



GREEN TRANSFORMATION IN ŁÓDŹ





Green transformation means:

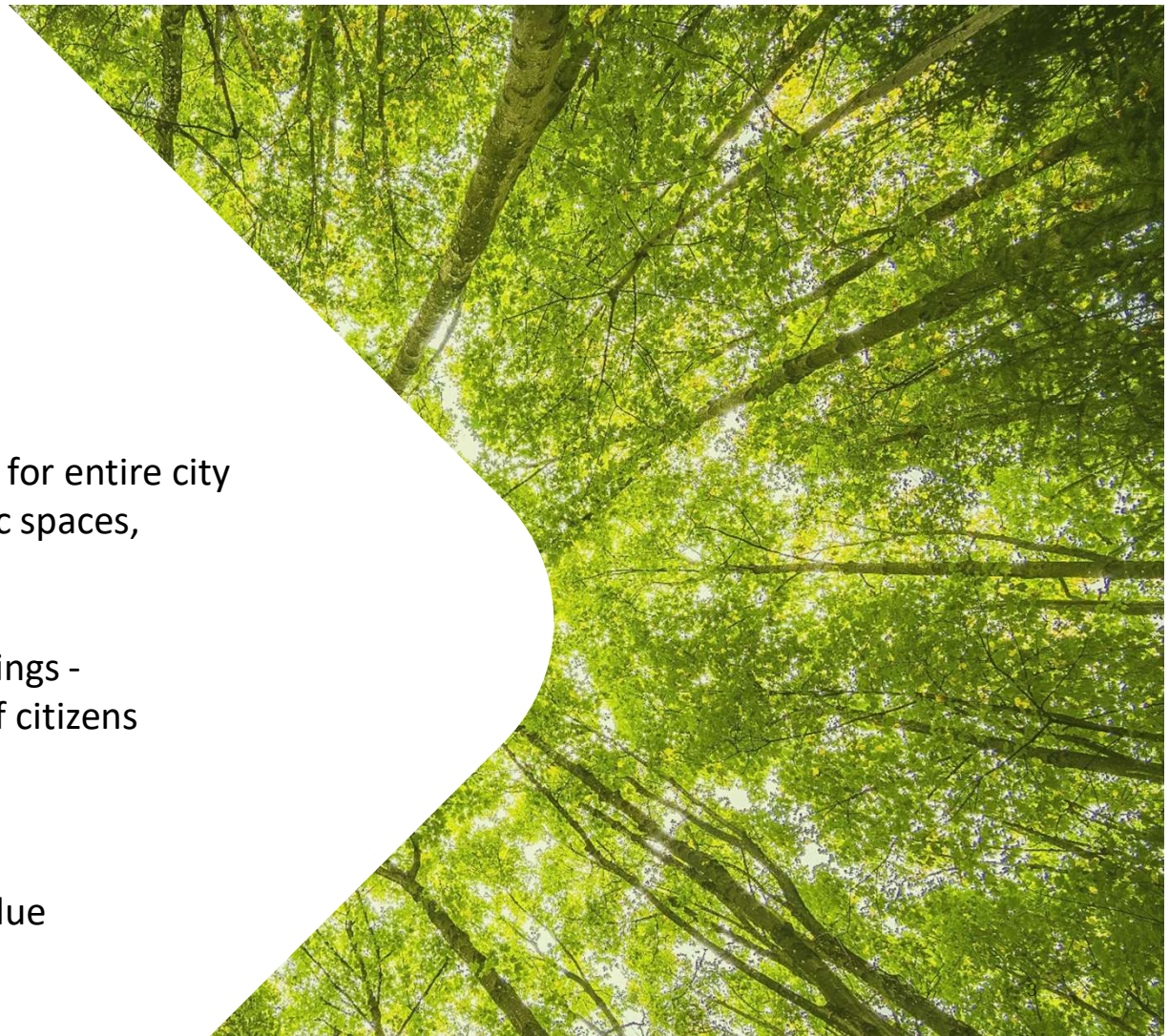
- Green city, healthy and friendly for citizens
- Renewable energy sources
- Energy efficiency
- Green activities in the international arena
- Shaping awareness among citizens





Area revitalization program of the center of Łódź:

- A comprehensive modernization for entire city quarters - buildings, roads, public spaces, including parks and squares
- Energy efficient residential buildings - improvement living conditions of citizens
- Counteracting social exclusion
- 8 quarters in the city center = value approximately PLN 1.5 billion





Subsidy programs for individuals, entrepreneurs, housing communities:

- Municipal subsidy program - replacement of non-ecological heat sources
- "Clean Air" program - replacement of non-ecological heat sources and thermal modernization of single-family buildings
- "Warm Apartment" program - replacement of non-ecological heat sources and thermal modernization of multi-family buildings





Effects:

- Municipal subsidy program
- total grant amount: over PLN 16 milion
- "Clean Air" program
- 650 applications for funding
- "Warm Apartment" program
- over PLN 14 million in subsidies
obtained for residents





Photovoltaics:

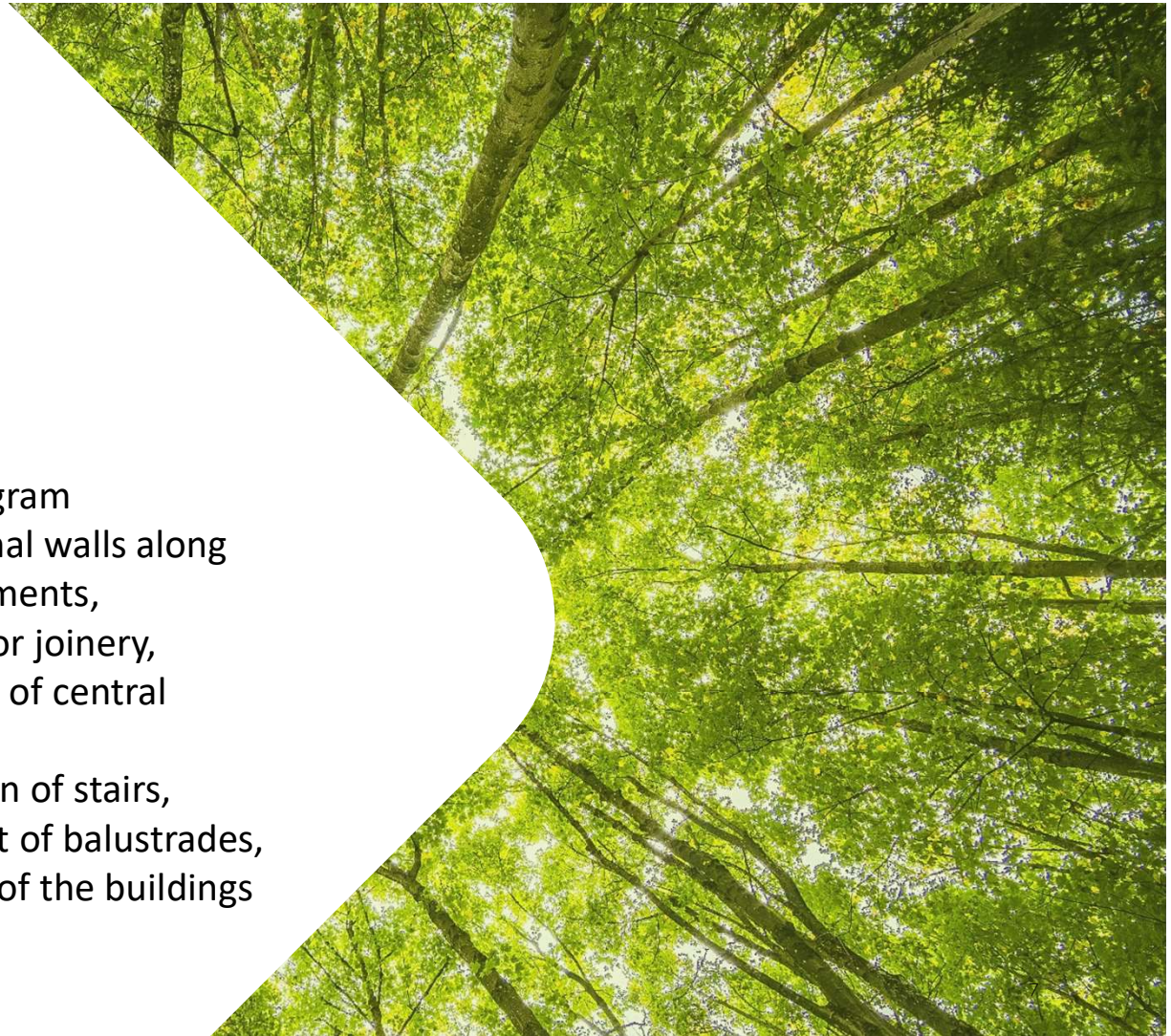
- 2 photovoltaics farms
- implement photovoltaic installations in almost 60 urban facilities - primary and secondary schools, kindergartens, nurseries and nursing homes, which means:
 - ✓ electricity consumed for the facilities' own needs
 - ✓ cost reduction approximately PLN 1.1 million PLN per year
 - ✓ improving the security of electricity supply to facilities
 - ✓ reducing greenhouse gas emissions by approximately 27%.





Thermal modernization:

- 150 schools covered by the program
- Main works: insulation of external walls along with thermal insulation of basements, replacement of window and door joinery, insulation of roofs, replacement of central heating installation
- Accompanying works: renovation of stairs, terraces, chimneys, replacement of balustrades, external roofs, external lighting of the buildings
- Using external financing





LED street lighting:

- gradual replacement of street lighting with energy-saving ones
- Energy consumption savings up to 60-70%
- Co-financing for the replacement of over 2,000 luminaires with LEDs and a control system from external funds

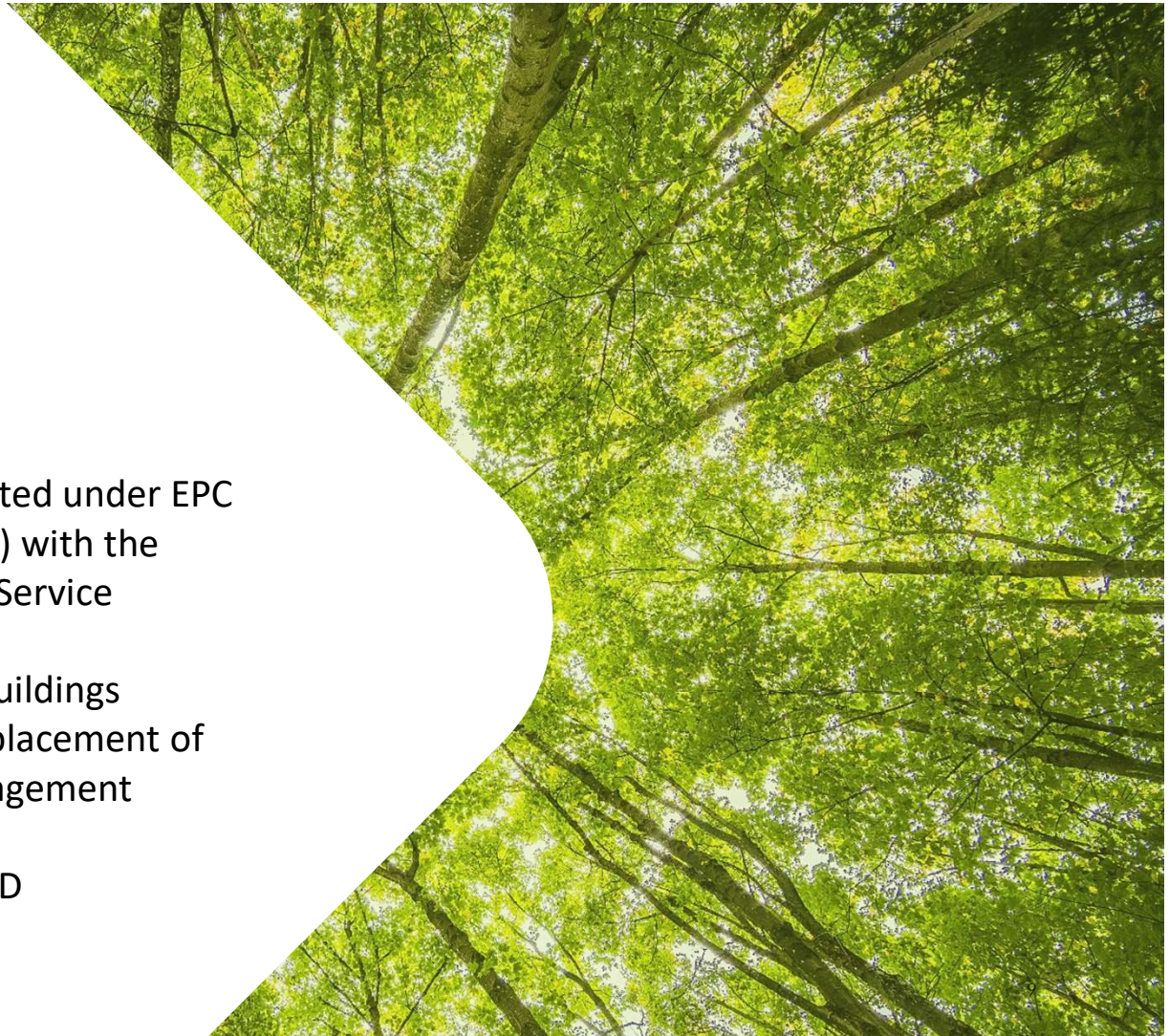




Other actions:

Projects planned to be implemented under EPC (Energy Performance Contracting) with the participation of an ESCO (Energy Service Company):

- Energy management in public buildings
- Thermal modernization with replacement of internal lighting and energy management system
- Replacing street lighting with LED





Other actions:

NEEST (NetZero Emission and Environmentally Sustainable Territories) - 5 polish cities associated in the Climate Neutral and Smart Cities Mission (Łódź, Kraków, Warszawa, Wrocław, Rzeszów) - complete model of ecological transformation for the quarter on Radiostacja.

EUCF (European City Facility) - reduction of emissions in 100 municipal buildings in the historic center of Łódź - renovation, thermal modernization, replacement of non-ecological heat sources





THANK YOU
FOR ATTENTION

