

The renovation of 31 public buildings in the city of Lutsk will result in reduced heat and electricity consumption, decreased CO₂ emissions, improved learning conditions for local children, cost savings for the municipality and modern, energy-efficient public infrastructure.

The project is in line with the EU Green Deal through its contribution to climate change mitigation and transition to a green economy. It also contributes to the main policy objectives of the EU Eastern Partnership policy beyond 2020 as well as Ukraine's Nationally Determined Contribution to the Paris Agreement.



Photo: City of Lutsk



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Background

Lutsk is a city with some 217,000 inhabitants and part of the administrative centre of the Volyn region in the north-western part of Ukraine. Most of the energy consumption previously came from heating the public buildings in the city. Excessive heat and electricity losses due to worn-out facades, roofs, windows and doors, as well as high-energy intensive kitchen equipment and inefficient indoor lighting in the buildings resulted in high energy consumption.

Project information

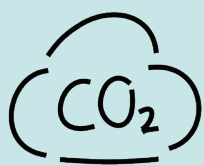
The project focused on educational, culture and sport buildings and facilities, including day-care centres, schools, art and music schools, as well as a public swimming pool. The implemented energy-efficiency measures included insulation of facades, roofs and pipes; replacement of doors, windows, kitchen equipment and indoor lighting; improved ventilation; as well as the installation of individual heat substations (IHS).

As a result of the implemented project, 27 buildings were fully renovated, 21 buildings received new individual heat substations with smart weather-dependent heat consumption regulation, and four buildings had renovated heat pipelines.

The project has a large social impact for the city of Lutsk and the renovations have benefitted over 26,000 children and teachers in the city. The renovated schools also include educational facilities for children with special needs.

The introduced improvements have significant environmental, economic and social impact, resulting in considerable heat and electricity savings and CO₂ emission reductions, and allow part of the Sustainable Energy Development Plan of the city of Lutsk goals to be met.

Expected project impact



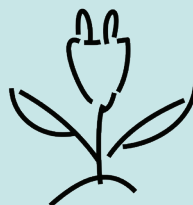
4,300

tonnes annual
CO₂ emission reductions



11,000

MWh annual
heat reductions



600

MWh annual
electricity reductions



26,000

benefitted children
and teachers

Project financing

Total investment
€ 9.5 million

Nefco loan
€ 5.0 million

E5P grant
€ 1.3 million

City of Lutsk
€ 2.8 million

Technical Assistance for Project Preparation and Implementation from Sweden
€ 0.4 million

Contributing to the SDGs

This project contributes to the following UN Sustainable Development Goals (SDGs):

7 AFFORDABLE AND
CLEAN ENERGY



13 CLIMATE
ACTION



About Nefco

Nefco is an international financial institution that finances the initial scale-up of Nordic green solutions on global markets. Founded in 1990 by the five Nordic countries, Nefco is the Nordic Green Bank - the sole financial institution in the region to provide only green financing. Nefco has financed and implemented over 1,500 projects in energy efficiency, renewable energy, clean water and sanitation, waste management, and cleaner industrial processes, among others. We serve the interests of our owners, Denmark, Finland, Iceland, Norway and Sweden, and take concrete actions to accelerate the green transition. Read more about us on www.nefco.int.

About E5P

The Eastern Europe Energy Efficiency and Environment Partnership (E5P) is a multi-donor and multi-IFI support fund created thanks to an initiative of the Swedish Presidency of the European Union in 2009. The E5P fund for Ukraine totals EUR 137.5 million, representing pledges made by the European Union, as the largest contributor, Sweden as the largest bilateral contributor to the fund, Germany, Norway, Switzerland, the United States, Denmark, Poland, Finland, Estonia, Iceland, Latvia, Lithuania, Ireland and Slovakia. Ukraine is also a donor to the E5P with EUR 20 million. The E5P grants are used alongside the IFI loans to support municipal infrastructure investments that will boost Ukraine's energy efficiency while also having a beneficial impact on the environment and combating climate change.



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