

ANATOLIKI - TRANSPARENSE PILOT PROJECT: [Energy Saving Actions in two public buildings in Greece]

For this particular selected pilot project under TRANSPARENSE, two buildings were selected in the Region of Western Macedonia, namely:

1. Building of the Headquarters of the Prefecture of Western Macedonia in the city of Kozani (Building User : Prefecture of Western Macedonia)
2. The "Bodosakio" Hospital in the city of Ptolemais (Building User - Hospital " BODOSAKIO ")

The energy saving actions includes the following:

- A. Determination of the potential energy and cost savings in the selected buildings - Feasibility Study for the entire building and in particular for the actions that are proposed to be implemented as described in the standard model contract (Energy Performance Contract) as prepared by the Ministry of Environment, Energy and Climate change (www.ypeka.gr)

The feasibility study includes the following for both buildings:

- The energy consumption and load analysis for the entire building
- Records of the equipment / energy consumption systems for the entire building
- The Proposals for replacement and / or energy upgrade of existing equipment for the entire building and for each intervention. Also the energy savings for each proposed intervention, the cost of the intervention, assessment of the economic feasibility of the intervention.
- The Proposals for organizational/managerial measures so as to improve the energy efficiency and energy savings of the entire building. For each proposal the energy savings will be presented in detail, as well as the proposed cost and an assessment of the economic feasibility of the intervention
- The procedures for measuring and verifying the interventions which will be proposed
- Determination of baseline energy consumption during the monitoring period of the proposed actions/interventions
- The method of determination of remuneration and payment procedure for the measures which will be implemented
- List of licenses that are required by law (if required).

B. Supply and Installation of the proposed equipment and offer of training to personnel to operate the equipment

C. Drafting of a model EPC contract for the selected actions

D. Submission of periodic reports for the evaluation of energy results for the actions selected to be implemented according to the procedures defined in the standard model contract (Energy Performance Contracting).

There are four distinctive roles of the stakeholders involved for the implementation of the pilot actions:

- The Building Users (Bodosakio Hospital & the Headquarters of the Prefecture of Western Macedonia)

- The ESCO (selected through open public procurement procedure)

- The TPF provider – ANKO, (a regional public development entity) which provides co-financing under the MARIE project (Mediterranean Building Rethinking for Energy Efficiency- financed by MED 2007-2013) co-financed by ERDF by 75% and ANKO financed by 25%

- The Facilitator ANATOLIKI S.A which provides consultation on the ESCO selection procedure and offers information on the Code of Conduct to be followed

The ESCO provides energy expertise while it guarantees energy savings. In particular, the ESCO analyzes the energy performance of buildings, proposes the appropriate interventions, selects the most advantageous intervention and undertakes the supply, installation and commissioning of the equipment for such interventions. For the implementation of the selected intervention, the ESCO which receives financing of the MARIE project and the TPF mechanism ANKO SA has the role of the TPF mechanism, using resources of the MARIE project. ANKO retains ownership of the equipment to be installed in the two buildings, during the time of measurements.

The building occupants receive guaranteed energy savings and in return permit the ESCO to access their premises and have no claim over the ownership of the new equipment to be installed (owned by ANKO SA) for the duration of the period of measurement of energy data of the actions to be implemented, in accordance with the procedures stipulated in the standard model of Energy Performance Contracting (EPC).