



# BOOSTEE-CE PILOT ACTION PA7-SLOVENIA

**Interreg**   
CENTRAL EUROPE European Union  
European Regional  
Development Fund

**BOOSTEE-CE**





### Introduction

The BOOSTEE-CE (*Boosting Energy Efficiency in Central European Cities through Smart Energy Management*) project will develop and implement technical solutions, strategies, management approaches & financing schemes to achieve higher Energy Efficiency (EE) in public buildings. This will be achieved through a transnational cooperation and using geospatial data, smart energy management tools and energy audit to facilitate the implementation of EE buildings. The final aim is to improve the governance of EE in existing public buildings (within Pilot Actions) and ultimately reduce energy consumption.

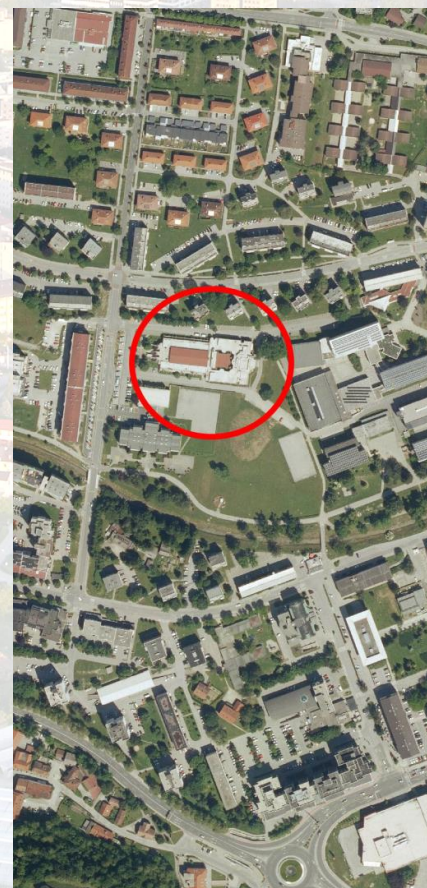


### Aim

The pilot action to improve energy efficiency is implemented in 1 public building. The activities are implemented in the **Music school Fran KorunKoželjski Velenje** built in 1987 (newer part of building built in 1998). Municipality of Velenje is the owner of the building and responsible for implementation. The school has 47 classrooms and five halls on 6360 m<sup>2</sup>. Due to its large spatial dimensions, it is extremely suitable for conducting major concerts, competitions, magazines and summer schools. The building is supplied with heat from the municipal heating network. The energy consumption of the building has been identified at 758 970 kWh/year for heating, while the electricity consumption is 201 629.10 kWh/year.

The following objectives have been agreed as part of the pilot:

- improvement of the energy performance, saving and efficiency of the building
- monitoring buildings data
- increasing the comfort of the building use
- easier operation of the building
- promoting and disseminating knowledge about energy efficiency measures in building

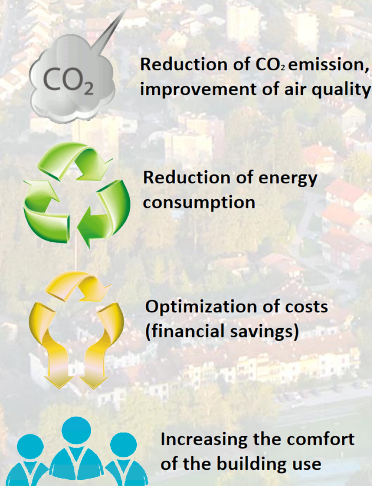


### Solutions

The pilot action includes an investment in an innovative **smart metering for heating, electricity consumption**. The central monitoring system is also installed for demonstrating energy management, consumption control and educational purposes. The “**3D Energy Management System (EMS)**” as a part of OnePlace platform and staff training about energy efficient use are implemented.

## PA idea (MONITOR -> CONTROL -> MANAGE -> SAVE)

The implementation of the energy consumption **monitoring and management** system contributes to a significant reduction in the value of energy bills. The data collected by the system, which constantly **controls** the level of energy consumption, allow to optimize the level of contracted capacity, which in turn generates **annual savings**. The system constantly monitors the level of energy consumption, provides information about where it is distributed, where it is lost. The tools provided by the system allow to easily analyze this data and draw conclusions about ways to reduce the costs associated with the use of energy. Energy **management** allows to optimize the contracted capacity, selection of a cost-effective tariff, energy monitoring and provides knowledge about energy flows in the building.



## PA indicators & results

- investment period **05.2018-09.2019**
- investment cost **14 823 €**
- **5-12 people** involved in PA implementation
- **2 tools / instruments used**
- trainings, meetings, seminars
- **around 51,3 MWh** reduction of energy consumption, which will reduce costs and CO<sub>2</sub> emissions
- change in people's behavior by raising awareness

## Added values for replication and dissemination

The activities can be transferable and replicated in other cases and regions. Information about the pilot action is promoted and disseminated in the region and beyond. The conducted analysis shows that the pilot action in Velenje can be repeated in the Savinjsko-Šaleška region (SAŠA region).


### Contact


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# DISCOVER MORE ABOUT BOOSTEE-CE

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 **Project on Facebook:** [www.facebook.com/BOOSTEECE/](http://www.facebook.com/BOOSTEECE/)

**OnePlace**  Platform **OnePlace website:** [oneplace.fbk.eu/](http://oneplace.fbk.eu/)