

BEST PRACTICE IN POLAND – SMART METERING

BASIC INFORMATION

Title of the Best Practice

Energy Management System for Piastów Community

Energy efficiency measures implemented in the building: installing smart metering system: controlling electrical, thermal and room climate parameters.

Location:

City: Piastów

Region: Mazovian

Country: Poland

GoogleMaps link:

<https://goo.gl/maps/JAf69km4v8C2>

Implementation year: 2017

Photo: (of a smart metering components):



Source: PMG Sp. z o.o., al. Jana Pawła II nr 11/1018, 00-828 Warszawa

SYSTEM CHARACTERISTICS

Brief Description:

Before the implementation of the investment, a stocktaking was carried out. Stocktaking included energy consumption points, thermal centers, tariffs, large energy receivers, ventilation systems. The system is controlling electrical parameters (active power, reactive power, phase voltages, power frequency) with a frequency of 33 kHz, thermal parameters (supply and return temperature in heat centres) with a frequency of 5 Hz, room climate parameters (temperature, humidity and CO2 level) once per minute. As part of the energy management system, the customer has access to online measurement data (with 2-minute delay). The client receives reports in the chosen format (pdf, excel, html). Analyst at the Network Management Centre analyses the consumption profiles, quality parameters and performs operational activities towards the optimization of energy consumption.

Type of a building where a smart metering (SM) system is installed: schools, kindergarten, public offices, house of culture

Responsible person for monitoring consumption: Centrum Kompetencji Teraz Energia

Name of a company which installed the SM system: Teraz Energia sp. z o.o., Lisówek 20, 05-600 Grójec, <https://terazenergia.pl/kontakt/>

FINANCIAL SOURCES AND FINANCING DETAILS

Total investment value: *[in EUR]* confidential

Sources of financing: confidential

Electricity savings (MWh/year): confidential

Or fuel savings (kg or m3 or kWh or GJ): confidential

Cost savings (EUR/year): 15% of invoice value for electricity and gas

PROJECT IMPLEMENTATION BENEFITS

This investment provides benefits such as monitoring, planning and control of electrical and thermal energy. The system enables better management of energy consumption and financial savings.

ADDITIONAL INFORMATION
