

# ENERGY MODERNIZATION OF THE NEW STEM EDUCATION CENTER IN LUTSK: PROMOTING CLIMATE INITIATIVES

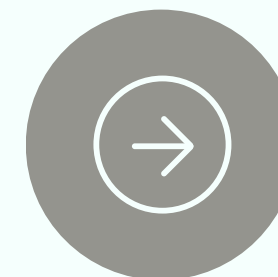


Bundesministerium für  
wirtschaftliche Zusammenarbeit  
und Entwicklung

**ENGAGEMENT  
GLOBAL**  
Service für Entwicklungsinitiativen



**SERVICESTELLE**   
KOMMUNEN IN DER EINEN WELT







Bundesministerium für  
wirtschaftliche Zusammenarbeit  
und Entwicklung

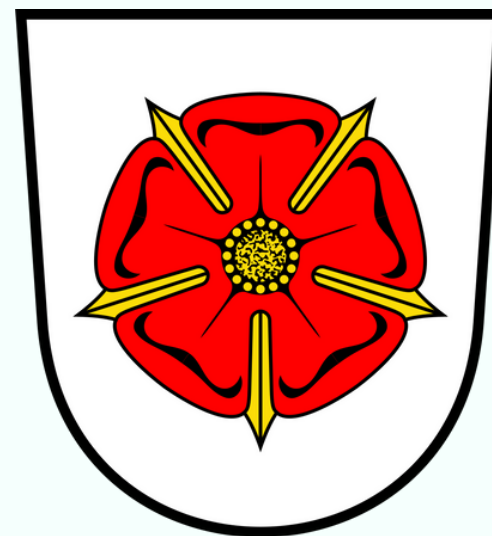
**ENGAGEMENT  
GLOBAL**  
Service für Entwicklungsinitiativen



**SERVICESTELLE**  
KOMMUNEN IN DER EINEN WELT

**Federal Ministry for Economic Cooperation and Development, represented by Engagement Global  
gGmbH / Service Agency Communities in One World  
Lead Partner: Lippe District, Federal Republic of Germany**

**Donor**



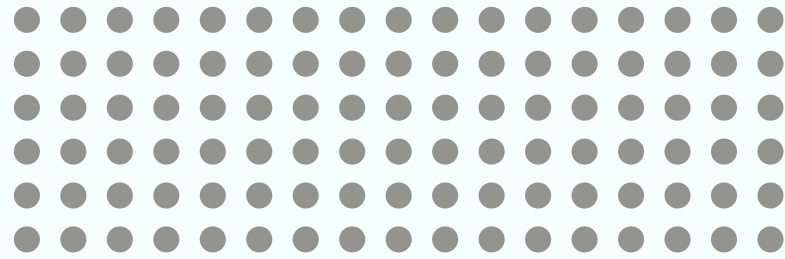
**Lippe District**

**Lead Partner**



**Executive Committee of  
Lutsk City Council**

**Partner**



Bundesministerium für  
wirtschaftliche Zusammenarbeit  
und Entwicklung

**ENGAGEMENT  
GLOBAL**  
Service für Entwicklungsinitiativen



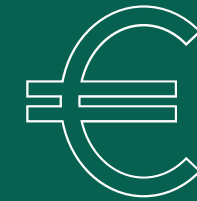
**SERVICESTELLE**  
KOMMUNEN IN DER EINEN WELT



**Project budget:  
€550,000.00**



**Grant funds:  
€495,000.00**



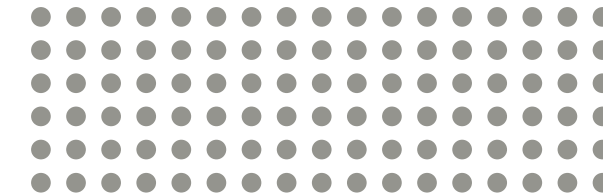
**Lutsk City Territorial  
Community contribution:  
€55,000.00 (10% of the budget)**



**Implementation period:  
March 1, 2025 - March 28, 2028**



# Planned Activities in Lutsk



## Modernization of the heating system



Installation of a heat pump



Construction of a demonstration area  
for the heat pump



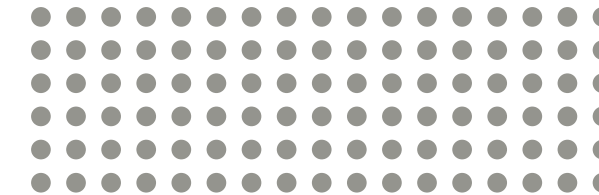
Replacement of heating pipelines and  
radiators; installation of thermostats







# Planned Activities in Lutsk



## Modernization of the power supply system



Installation of a 50 kW rooftop solar power plant with a battery system



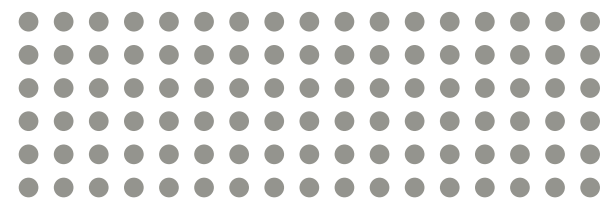
Replacement of electrical wiring and lighting fixtures with energy-efficient LED lamps





# Planned Activities in Lutsk

**Thermal modernization: insulation of exterior walls and the roof, thermal insulation of the ceiling above the unheated basement, replacement of windows and doors**



Bundesministerium für  
wirtschaftliche Zusammenarbeit  
und Entwicklung

**ENGAGEMENT  
GLOBAL**  
Service für Entwicklungsinitiativen



**SERVICESTELLE** ● ● ●  
KOMMUNEN IN DER EINEN WELT







# Planned Activities in Lutsk

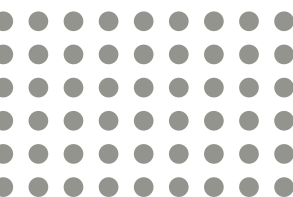
## Installation of a ventilation system



Installation of air ducts for a supply and  
exhaust ventilation system



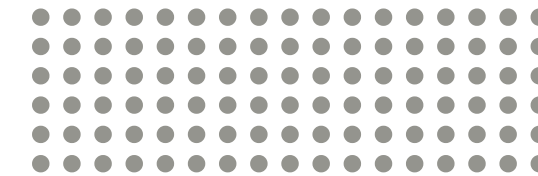
Installation of air conditioners and  
filtration units





# Planned Activities in Lutsk

Development of a green, interactive outdoor area



**Development of a  
green, interactive  
outdoor area  
featuring:**



**Benches with solar panels and device  
charging capability**



**Mechanical devices for generating  
energy**



**Wireless weather station**



**Rainwater collection tanks**



**Lawns with diverse grasses and hedges**







# Planned Activities in Lutsk



Creation of a website for the education center,  
installation of electronic information boards, and  
knowledge-sharing visits

Development of a cinema-style interactive  
learning space

