

**FINANSIAL MECHANISM OF THE EUROPEAN ECONOMIC AREA &  
THE NORWEGIAN FINANSIAL MECHANISM 2014-2021**

Call for project proposal number: BGENERGY-1.002

Procedure „Use of geothermal energy for heating or for heating & cooling in state or municipal building“

Project title „Construction of a new installation for the use of geothermal energy for heating and cooling in the buildings of Kindergarten "Slantse", Yambol“

Grant Contract Registration Number BGENERGY-1.002-0002-C01

**Name of the beneficiary: Municipality of Yambol**

**The total value of the project: 812 860.86 levs**

**The amount of the awarded grant: 734 000.00 levs**

**The own contribution of the beneficiary: 78 860.86 levs**

**The term of execution of the project :18 months**

**Objective of the Project:**

This project proposal aims to implement appropriate measures to improve energy efficiency in the buildings of Kindergarten "Slantse" in the city of Yambol, through the use of energy from renewable sources. The technological renovation and modernization of the buildings, owned by Yambol Municipality, will improve the living conditions in the kindergarten, which in turn will contribute to improving the quality of educational services, which is essential for teachers, children and their parents.

The effect of the project implementation is expected to be:

- The performed energy audit of the building of Kindergarten "Slantse" - block ABCD - Yambol shows that the integrated energy performance of the building on primary energy is 277,21 kWh/m<sup>2</sup> and it falls within energy class "E" and does not meet the minimum energy efficiency requirements. During the implementation of the prescribed energy saving measures, in compliance with the set technical parameters of the planned geothermal heat pump installation the building will fall into energy class "C" from the energy consumption scale. The prescribed energy saving measures are expected to achieve energy savings of 216 170 kWh/year. The primary energy saved is expected to be 183,023 kWh/year.

- The energy survey carried out on the building of the kindergarten "Slantse" – Block D - city of Yambol shows that the integrated energy characteristic of the primary energy building is 149,3 kWh/m<sup>2</sup> and falls into energy class "C" and meets the minimum energy efficiency requirements. In the implementation of the prescribed energy saving measures, with compliance with the set technical parameters of the intended heat pump installation, the building will fall into energy class "B" from the energy consumption scale. The prescribed energy saving measures are expected to achieve energy savings of 65 126 kWh/year. The primary energy saved is expected to be 26 643 kWh/year.

Project „Construction of a new installation for the use of geothermal energy for heating and cooling in the buildings of Kindergarten "Slantse", Yambol“, grant contract registration number BGENERGY-1.002-0002-C01, “Renewable Energy, Energy Efficiency, Energy Security“ Programme is financed by the FINANSIAL MECHANISM OF THE EUROPEAN ECONOMIC AREA & THE NORWEGIAN FINANSIAL MECHANISM 2014-2021