
























IRIS
smart cities

Focsani Replication Plan in a nutshell

Focsani' Replication Plan

Transition Tracks	Integrated Solutions		Follower City	
			Focsani	Status
 TT # 1 Renewables and energy positive districts	 IS-1.1: Positive energy buildings	-		
	 IS-1.2: Near zero energy districts	R		
	 IS-1.3: Symbiotic waste heat	-		
 TT # 2 Flexible energy management and storage	 IS-2.1: Flexible electricity grids	-		
	 IS-2.2: Multi-sourced district heating	R		
	 IS-2.3: 2 nd life batteries	-		
 TT # 3 Intelligent mobility solutions	 IS-3.1: Vehicle-to-grid and smart solar charging	R		
	 IS-3.2: Innovative mobility services	R		
 TT # 4 Digital transformation and services	 IS-4.1: Urban monitoring	R		
	 IS-4.2: City management and planning	R		
	 IS-4.3: Mobility services	R		
	 IS-4.4: Energy management	-		
 TT # 5 Citizen engagement & co-creation	 IS-5.1: Changing everyday energy use	R		
	 IS-5.2: Participatory city modeling	-		
	 IS-5.3: Living labs	-		
	 IS-5.4: Behaviour changing information	R		

Updated overview IRIS Inregreted Solutions Matrix – Focsani

Colour	Description
	Implementation
	Design
	Under study

Retrofitting residential and administrative buildings -Transition Track #1

Status

- IS-1.2 Near zero energy retrofit
 - Local challenge and context of the project – Rehabilitation of buildings in Romania (local + national + EU funds), existing experience & expertise (existing already rehabilitated buildings), securing funding, involving citizens
 - Elements of the replication project:
 - Studies – energy audits & technical documentation (feasibility studies)
 - Elements of the project:
 - 15 residential buildings
 - 7 public buildings (schools, etc.)
 - Retrofitting measures: energy efficiency measures (residential and public buildings) & renewable energy sources utilization for energy generation (public buildings)
 - Energy benefit - reducing primary and final energy consumption
 - Financial benefit - reducing financial resources allocated for energy bill for citizens and for Focsani Municipality itself
 - Environmental benefit – reducing pollution
 - Social benefit – increasing citizen comfort and their affordability to pay energy bills

Link between the replication project and LH Cities - Integrated Solutions that is replicated - Gothenburg Viva project.



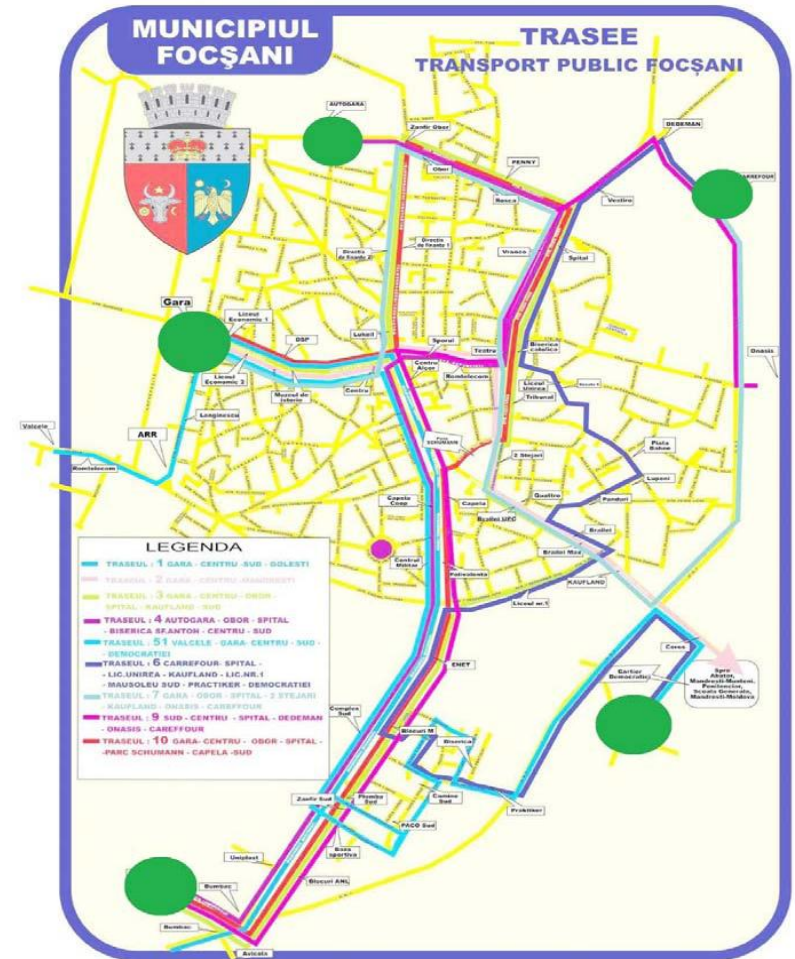
Innovative solution for mobility services

Transition Track #3 & Transition Track #4

- IS-3.1 Smart solar V2G EV's charging

Status

 - Local challenge and context of the project – Heavy traffic, pollution, time consuming, etc.
 - Elements of the replication project:
 - Studies – opportunity study & technical documentation (feasibility study)
 - Elements of the project:
 - Slow charging stations for electric buses
 - 5 Fast charging stations for electric buses
 - 4 Fast charging stations for electric vehicles
- IS-3.2 Innovative mobility services for citizens
 - Local challenge and context of the project – Heavy traffic, pollution, time consuming, etc.
 - Elements of the replication project:
 - Studies – feasibility study
 - Elements of the project:
 - Modernization of public transportation and acquisition of electric buses
 - Modernization of public transportation infrastructure
 - Implementation of a bike-sharing system



- IS-4.3 Services for mobility
 - Local challenge and context of the project – Heavy traffic, pollution, time consuming, etc.
 - Elements of the replication project:
 - Studies – feasibility study & traffic study
 - Elements of the project:
 - 2 scenarios
 - Traffic management
 - Prioritization of public transport
 - Monitoring system
 - Information system
 - Vehicle identification system
 - Control center

Link between the replication project and LH Cities - Integrated Solutions that is replicated – Smart EVs charging – Utrecht, Gothenburg & Nice.
Challenge – *charging station types issues*



Re-systematization of public transportation infrastructure in Focsani.

Discussions regarding the realization of the Focsani Replication Plan - between the representatives of Focsani Municipality, UPB, INCDE ICEMENERG - March 2021

