



**REGIONAL  
DEVELOPMENT  
AGENCY**

*Regional smart & creative growth*



# Energy Efficiency

## Overall Objective

In order to maintain high rates of economic and social growth, Region 3 (Korcë, Elbasan, Berat), needs access to a long-term, secure, affordable and sustainable energy supply.

## Project Description

Energy demand in public and private buildings and spaces represents a big challenge nowadays. At present, space heating represents the highest share of final energy consumption, but it will decrease in the future. In order to maintain high rates of economic growth, on the one hand, needs access to a long-term, secure, affordable and sustainable energy supply. On the other hand, the Region needs to use its available energy resources or purchased energy in the most efficient and rational way.

In accordance with the ESD (Directive 2006/32/EC on Energy End-Use Efficiency and Energy Services), the country has to meet an energy-saving target equal to 9 percent of total energy sales in 2018 as compared to 2010. According to the EED (Directive 2012/27/EC on Energy Efficiency), Albania will have to achieve an annual 1.5 percent energy sales savings compared to the recent three-year period through the use of a utility obligation scheme or other alternative approach. Achieving these targets requires more ambitious policy efforts and bigger investments in demand-side energy efficiency than are being made at present.

**1<sup>st</sup> Component:** First it includes the awareness process of the community for the benefits from sustainable energy use, through promotional television campaigns. Secondly, we will organise campaigns and public meetings with residents of pilot project and different experts, in order to achieve cooperation in terms of 30% co-financing level and to encourage the target group for a more successful collaboration. All actors should be involved in the process of planning, implementation, monitoring and evaluation of all policies, programmes and activities of energy efficiency, for having a better impact .

**2<sup>nd</sup> Component:** The evaluation process needs to be carried out through the questionnaire analysis which will be distributed in the pilot quarters. We will apply analysis based on, standard average consumption for heating for household , average consumption of electricity (kWh), average consumption of wood (m<sup>3</sup>), average consumption of liquid gas (liter) in different periods of the year; Financial analysis, cost-benefit and payback time for all Region 3.

**3<sup>rd</sup> Component:** We should establish a long-term Energy efficiency strategy for mobilising investment in the renovation of the national stock of residential and commercial buildings, both public and private. It includes the implementation of infrastructure investment in pilot quarters for sustainable energy use and:





## Energy Efficiency

- *Fulfill legal obligations set by DCM no. 38, date 16.01.2003 "Rates, rules and terms of design and construction, production and storage of heat in the buildings" for internal temperature of buildings.*
- *Reaches the objectives set by DCM nr.619, date 07.09.2011, "On approval of the National Action Plan for Energy Efficiency, 2011-2018", which foresees the reduction of 9% of energy consumption to consumers.*
- *Establish the structures provided by Law no. 10112, date 09.04.2009 "On the administration of the condominium in residential buildings" problematic structure so far, especially for apartments before 1991.*

**4<sup>th</sup> Component:** Energy consultants work with a pool of recognized experts that can be considered a kind of network responsible for creating the energy Ecosystem. It is often organized through an internet-based secured platform where consultants get information, process documentation and receive feedback, news etc. Raising the center of excellence in energy efficiency (CEEE) will increase the transparency of the real-estate market and promote energy upgrading in buildings. CEEE will create the regional cluster, for providing official information campaigns. They include web-based information, brochures, FAQ, seminars and information events, etc. and they differentiate in content and comprehension.

**5<sup>th</sup> Component:** The problem of the limited availability of informed and motivated professionals can only be tackled by specific training and education programmes. Information campaigns targeted at raising quality awareness amongst consumers and installers may ensure the added value of EPC (Energy Performance Certificate) and that energy efficiency solutions are used most effectively. To provide EPC is necessary to qualify professionals (engineers, architects) to become energy auditor, through national or regional courses.

### Project Implementation Modality

Collaboration with all stakeholders (Municipalities, Districts, NGOs, business sector). Work and vision coordination between Region 3 and municipalities in formulating an action plan is essential.

### Partners and Network:

- *Residents*
- *The authorities of central and local government*
- *Business, Industry*
- *Non-Governmental Organizations*
- *Media representatives*

### Required Inputs:

- *Financial resources from private and public institutions.*
- *Specialized human capital.*
- *Investment plans for pilot quarters in Region 3*



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