

Diagnosis of energy poverty



Municipality of Ampelokipi-Menemeni, Greece



Collaboration between

Municipality of Ampelokipi - Menemeni
Process Energy Design Laboratory (PEDL) -
Department of Mechanical Engineering
Aristotle University of Thessaloniki,

Energy poverty phase



Diagnosis

Intervention type



Data analysis

Professionals involved

Members of local government
Researchers

Sustainable development goals



The municipality of Ampelokipi - Menemeni is an area with low-rise and low-quality buildings. According to the latest housing status, 43% of houses have no insulation and 66% have single-window glazing. The population of Menemeni is 14 746 inhabitants.

According to national public data, 44% of the citizens are around 25-54 years old, which is the active population. The level of unemployment rose to 38%. About 20% of the inhabitants have a university degree, while 24% are people with basic education.

According to previous studies, Thessaloniki faces serious problems of energy poverty but there is not enough data on a local scale to effectively guide decision-makers.

The municipality has an Action Plan for sustainable energy that includes general elements of analysis of energy poverty. However, a more detailed analysis is needed to better design actions and measures.

The municipality's objective is through the technical assistance to increase the internal capacity of the whole diagnosis process. The expert will assist the staff from the municipality to identify the best methodological approach to map and record energy poverty. Different qualitative and quantitative indicators will be picked to monitor energy poverty at a local level. Based on the results of the diagnosis possible suggestions will be provided on how to address the different target groups, how to possibly engage them and which specifications can be included in the local climate plan.