

Thermo-modernisation of the of the hospital in Kwidzyn Pomerania Region, Poland



Source: www.nzoz-zdrowie.pl Kwidzyn hospital – Zdrowie Ltd.

Location



Summary

Program name:

Green Investment Scheme (GIS) - Green Investment Scheme (GIS). GIS is a mechanism linking sales of AAUs to investments that reduce GHG emissions through allocation of proceeds from the sales of AAUs for implementation of projects and programs focusing on GHG emissions reduction and adaptation to climate changes (so called "greening"). The scheme is managed by National Fund for Environmental Protection (NFOSiGW). NFOSiGW selects, by means of a competition, applications for co-financing to be granted. The rules for the selection of applications needs to be approved by the Minister of the Environment. Energy management in buildings is one of the priorities. Further information: <http://www.nfosigw.gov.pl/en/>

Aims and Objectives of this Sustainable Energy Action

The project aimed at thermo-modernisation of three hospital buildings in Kwidzyn.

Scope if investment includes the following works:

- Insulation of the walls – 2 285 m²
- insulation the roofs – 715 m²
- exchange of windows and doors – 181 m²
- modernization of heating systems
- upgrade of HTW system supported by solar collectors 75 m²

Total renovated floor area of 6 624 m².

Results and Impacts

Project outcomes in terms of ENNEREG's performance indicators

- Start Date: **2011**
- End Date: **2012**

Cumulative investment made by stakeholders in sustainable energy (kEuro) – **520 €**

- Primary energy savings: – **64%**
- Reductions of greenhouse gas emissions: **132 (t CO₂/year)**
- Energy savings – **392 MWh/y**

Cost-benefit analysis:

- **Savings 20 000 (€/year)**

Other relevant project outcomes /impacts:

- **Improvement of indoor climate**
- **Reduction of energy costs**
- **RES utilization**

Technical and Financial Implementation

The project funded by:

- 30% - NFOSiGW grant
- 60% - NFOSiGW loan
- 10% - own funds

The Partners and Stakeholders

- County of Kwidzyn
- Hospital in Kwidzyn Zdrowie Ltd.
- BAPE – energy audit and application

Lessons Learnt

- The project is a good sample on the management of large scale investments and utilization of financing tools
- Gained experience in energy saving measures
- Obstructions – long time from the application development to application approval by NFOSiGW
- As a consequence - time schedule changed several times



Source: nzo-zdrowie.com.pl

How this action could be replicated

This action could be replicated at the planning and implementation stage of thermomodernization investment: experience gathered on how to apply for financial support and how to organize smooth construction process can be utilized and transferred to other sport academies in other regions.

Find out more about this and other Sustainable Energy Actions, online at: www.regions202020.eu/gp

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Further Information

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