ESG rewarding criteria in tenders issued and awarded in 2025 using the most economically advantageous offer criterion	–	75%
	ASPI, integrated audits on third parties	9	13
	Group, Definition of AI Guidelines	–	ON
ENTITY SPECIFIC **Innovation and digitalization**	**ASPI**, digital coverage	79%	79%

1. It includes consumption of purchased energy and self-consumption.
2. Excluding possible appeals or deserted tenders.
3. The PPA will cover 25% of the energy needs from the moment of activation.

autostrade
per l'Italia

On the cover: A1 - Tuscan section