

PROJECT PARTNERS

North-West Croatia Regional Energy Agency
Zagreb County
ConPlusUltra
Energie Kompass
solar.one Immo GmbH & CoKG
Local Energy Agency Spodnje Podravje
Municipality of Destrnik
Union of Bulgarian Black Sea Local Authorities
Alba Local Energy Agency
AgEnDa, z.s.

Old Town Borough of Bratislava
Slovak University of Technology
Lake Constance Foundation
Energy Agency Regio Freiburg
Sarajevo Economic Regional Development Agency
Innovation and Entrepreneurship Center Tehnopolis
Cross-border Cooperation and European Integration Agency

Croatia
Croatia
Austria
Austria
Austria
Slovenia
Slovenia
Bulgaria
Romania
Czech Republic
Slovakia
Slovakia
Germany
Germany
Bosnia & Herzegovina
Montenegro
Moldova



CSSC Lab
Innovative city
storage and sector
coupling solutions
for a greener
Europe

ASSOCIATED PARTNERS

HEP Toplinarstvo d.o.o.
Municipality of Alba Iulia
Třeboň Municipal Water Company Ltd.

City of Vienna / EU Funding Agency Ltd./ EU Strategy of the Danube Region / Priority Area 10
Gutach (Breisgau)
Municipality of Dornava
Donauesschingen
Marktgemeinde Ollersdorf
City of Zaprešić
Dobrich Municipality
3K
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Croatia
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Czech Republic
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Germany
Slovenia
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Croatia
Bulgaria
Bulgaria
Slovakia



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WHAT IS CSSC LAB?

City Storage and Sector Coupling Lab (CSSC Lab) is an INTERREG-financed project, which will run from July 2020 to December 2022. It tests and supports the roll-out of innovative city storage and sector coupling solutions at the municipal level in Europe. For this, it relies on the know-how of its 17 project partners and 12 associated strategic partners. Since the partnership is made up of representatives from 11 Danube region countries including the Western Balkans, it demonstrates the relevance of city storage and sector coupling solutions in a variety of contexts.

It is widely recognised that there is immense potential for city storage and sector coupling in small and medium-sized cities in Europe. However, for this potential to be seized, capacities must be built at municipal level. Equipping local administrations with the necessary skills to implement city storage and sector coupling solutions will help boost such initiatives. This in turn will enhance energy security and energy efficiency locally while equally contributing to meeting the EU's climate targets.

TESTING THE SOLUTIONS

In 2021, four demo sites will be set up in **Austria, Bulgaria, Croatia and Slovenia**. Each site will test city storage and/or sector coupling solutions in line with its local needs. All these solutions will be demonstrated on the CSSC Lab Platform.

In Austria, photovoltaic electricity and thermal heat will be stored for charging e-vehicles and for the heating of a renewable energy competence centre. In Bulgaria, an office building will be heated using a biomass heating unit. At the same time, photovoltaic electricity will be stored in batteries to cover the energy needs of the building and for charging e-vehicles at a public charging station. In Croatia, solar thermal energy will be captured to heat a local school building and heat will be exchanged with the district heating system during times of peak production, making the school a heat prosumer. In Slovenia, electricity will be generated with photovoltaics, stored in batteries and used to charge electric cars in the local municipality.

Find out more at
www.interreg-danube.eu/approved-projects/cssc-lab

FACILITATING REPLICATION

To ensure that the solutions are replicated beyond the four project demo sites, the project will also:

- craft and test a comprehensive training programme for municipalities, which will showcase the application of typical city storage and sector coupling solutions,
- develop a tool kit for a quick assessment of both the ecological and economic effects of a given investment,
- create action plans for each of the project regions to ensure that the newly acquired know-how is applied in practice,
- elaborate strategic recommendations within a roadmap, guiding the target municipalities in their future implementation of the city storage and sector coupling solutions,
- share all relevant material on the CSSB Lab Platform, making it accessible to stakeholders beyond the original project region.

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