



SEMP FACTSHEET

STREET LIGHTING IN ALBANIA

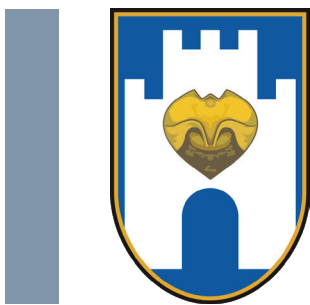


Smart lighting: SEMP supports modernization of street lighting in Albania

The Smart Energy Municipalities Project (SEMP) supports Albanian municipalities to manage energy in a sustainable manner and to implement the national energy and climate policy at local level. In order to showcase the benefits of energy efficiency, modernization of street lighting was done by replacing High-Pressure Sodium Lamp (HPS) and other less efficient technology with efficient LED-technology (Light Emitting Diode).

The modernization was supported by SEMP in four pilot pilot municipalities namely **Berat, Korça, Permet, and Shkodra**. The total investment in the four municipalities was around 200 million ALL.

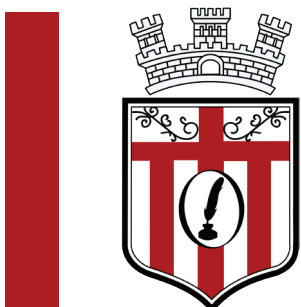
LED street lighting in the 4 pilot municipalities at one glance:



Berat Municipality

Project results:

Introduction of LED (Total length of streets): 3.54 km
Annual energy consumption baseline: 155 MWh/year
Annual energy savings: 107 MWh/year
GHG Emission reduction: 41 CO₂ eq ton/year



Korça Municipality

Project results:

Introduction of LED (Total length of streets): 10.57 km
Annual energy consumption baseline: 228 MWh/year
Annual energy savings: 137 MWh/year
GHG Emission reduction: 45 CO₂ eq ton/year



Përmet Municipality

Project results:

Introduction of LED (Total length of streets): **9.25 km**

Annual energy consumption baseline: **92 MWh/year**

Annual energy savings: **64 MWh/year**

GHG Emission reduction: **24 CO₂ eq ton/year**



Shkodra Municipality

Project results:

Introduction of LED (Total length of streets): **6.88 km**

Annual energy consumption baseline: **518 MWh/year**

Annual energy savings: **369 MWh/year**

GHG Emission reduction: **140 CO₂ eq ton/year**

What are the benefits of modernizing the street lighting in the Albanian municipalities?

Financial and Economic

Annual electricity cost savings can be reallocated to other municipal development initiatives.

Environmental

Reduced greenhouse gas emissions contribute to climate change mitigation efforts.

Social

Enhanced street lighting improves safety and contributes to more environmentally friendly communities.

Capacity Building

Municipalities received training on preparing tender documents and specifications according to Albanian public procurement law.

Long-Term Vision

The experience and knowledge gained from these pilot projects will inform and guide future energy efficiency projects identified within the municipalities' Municipal Energy and Climate Action Plans.

Awareness Raising

LED Lighting systems are something visible and citizens can feel and see the impact as it is something tangible.

Overall Impact

The SEMP project is fostering the comprehensive implementation of municipal energy management systems, paving the way for a more sustainable and energy-efficient future for Albania.

What is the Smart Energy Municipalities Project (SEMP)?

SEMP is a project of the Ministry of Infrastructure and Energy (MoIE) and of the National Agency of Energy Efficiency (AEE) supported by the Swiss State Secretariat for Economic Affairs (SECO).



Schweizerische Eidgenossenschaft
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AEE Agjencia për Eficiençën e Energjisë