

◆ Installation of solar panels to strengthen capacities of the municipal swimming pool

Lutsk City
Ukraine



◆ Challenges

Much costs spent on communal services esp. to heat the water in the swimming pool.
Dependence on the centralized sources of energy.

◆ Affected groups

- 1 200 users: including 1 000 of teenagers and children aged from 6;
- 40 sports groups;
- 15 rehabilitation groups;
- children with disabilities;
- requests for rehabilitation from the former military who got injured in the hostilities.



◆ Institutional Setting

- ◆ Law of Ukraine "On alternative energy sources"
- ◆ Lutsk is participant of the Covenant of Mayors.
- ◆ Lutsk has Sustainable Energy Action Plan.
- ◆ Implemented project with NEFCO – thermal modernization of swimming pool (insulated facade, replaced windows, repaired roof, installed heat pumps)



Covenant of Mayors
for Climate & Energy

NEFCO

- **Actors involved:** municipality, municipal swimming pool, users of swimming pool

◆ Approach

PLAN

- to cover the needs in energy by installation of **photovoltaic panels** on the roof of the swimming pool with the capacity of 100 kW;
- to contribute to climate change mitigation by usage of solar power.

METHOD OF IMPLEMENTATION

- ✓ to develop the project in partnership with German partner Lippe District;
- ✓ to apply for funding under the Fund for Small-Scale Municipal Development Cooperation Projects of Engagement Global gGmbH.



Bundesministerium für
wirtschaftliche Zusammenarbeit
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◆ Planned outputs and benefits

- ✓ reduced consumption of traditional energy (major part of the energy needs will be covered by photovoltaic panels on the roof);
- ✓ contribution to uninterrupted work of the municipal swimming pool;
- ✓ additional capacities to develop the swimming pool due to savings.
- **Sustainability of the project:**
municipal institution will be supported and project results will be maintained from the local budget.



◆ Transfer

Project will be **easy to transfer**:

- to other municipal institutions of Lutsk;
- to other municipalities.

First steps to take:

- advertise the implemented project in social networks, media, on different venues;
- apply additional value to the project:
 - activities of promotion of alternative sources of energy, explaining the benefits;
 - distribution of promotional materials on renewables to users of the swimming pool, public.

