ENTi

NATIONAL
SMART TERRITORIES STRATEGY

To clear up
any queries or suggestions,
please contact us at **the e-mail:**
territorios.inteligentes@ama.pt

What is the **ENTI**?

The **National Smart Territories Strategy (ENTI)** is an initiative which seeks to digitally transform the management of municipalities and improve the quality of life of citizens. Through the ENTI, municipalities will be able to access advanced technology and digital tools that help to make more informed and efficient decisions.

This project was approved by the government and its main objective is to make Portugal a digital and intelligent nation, with a network of connected territories that provide inclusive and sustainable economic development, with interoperable services focused on citizens and businesses, contributing to more informed decision-making and the smart management of essential resources.

What are the **benefits** of the ENTI?

- **More efficient management of territories:**
  It facilitates access to information from different sources, both public and private.

- **Decisions which are better suited to needs:**
  It tests the impact of measures before they are implemented, helping to make better decisions for citizens' lives.

- **Digital training and literacy:**
  The ENTI trains both policymakers and citizens so that everyone can actively participate in the creation of smarter territories.

- **Innovation:**
  It stimulates innovation and entrepreneurship, encouraging the creation of new services and solutions based on open data.

- **Security and protection:**
  It improves the response capacity in emergency situations through integrated monitoring systems.

- **Circular economy:** It helps to manage resources more efficiently, promoting sustainable practices and the circular economy.

Main initiatives of the ENTI:

Urban Management Platforms (PGU):
Systems that allow local authorities to manage areas such as mobility, public lighting, waste management and other urban services in an integrated manner. These platforms help improve the quality of public services and cut operating costs.

Smart Territories Portal:
The portal where the community linked to smart territories can find useful information, share experiences and good practices, participate in events and form partnerships.

Digital Twins:
These virtual models replicate physical infrastructures (such as water or energy networks) to enable simulations and testing before making interventions in the real world. This helps predict the impact of changes and optimise resource management.

Training and Mentoring:
Municipalities will be able to benefit from training programmes which prepare technicians to apply the best practices for smart territorial management.

The ENTI promotes the sharing of data and knowledge at municipal, regional and national levels, where technology technology acts as a facilitator to ensure more efficient decisions that make citizens' lives easier.

Practical cases of the application of the ENTI:

Did you know that with the implementation of the ENTI you can benefit from resources in the following areas?

♻ Environment

Air quality:
Using sensors to measure air pollution in real time, allowing you to identify sources of pollution and take measures to improve air quality;

Water:
Use of sensors to measure soil moisture levels and to control any ruptures in the automatic irrigation of green spaces, reducing the consumption of water and human resources;

Waste:
Implementation of smart systems to measure the filling level of containers and optimise collection routes, reducing the environmental impact and increasing efficiency.

Economy

Energy management in buildings:
Use of automation systems to monitor lighting, heating and air-conditioning according to space occupancy and climate conditions, cutting energy consumption and operating costs.

Governance

Urban planning:
Use of simulation models to assess the impact of different urban policies, such as the construction of new infrastructures or the implementation of new laws, allowing data-driven decisions to be made;

Transparency and citizen participation:
Use of digital platforms to promote the participation of citizens in decision-making and increase the transparency of government processes;

Crisis management:
Using real-time monitoring systems to detect and respond to crises, such as natural disasters or pandemics.

Mobility

Smart public transport:
Using mobile applications to provide real-time information about public transport timetables and optimise routes by integrating different means of transport;

Shared bicycles and cars:
Implementation of vehicle sharing systems to reduce the need for car ownership and improve urban mobility.

Quality of Life

Optimised equipment management:
Making easier access for citizens and the optimisation of resources more feasible.

Society

Coordinated events management:
Use of platforms to manage the various entities involved and share information with citizens.