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Energy efficiency in municipalities

Cutting down energy consumption to save resources
and reduce dependencies

Commissioned by Federal Ministry for Economic Cooperation and Development (BMZ)
Partner Ministry of Regional Development, Construction, Housing and Municipal Economy of Ukraine
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Budget EUR 4 million

Success Story

A nursery school in the city of Myrhorod has undergone a comprehensive energy retrofit and a solar water heating facility has been installed. The measures also included installation of heat protecting windows and insulation of outer walls. It is now bearing fruit: the energy consumption of the building was reduced by 50%. Even in winter the room temperature does not fall below 21 degrees Celsius, and the solar water system contributes to having a year-round supply of warm water. Now the rooms are much more comfortable for children. Myrhorod has also cut down on the costs for street lighting by using solar energy in some parts of the city.



Objective

The project partner municipalities are using energy more efficiently. By doing this, they can reduce their budget expenditures and improve the energy supply to public infrastructure. This includes schools, nursery schools, other public buildings as well as street lighting.

Challenges

Ukraine is one of the least energy efficient countries in the world, if measured by the relation of primary energy consumption to GDP. Making more efficient use of locally available sources of energy can bring down costs and increase energy security.

Activities

The project advises five consortia – joint ventures of municipalities – across all parts of the country. International experts on energy efficiency help them identify potentials for energy saving and support the

implementation of appropriate measures. Trainings for employees of the municipalities are conducted in order to familiarise them with modern energy efficiency standards. Successfully implemented measures are documented and shared with other municipalities.

Results

Several municipalities have developed sustainable energy action plans, and first measures already resulted in cutting annual energy cost of the municipalities by 5-10%. Meanwhile almost all partner cities have joined the European Covenant of Mayors for local sustainable energy and have committed themselves to reducing their energy consumption by 20% until 2020. Municipal decision makers and experts are taking part in a nationwide dialogue on energy efficiency, in which they can share their knowledge and experience.

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Registered offices:
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On behalf of Federal Ministry for Economic
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Addresses of the BMZ offices:

BMZ Bonn
Dahlmannstraße 4
53113 Bonn, Germany
T +49 228 99 535 - 0
F +49 228 99 535 - 3500

BMZ Berlin
Stresemannstraße 94
10963 Berlin, Germany
T +49 30 18 535 - 0
F +49 30 18 535 - 2501

poststelle@bmz.bund.de
www.bmz.de

Energy Efficiency in Municipalities
16b, Antonovycha (Horkoho) st.,
01004 Kyiv, Ukraine
T +380 44 594 0760
F +380 44 594 0761
I www.eeim.org.ua
www.giz.de/ukraine

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