Torres Vedras City – Portugal
Mobility in the City
Torres Vedras 400 km² | 79 503 inhabitants | 46 km away from Lisbon
Territory Highlights

- City Center with 20,000 inhabitants.
- Public bike sharing system, with conventional bikes and e bikes.
- Electric Mobility, car charging points network.
Territory Highlights

• 20 km of coastal area
• More than 20 beaches
• Quality Coast destination
• Wave potential evaluated in 20MW per each km of coast. This means that the 20 km available could in theory, supply about 50% of the total needs of the region.
Territory Highlights

Wind Energy

There are 9 large wind parks adding up to 112MW installed and responsible for the production of 332 GWh, representing 100,5% of the total of electricity consumption in the region.
Territory Highlights

Photovoltaic

- Torres Vedras has an average of 2479 hours/year of clear sky and 145kcal/cm².year of solar radiation.

- The PV plants count with a number of 328 installations adding up to 1.1MW, responsible for an estimated production of 1760 MWh, which represent 0.11% of the total energy consumption.
"NEW PARADIGM OF MOBILITY IN CITIES"

The Citizen in the Center of Mobility Options
PUBLIC PARKING SPACE ORGANIZATION

10 parking areas A to J

- Residents areas
- Rotation areas
- Mixed areas
- Loading and Unloading areas
- Reserved areas for people with disabilities
- Free areas

Signaling

Parking Seals (residents and businesses) - 5194 distributed

RATIONAL USE OF PRIVATE TRANSPORTS
Parking and Traffic Planning
Recovery urban living space
RELEASE THE FUNCTION PEDESTRIAN IN THE SIDEWALK

Before

After
Relocation of City Bus Station, next to parking space - park and ride with 1000 vehicles parking capacity.

Removing vehicles from the city center, with benefits related to the reduction of CO2 and noise emissions.
INTERMODALITY
Shared public transport

Car Sharing - MOOVÉoeste

Bike Sharing - Agostinhas
Soft Moods
Public Bike Sharing System

With provision of electric and conventional bicycles. The solution is available in the city in a circulation area of 8 km². The system is in operation since June 2013, the bicycles “Agostinhas" are available every day of the week between 8h00 and 20h00, to citizens over 14 years, the maximum period of uninterrupted use is 4 hours, after which the bicycle must be returned to any Bike station.
Soft Moods
Public Bike Sharing System
Easy to Use

The system operation is quiet easy to the user and that does not need a high involvement.

This system ensures ease and autonomy use, without the need of waiting for a vehicle or complicated bureaucratic processes. The user has a card that can be use during 1 year, associated with an insurance. The available technology allows the user to get a bike in a bike station and return it to the system elsewhere in the city.
Soft Moods
Public Bike Sharing System
Innovation

The provision of 14 Bike Sharing parks that include 30 electric bicycles and the charging system, with electric load directly on the parking station, the charge duration is 3 to 4 hours.

It also has a system for providing power in case of network failure, through photovoltaic cells.
Soft Moods
Public Bike Sharing System
Results

• The project was crucial to change citizens' mobility behavior, reduced the number of vehicles circulating in the city, with an effective contribution in reducing CO2 emissions and noise.

• The project recorded a high number of memberships with more than 1,400 users and about 25,000 uses, after two years of operation. This huge success and the high demand was the reason to undertake the extension of the system in September 2014, creating 3 new Bike Stations and increasing to double the capacity of the 4 existing ones.

• The users already have traveled 123,690 km with this system, which avoided an estimate of 19 ton CO2 emissions.
Urban and leisure bike paths

- Continuous cycling route from Barro (with the city of Torres Vedras) to Porto Novo in the coast 38.44 Km.

- Urban bike path, in progressive construction, with a total length of 14.6 km.
WALKING
Modal Alternative for short journeys between:
Transport stations;
Public;
Public services;
School areas;
commercial areas;
Green areas
I WILL WALK TO SCHOOL

- Municipality Initiative

- Safe walking routes for escort children from the 1st cycle of basic education in the City on home course - school - home.

- All routes have accompanying for 1 or more adults. On each route there are stopping points that mark the journey times between the start and finish.

Promoting Accessibility - RAMPA

- Torres Vedras City;
- Parish Headquarters;
- Santa Cruz - coastal.

- SECTORAL AREAS:
  - Public space;
  - Edified;
  - Transports;
  - Communications;
  - Info accessibility.
Zona 30

Velocity reduction

Schools Zone
Beaches with equipment and conditions that contribute to that are accessible to all citizens:
Easy pedestrian access;
Organized parking with places people with disabilities cars;
Access level bathing area by ramp or using mechanical means;
Walkways on the sand;
Accessible toilets;
First Aid service accessible.

9 bathing areas accessible to users with disabilities, with flag Accessible Beach - Beach for All:
Porto Novo
- Santa Rita - Norte
- Santa Rita - Sul
- Navio
- Física
- Centro
- Santa Helena
- Azul
- Foz do Sizandro.
Accessible Beaches
Electric Mobility | Car charging points network.

National integrated network - MOBI.E
Allowing the supply of electric vehicles
There are 6 points of double charging available.
CARPOOLLING

CHUMS- Changing Habits for Urban Mobility Solutions Carpooling in workplaces é um projeto da Intelligent Energy Europe.

Torres Vedras participates as "observant city." Aimed at encouraging sustainable modal choices for trips home-work-home. It is the first public entity to offer its employees a carpooling system.

Carpooling is the act of combining a commuting trip = continuous or occasional ride making it more affordable and sustainable for the actors.

The contact web platform and the sharing of travel that will be used by CMTV, and SMAS Promotorres is at: http://empresas.boleia.net in operation since April 14, 2016.
Awards

The Portuguese Federation of Cycling and Bicycle users, awarded in September 2013, the municipality of Torres Vedras, the “National Prize of the Bicycle Mobility” in Local Government category.

A European Commission distinguished the municipality of Torres Vedras in the area of mobility. Received at the Forum CIVITAS 2014 held in Morocco, a prize of best practices in the field of sustainable mobility on the City Parking Management System, the strand of Technology and Innovation, which are inserted the "Agostinhas" - urban bike.

The Municipality of Torres Vedras was awarded in March 2015, with the label "Smart Project for Smart Cities", promoted by INTELI that distinguishes good practice in urban intelligence. It was awarded for the development and implementation of EMIS: integrated and centralized technology infrastructure parking management.

The purpose of the seal “Smart Project for Smart Cities” is to recognize the merit of projects that contribute to the development of innovative, sustainable, inclusive and connected cities, as well as to promote the sharing of good practices and the promotion of partnerships.

The "Agostinhas - public bicycle rental system," won the prize Energy Globe Award 2015. Portugal competed with more than 170 participating countries and over 1,500 project applications. It is more prestigious environmental premium worldwide. Distinguishes projects that preserve resources such as energy or using renewable sources or free sources of emissions.
Mobility in the City | NetWorks

Learning from the best

Share experiences and best practices

Develop joint projects
Thank you!

www.cm-tvedras.pt