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E-charging infrastructure project in City Municipality Kranj

BSC, Business Support Center, Ltd, Kranj – Regional Development Agency of Gorenjska
Blanka Odlazek

10th of April 2025 | On-line

General intro about the Region

Alpine region – 70% mountainous area

Area of 2,137.00 km²

233,200.00 inhabitants (2023)

98 inhabitants/km² (2023)

1,420 EUR average net monthly income (2023)

71.7% of active working population (2023)



General intro about the city municipality Kranj

Area: 151 km²

(2023)

Inhabitants: 57,080

Population sparsity per km²: 378

Average age of the population: 42.7



Fun fact 1: 6 km from the national airport Jože Pučnik

Fun fact 2: 43 domicile, „private public“ and 15 AC public charging stations

Baseline

- The City Municipality Kranj is part of 100 Climate-Neutral and Smart Cities by 2030 initiative.



Baseline

LP local government City Municipality Kranj formed a partnership:

- City Municipality Kranj,
- the Institute for Private-Public Partnership,
- Electro Gorenjska,
- BSC, Ltd, Kranj - RDA of Gorenjska,
- company RIKO Ltd,
- Vizije Mobilnosti Ltd
- And some others (Komunala Kranj, Porsche Slovenia ...)



Baseline – 4 investment pillars

PUBLIC ELECTRIC
VEHICLES



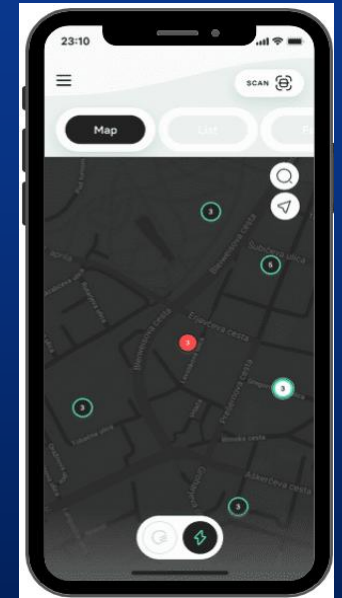
ELECTRIC
CHARGING
STATIONS



SOLAR POWER
PLANTS AND
ENERGY STORAGE



OPTIMIZATION –
MANAGEMENT
SYSTEM



Build-Transfer-Operate principle



MESTNA OBČINA KRANJ

Key goals

- Development of public infrastructure for electromobility;
- Development of infrastructure for the production of electricity from renewable energy sources
- Replacement of 130 vehicles in 3 phases;
- Reduction of air pollution,
- Savings of at least 452 MWh of energy or 150 tones of CO₂ (as much CO₂ as about 7,700 trees absorb) in 15 years.
- Energy sources with the long-term goal of local self-sufficiency in electricity;
- Promotion of electromobility.



Key milestones

Concept 2019, Decision of the City Council in November 2019

2020: Completion of pre-investment activities.

2021-2022: Purchase of equipment, land, installation, bus charging stations (ECS) operation, technical inspections, information analysis and permit acquisition

2022-2023:

- o 4 bus ECS installation, totalling 300kW charging power across two locations, each with 2 CPs and additional BEV CPs. These locations include provisions for future expansion, with one site featuring a 300kW battery storage unit and a planned 100kW solar power plant.
- o Setup of 15 ECS in the municipality for public administration car-sharing and public use.
- o Installation of 43 ECS for utility cars and public institutions' car-sharing systems.

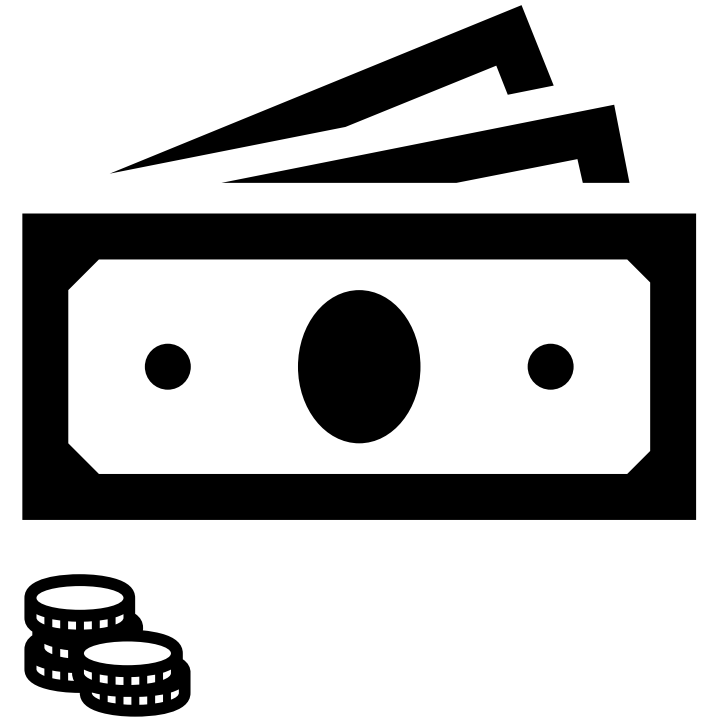


Resources needed

Investment: over 1.1 million €

Financing sources:

- Climate Change Fund;
- EU Cohesion fund / ERDF;
- ELENA Facility (EBRD) for technical assistance.



Evidence of success

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- These locations include provisions for future expansion, with one site featuring a 300kW battery storage unit and a planned 100kW solar power plant.
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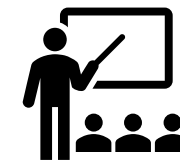
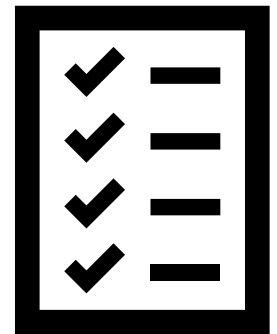
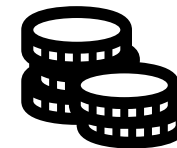
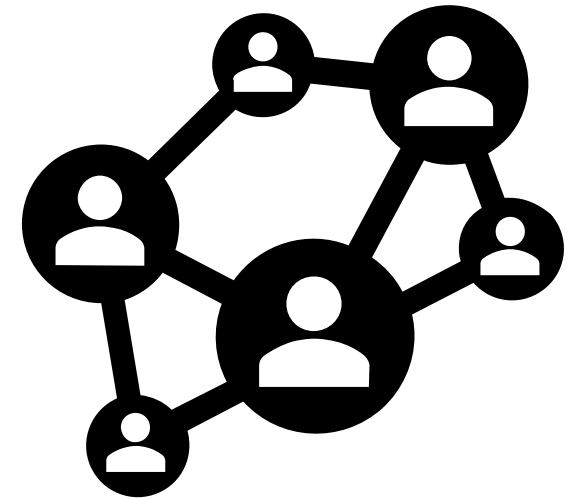
Replicability

- Legal baseline (policy, decision of the decisionmaker, strategic integral investment project planning)
- Standard public-private partnership consortium
- Use of grants and other forms of assistance: Technical assistance for this project was co-financed through ELENA Facility (EBRD).

Larger project to implement eMobility in Slovenia was encouraged and is in progress, through ELENA Facility (EIB) → 9 municipalities and 2 state owned companies (ELES – operator of Slovenia's electric power transmission system, Post of Slovenia) are joining forces to implement sustainable mobility in a similar manner.

- Enhance government, industry and community capacity

Enhancement of the capacity of the city administration and public institutions (schools, kindergartens, health care services, utilities services) in the City of Kranj. Sharing economy is enhanced.



Thank you
and
have a great day!

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