



ELENA Project Factsheet

PROGRAMME TO INCREASE ENERGY EFFICIENCY OF PUBLIC BUILDINGS AND PUBLIC LIGHTING IN BYDGOSZCZ (ENERGY BYDGOSZCZ)

Location of planned investments	The Investment Programme will be carried out in the City of Bydgoszcz, located in the Kuyavian-Pomeranian Voivodeship in Poland.
Final Beneficiary	The City of Bydgoszcz
Final Beneficiary's address	ul. Jezuicka 1 85-102 Bydgoszcz - Poland
Sector(s) of investment	Energy efficiency and renewable energy sources investments in public buildings and street lighting
Total Project Development Services (PDS) cost	EUR 2 820 000
ELENA co- financing	EUR 2 538 000
Project Development Services (PDS) financed by ELENA	<p>The City of Bydgoszcz will have to perform the following activities for the preparation of the planned investments, which will include amongst others:</p> <p>For the deep energy renovation of public utility buildings:</p> <ul style="list-style-type: none"> • Development of energy audits for public buildings, including verification and optimization of heat and electricity consumption in facilities owned by municipalities • Development of building energy performance certificates, specifying the amount of primary energy per area and with an assessment of the level of energy quality of a building • Development of profitability analyses of investments for renewable energy • Advice on the adaptation of designed and existing systems to the requirements of the Energy Law • Preparation of the necessary design documentation for the implementation of renewable energy projects - the prepared documentation will be used by the investor to implement the investment in accordance with the Public Procurement Law • Comprehensive advice on the preparation and launch of energy projects financed based on the public-private partnership (PPP) formula <p>For the comprehensive modernisation of street lighting:</p> <ul style="list-style-type: none"> • update of the energy efficiency audit of street lighting in the City of Bydgoszcz. • preparation of a feasibility study for modernisation of lighting. • Development of technical/design documentation for the modernisation of street lighting • Comprehensive advice on the preparation and launch of energy projects financed based on the public-private partnership (PPP) formula
PDS Timeframe	From Q3 2023 to Q3 2026

<p>Investment programme description</p>	<p>The main objective of the Investment Programme is to increase the energy performance of public buildings and street lighting in the City of Bydgoszcz and to improve the safety of the city's inhabitants. Thanks to the implementation of the Programme, due to lower consumption of energy, other goals will also be achieved, i.e.: reduction of expenses for heating and preparation of hot water, ventilation, lighting of buildings and street lighting. The implementation of the investment will contribute to the improvement of the natural environment by reducing CO2 emissions and improving air quality. The planned work will accelerate progress on actions to support the transition to a low-carbon economy. An additional goal is to reduce the harmfulness of the lighting process - to reduce light pollution by eliminating destructive lighting.</p> <p>The Investment Programme of the City of Bydgoszcz will cover two areas:</p> <ul style="list-style-type: none"> • Deep energy renovation of public utility buildings (mainly educational institutions) in the City of Bydgoszcz • Comprehensive modernisation of street lighting in the City of Bydgoszcz
<p>Investment amount to be mobilized</p>	<p>EUR 86.4m</p>
<p>Description of the approach to implement the Investment Programme</p>	<p>The City of Bydgoszcz plans to implement the Investment Programme in a mixed formula, i.e., part of the scope traditionally as an investor, the remaining part in the public-private partnership (PPP) formula. The private partner will be selected in a competitive procedure, in accordance with the public procurement law. It is envisaged that:</p> <ul style="list-style-type: none"> - in the area of deep energy renovation of public utility facilities - up to 5 buildings will be implemented by ordering construction works in the "build" formula, while 54 facilities will be subject to deep energy renovation in the PPP formula, - in the area of comprehensive modernisation of street lighting, the entire scope will be implemented in the PPP formula. <p><u>The stage of implementation of the deep energy renovation investment in the "build" formula for 5 public buildings:</u></p> <ul style="list-style-type: none"> • coordination of the investment process of deep energy renovation works and all entities involved, e.g., contractors, subcontractors - employees of the City of Bydgoszcz (cooperation with the contractor of construction works) • final acceptance of construction works and settlement of the investment in financial terms - employees of the City of Bydgoszcz <p><u>The stage of implementation of the deep energy renovation investment in the PPP formula for 54 public buildings</u></p> <ul style="list-style-type: none"> • cooperation with a private partner as part of the implementation of deep energy renovation of 54 public buildings - employees of the City of Bydgoszcz, in the scope of: • coordination of the investment process to the extent resulting from the PPP contract - employees of the City of Bydgoszcz • acceptance and settlement of investments in financial terms to the extent resulting from the PPP contract - employees of the City of Bydgoszcz

<p>Expected results of investments planned</p>	<p>Energy Efficiency – Annual total energy saved 39.9 GWh representing a reduction of 57% compared to the baseline.</p> <p>Renewable Energy – Annual total 1.1 GWh, of which:</p> <ul style="list-style-type: none"> • 0.1 GWh RE heat • and 1.0 GWh RE electricity generation. <p>CO₂ reductions – Annual total reductions of 16 188 CO_{2eq} t representing a reduction of 58% compared to the baseline.</p>
<p>Leverage factor (Minimum 20)</p>	<p>34</p>
<p>Status</p>	<p>Contract signed on 03/10/2023</p>
<p>Contact person at ELENA beneficiary</p>	<p>Zofia Smolińska: zofia.smolinska@um.bydgoszcz.pl</p>