



Smart Rural 21 Supporting e-mobility in Ostana

January 27th, 2022

The design process



- *Define an executive and sustainable path for freight management services and the arrival and departure of tourists*
- *Identify a management strategy for "community mobility", understood as permanent and occasional*
- *Develop an action plan for the enhancement of the experience and communication.*



Ostana Smart Village Strategy Objective

keep the village alive and give services to new and actual inhabitants through smart mobility, social housing, cultural and social innovation, forest management.

Operational objective 1.1: Sustainable mobility

In order to decrease CO2 emissions and overcrowding, Ostana intends to develop a new mobility model based on wider use of electric mobility, creation of a local car pooling system, installation of new infrastructure for recharging electric bikes and the creation of new interchange areas for intermodal mobility.



Electrification vs. sustainability

the environment protection
and enhancement of assets

as

Individual mobility vs. environment specialization

internal and external impacts
long and short term costs
energy and data network

Tree of objectives

Strategic and Specific Objectives

1. reduction of mobility linked to emissions

- 1.1 development of mobility consistent with the territory, or the use of footpaths
- 1.2 activation of individual mobility services such as e-bikes, car and van sharing, or car pooling
- 1.3 activation of electric collective public transport services

2. promotion of electric mobility

- 2.1 installation of charging points for bikes and vehicles in the various hamlets
- 2.2 development of a regulation for mobility
- 2.3 activation of a community van sharing service



Intervention Actions

- 1.1** Qualification of the path and pedestrian system inside the perimeter of residential areas in the municipal area offering an alternative mobility infrastructure for people
- 1.2** The development of a service for sharing electric bikes and electric vehicles would complement the transport needs. A sharing platform can offer the basic system for the management of the service alongside a fleet of vehicles that could also be of heterogeneous origin and ownership.
- 1.3** Connection to the regional public transport network, enhancing stops in the village and updating means of transport to eliminate CO2 emissions.



Intervention Actions

- 2.1** Infrastructure the area with recharging points, both public and private.
- 2.2** The elaboration and definition of a regulation for mobility, as well as the manifesto and programmatic path
- 2.3** Activate a “shared” and mediated use of a common vehicle / asset via a sharing platform



Intervention Sheet1

Operational plan for the activation of a community service for the transport of goods and people

- **Subject:** Cargo Vehicle / persons shared
- **Expected results**
 - Decreasing of circulating vehicles, decrease of polluting emissions
 - Innovation potential
- **Management solution:** platform for the management of booking, payment and vehicle monitoring (using applications already on the market and which can be integrated with those for e-bikes)





Intervention Sheet 2

Access Flow and Park management for visitors



- **Subject:** High flow access management to the municipal area
- **Technical Solution:**
 - o Dynamic system of booking and planning of accesses, both for parking and the use of shuttles (on cloud-web)
 - o Activation of shuttles with efficiency
 - o Sustainable economic model
- **Funds that can be activated :** To be assessed whether it is possible to activate a CoP or similar financing for the qualification of mobility infrastructures, or even in the PNRR field. For the phase of pilot study and development of services, it is possible to ask for the intervention of companies in kind or in PPP, as well as a contribution from the Chamber of Commerce or other local bodies and foundations.



Strategic Elements

- *preservation of the territory*
- *long term planning*
- *rules, habits, adhesion and trust*
- *metering and managing energy sources*
- *planned investments*





Strategie, Innovazione, Ricerca e Organizzazioni Srl
SIRIO Srl

Marco Volontà

Corso Vittorio Emanuele 44
10123 Torino
Italia

info@siriosolutions.it

