Increased use of private vehicles

2019
33 Mil
shared trips in Italy in 2019

Increased urban and suburban road freight transport

2050
+50%
population will live in urban areas
2025
39.1 Bil connected objects in the world that will generate 57 zettabytes worth of data

2023
12.7 Mil vehicles connected in Italy

2030
50% L3-L4 self-driving vehicles

2030
3 Mil charging points in Italy

2030
80,000 hydrogen-powered heavy vehicles in Europe
Autostrade Tech

- Centre of excellence for research and innovation
- Technological spin-off of Autostrade per l'Italia
- Leader in the development and integration of Intelligent Transport Systems
150 employees

technology of 75% of Italian toll lanes and 1 Bil yearly transactions

100 Mil Euro turnover in 2020

4,000 active monitoring systems, 1,000 tutors

10 Mil on-board devices for dynamic collection operating throughout Europe
INNOVATION & RESEARCH

GROWTH
- 200 people in 2021
- Milan branch
- Turnover doubling
- 200 Mil
- Urban and global non-captive market

25 Mil Euro for research and development in 2024

Open innovation
industrial partnerships, incubators, top start-ups, universities, research centres

INTELLIGENT SOLUTIONS
- Smart mobility innovations
- End-to-end solutions: from testing to implementation

Smart mobility innovations
End-to-end solutions: from testing to implementation
OUR INNOVATION

Smart Tolling

Smart Road

Smart City

Traffic Management

Safety Management

Infrastructure Management – Argo-
INFRASTRUCTURE MANAGEMENT:
Argo, the revolution for the digitisation, monitoring and safety of infrastructures
Digitisation of inspections

Digital Twin of infrastructures thanks to Drones and Lidar Laser

AI for analysing and recognising defects

Scientific committee for the definition of monitoring models using IoT sensors

Open innovation

Optimisation of interventions

INFRASTRUCTURE MANAGEMENT
SAFETY MANAGEMENT:
Prevention and management of motorist safety
Early detection of stationary vehicles in tunnels or on the road

Interactive monitoring of heavy vehicles

Monitoring of infrastructure stress levels

Detection and tracking of dangerous goods

SAFETY MANAGEMENT
TRAFFIC MANAGEMENT:
Innovation at the service of urban and suburban traffic management
Real-time traffic monitoring and management

Integration and analysis of all data available on the Network

Dynamic pricing technologies

Traffic optimisation and reduction in any delays in travelling times

TRAFFIC MANAGEMENT
SMART TOLLING:
The evolution of toll collection systems
SAFETY TOLLING

New, faster user experience

New signage and electronic information panels

Technological renovation of lanes

New Kiosk with touchscreen monitor, contactless technology, Virtual Agent for first level support
SMART ROAD:
Smart roads to connect vehicles with the mobility infrastructure
Vehicle-to-Infrastructure devices that enable direct, real-time dialogue between vehicle and road infrastructure.

Improved travel experience.

Experiments underway on 26 km of motorway.

Increased safety through collision prevention, construction site warnings, traffic jam warnings.

SMART ROAD
SMART SERVICE AREAS:
Safety and a new travel experience
Detection, monitoring and forecasting of flows in Service Areas

Communication to drivers about of services such as parking and charging stations

Increased comfort and safety

SMART SERVICE AREAS
SMART CITY:
Technology at the service of the mobility and sustainability of urban centres
SMART CITY

- Monitoring of urban infrastructures
- Management and optimisation of traffic flows
- Access regulation through monitoring of vehicles and goods
- Increased environmental sustainability
- Smart parking