Energy Community

Transport and Energy Community Joint Workshop on Sustainable and Green Mobility

Overview of the GreenSwitch project

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based on the presentation by Simon Tot (ELES), Goran Levacic (HOPS), Damir Piric (HEP-ODS)

GreenSwitch

TEN-E Regional Group/Thematic area:
Priority Thematic Area Smart Grids Deployment

Member States: **Austria, Croatia, Slovenia**

PCI Number: **10.12-W-M-22-GreenSwitch**

Project Promoters:

ELES d.o.o. (TSO SI), HOPS d.d. (TSO HR);

KNG (DSO, AT), HEP ODS d.o.o. (DSO, HR), Elektro Gorenjska, Elektro Celje, Elektro Ljubljana (DSOs, SI);

HEP d.d. (generation, HR), GEN-I (generation, SI);

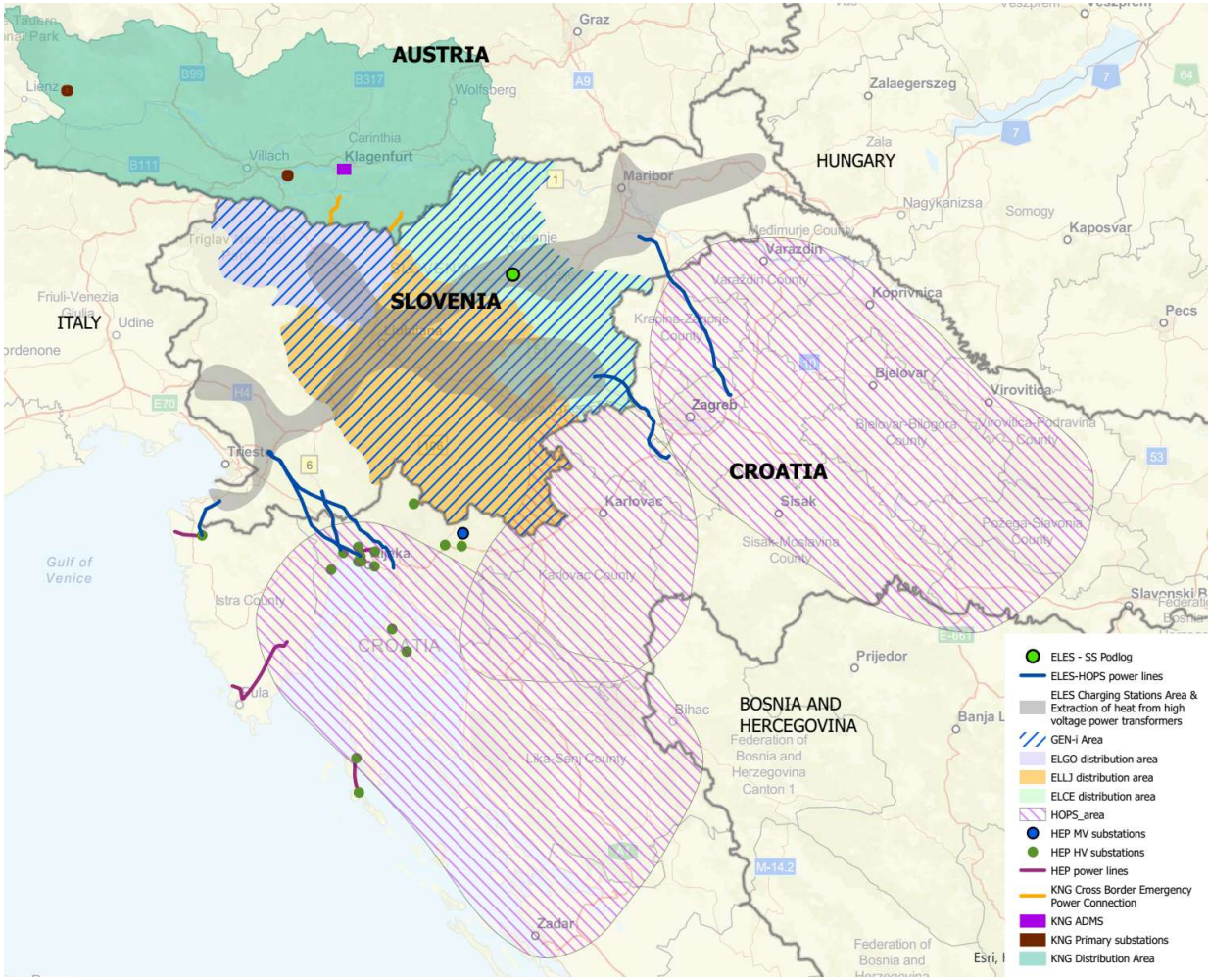
CAPEX [PCI]: 207.000.000 €

Grand Total [CEF]: 146.204.508 €

EU contribution: 73.102.254 €

Expected date of commissioning: 31/12/2028

Project website: www.greenswitchproject.eu



Main objectives of the GreenSwitch Project

GreenSwitch

Increased controllability
of the transmission grid

- Increased the hosting capacity of the existing network.
- Increase cross-border capacity

up to **10%**

lower peak demand
using flexibility sources.

up to **6 GWh**

heat production from
at 11 power transformers per
year.

Better utilization of existing
MV/LV transformers.

Grid connection for heavy
duty and fast charging
stations.

WP and related Activities

WP1	WP1 - Project management and coordination
WP2	WP2 - Increasing operational efficiency and transmission grid controllability in HR and SI
	A2.1 Power control systems in HR and SI A2.2 The HTLS conductors in HV overhead line (OHL) in Croatia, A2.3 The upgrade of DTR systems at transmission level in Slovenia, A2.4 The upgrade of transmission system applications in Croatia
WP3	WP3 - Sector coupling integration (power, heat, mobility) in SI
	A3.1 The grid connections for heavy-duty and fast-charging stations in Slovenia A3.2 Implementation of waste heat extraction systems from power transformers in SI
WP4	WP4 - Increasing distribution grid efficiency, security of supply, cross-border and RES hosting capacity in AT, HR and SI
	A4.1 Automation of seven HV/MV primary substations in Austria, Slovenia and Croatia A4.2 Automation of approx. 390 MV/LV secondary substations in Austria and Slovenia A4.3 Upgrade of Advanced Distribution Management Systems (ADMS) in Austria and Slovenia A4.4 The HTLS conductors on MV OHL in Croatia A4.5 Modernization of ICT networks in the distribution grids in Austria and Slovenia A4.6 Closing of MV loops in Austria and Slovenia A4.7 The cross-border MV emergency power connections enhancement between Austria and Slovenia A4.8 Four MV shunt reactors in Croatia

THANK YOU
FOR YOUR ATTENTION

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