

# BEST PRACTICE IN POLAND – ENERGY EFFICIENT CITIES

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## BASIC INFORMATION

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### Title of the Best Practice

Thermo-modernisation of educational buildings

**Energy efficiency measures implemented in the building:** reducing heating demand; improving the insulation; reducing energy used for heating water

### Location:

**City:** Warszawa

**Region:** Masovian Voivodeship

**Country:** Poland

### GoogleMaps link

<https://goo.gl/maps/uudypqaShb42>

### Partners involved:

- Capital City of Warsaw, Plac Bankowy 3/5, 00-950 Warsaw, Web: <http://www.um.warszawa.pl/> - leader and beneficiary;
- Association „Towarzystwo AMICUS”, Brukowa 28 lok. 8, 15-889 Białystok, Web: <http://www.towarzystwoamicus.pl/> - partner in promotional and information matters under the project;
- Masovian Energy Agency Ltd., Bitwy Warszawskiej 1920 r. 3 lok. 300, 02-362 Warsaw, Web: <http://www.mae.com.pl> - partner in promotional and information matters under the project;

**Implementation year:** 2011 – 2014

### Photo:



Source: <https://www.geodruid.com/intl/es/place/2712381-technikum-fototechniczne-szkoa-warszawa-polska>

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## SYSTEM CHARACTERISTICS

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### **Brief Description:**

The investment included thermal modernization of selected educational buildings in the Capital City of Warsaw. Warsaw. Through this undertaking, energy efficiency has improved in 4 educational facilities. During the investment, the sources of thermal energy were replaced for satisfying the needs for domestic hot water as well as thermo-modernization works aimed at reducing the energy consumption of buildings. There was an increase in the amount of energy generated from RES, as well as a reduction in the amount of greenhouse gas emissions.

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## FINANCIAL SOURCES AND FINANCING DETAILS

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**Total investment value:** *[in EUR]* 1 754 976,77 EUR

**Sources of financing:** The European Regional Development Fund

**Electricity savings** *(MWh/year):* -

**Or fuel savings** *(kg or m3 or kWh or GJ):* 9 262,02 GJ/year

**Cost savings** *(EUR/year):* 51 299,95 EUR/year

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## PROJECT IMPLEMENTATION BENEFITS

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- Reduced CO2 emissions,
- Diversification of energy sources and increase of energy security,
- Improved comfort of use of buildings being the subject of the project,
- Improved visual appearance of public buildings.

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## ADDITIONAL INFORMATION

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