

# Polish Case study

Modernization of the power supply in KOMR facilities  
- from oil heating to natural gas cogeneration unit



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# Modernization of the power supply in KOMR facilities - from oil heating to natural gas cogeneration unit

- Country: Poland
- Localization: Dąbek, Mazovia Voivodeship
- Status of the project: Finalized
- Date of finalizing: 2021



- Financial model : EPC
- Total investment size [EUR]: 479 489 EUR
- Total energy related investment size (EUR): 479 489 EUR
- Financing (own contribution, grants etc.) [%]: 100% EPC



Project value: 479 489 EUR

Energy Cost savings/revenues: app. 81187 EUR/year

100% financed from EPC



- Primary energy savings: 0,889 GWh/a
- RES production: 0,04572 GWh/a
- Greenhouse gas emission reductions: 331,59 t CO<sub>2</sub>/year



The project is located in National Residential and Rehabilitation Center for People with Multiple Sclerosis in Dąbek city. The project provides replacement of the internal heating installation and modernization of the heat source of the local boiler room with installation of a CHP unit. In later stage the project also includes thermal modernization of buildings and a PV installation (50kW)



- No major problems due to the very short SPBT
- Gas cogeneration is not considered renewable energy -> this causes more difficult formula for connecting the installation to the operator's electricity and energy network



- To streamline the investment process and mitigate any potential risks KOMR entrusted MAE with the function of a substitute investor





# Conclusions

EPC is a very good concept of investment implementation, but only with a competent and professional consulting entity in the field of energy