

Financial Mechanism of the European Economic Area 2009-2014

Samodzielny Publiczny Zakład Opieki Zdrowotnej w Sokołowie Podlaskim (Independent Public Health Care Facility in Sokolow Podlaski) is realizing the project „Termomodernizacja kompleksu budynków Szpitala Powiatowego w Sokołowie Podlaskim” (Thermal Upgrading of the complex of Building of the District Hospital in Sokolow Podlaski).

The project is fund by an endowment from Iceland, Liechtenstein and Norway within the EEA Grants from the **PL04 "Saving energy and promoting renewable energy source" program.**

Thanks to the EEA grants, together with Norway funds, Iceland, Liechtenstein and Norway contribute themselves, to the decreasing of the social and economical inequalities. Furthermore, they enhance the bilateral relationships with beneficiary countries in Europe. Three countries are working closely with the EU basing on the European Economic Area Agreement (EEA Agreement).

Between 2009-2014 the value of the EEA grants and Norway funds, was at 1.79 billion euro in total. The Norway itself provides 97% of the financing funds. They are available for non-governmental organizations, research institutes and academic institutions, public and private sector in 12 countries which are the new members of EU, Greece, Portugal and Spain. The most important areas of support are environment protection together with climate changes, researches and scholarships, civil society, health care and children support, gender equality, justice and cultural heritage. The additional, detailed information about mechanism of EEA grant, can be provided to you on following sites:

- *The official site of the EEA grants in the English language:* <http://eeagrants.org/>
- *The official site of the EEA grants in the Polish language:* <http://www.eog.gov.pl/>
- *The Ministry of the Environment site (operator of the PL04 program):* <http://www.mos.gov.pl/>
- *The site of the National Fund for Environmental Protection and Water Management (the institution which is directly responsible for supervising of the project):* <http://www.nfosigw.gov.pl/>

Information about the project

14th of May 2015 the National Fund for Environmental Protection and Water Management (the operator of the MF EEA) signed in Warsaw the agreement Nr 107/2015/Wn07/OA-xn-04/D about the financial endowment of the abovementioned project.

Planned costs of the investment: 2.828.535,00 PLN (about 673 487 EUR)

Grant amount: 2.255.611,00 PLN (about 537 072 EUR)

General objective of the project

1. Increased efficiency of energy usage in buildings, thanks to the restraints or avoidance of the CO₂ emission. Poprawa efektywności energetycznej w budynkach poprzez ograniczenie lub uniknięcie emisji CO₂. The target value 600.12 MG/year.
2. Increased production of the energy from renewable energy sources, via production of the renewable power (solar energy). The target value 60.357 mWh/year.

Detailed project objectives

1. Providing proper heat comfort in buildings.
2. Cost-cutting of both heating of buildings and costs of electricity.
3. The promotion among citizens of Sokolow Podlaski activities, which leads to the utilization of the natural resources in the processes of both heat energy production and decreasing of electricity costs.

Project aims:

1. Modernization of the central heating system in buildings of the District Hospital. That is: replacement of heaters with heaters which have the hygienic certificate for healthcare facilities. At the same time, the replacement of the installation of central heating (horizontal and vertical pipe layout).
2. The replacement of the fluorescent light with energy-efficient led light in all hospital buildings (montage of the new led bezels)
3. Installation in the system of the domestic hot water, solar panels of 120 square meters of the total area. Thanks to this it will be possible to prepare a hot water without any costs, especially during summer.
4. Thanks to solar panels, the amount of work in the context of photovoltaic, needed for energizing of the glycol pump will be relatively small and the pump itself is going to work without any power consumption.
5. Replacement of the front doors in hospital buildings in order to decrease the heat loss.

All tasks, connected with the realization of the project were done. The plumb lines of the central heating system were covered within whole hospital. The solar system installation was finished. Furthermore, it was filled with glycol and it was passed on for the usage by hospital. Moreover, the visualization of the system was installed and launched. Thus, it is possible to monitor the work of all devices of the solar installation.

30th of December 2015 the commission which consisted of the representative of the investor, the building contractor and building inspector, took over the final result of the realized tasks and takeover protocol was written. Thus the realization of the task "Thermal Upgrading of the complex of Building of the District Hospital in Sokolow Podlaski" was finished. For SP ZOZ in Sokolow Podlaski, the only thing left to be done is the financial settlement with the National Fund for Environmental Protection and Water Management. According to the signed agreement, financial settlement will be done until the end of April 2016.

Further realization of the task

The SP ZOZ in Sokolow Podlaski on 23th of May 2016 had written the appendix nr 2/167 for the agreement with National Fund for Environmental Protection and Water Management in Warsaw Nr 107/2015/Wn07/OA-xn-04/D. The appendix was for the extension of the task "**Thermal Upgrading of the complex of Building of the District Hospital in Sokolow Podlaski**". Within the range of this appendix the central heating systems and heaters themselves were replaced in the clinic building. Moreover, the further part of the fluorescent light was changed into led. The installation of photovoltaic panels (pv) with 20 kW power was constructed. On 3rd of October the next appendix nr 3/757 was written. It focused on the modernization of the photovoltaic installation to 40 kW of power. All tasks connected with the modernization were finished in half of the November. The final takeover protocol of works within the area of modernization, was signed on 15th of November 2016. Within the project, following works were done and took over:

1. modernization of the internal installations, replacement of 71 units heaters in the clinic building.
2. replacement of the light on energy-efficient LED light.
3. construction of photovoltaic cells with 40 kW of power. wykonanie instalacji ogniw fotowoltaicznych o mocy 40 kW

After modifications of the project, the general value had risen to 3 390 218,00 PLN (about 805 877 EUR), while the grant amount was 2 678 247,66 PLN (about 636 636 EUR).

The installation of the photovoltaic cells was taken by PGE Obrót S.A and it was incorporated into the electrical power system on February 2017. The installation itself is working only for needs of the hospital itself.