



## ALBANIA

### Partners:

- Ministry of Economy, Trade and Energy
- Transmission System Operator (OST sh.a.)

### Estimated total investment:

- €70 million

### EU technical assistance:

- €0.85 million<sup>1</sup>

### Duration of Technical Assistance:

- January 2013 – September 2014

### Lead IFI:

- KfW

### Other EU / WBIF assistance:

- €14.6 million (detailed design and construction works)

### Technical Assistance provided by:

- Infrastructure Project Facility 3 (Mott MacDonald – WYG – Atkins IPF Consortium)

Energy

## Albania – the former Yugoslav Republic of Macedonia Power Interconnection (I): Feasibility Study for the 220KV Elbasan-Fier line

This technical assistance grant concerns the preparation of a feasibility study for a new electricity transmission line and associated substations between Elbasan and Fier, in Albania. Due to an increase in electricity demand and the diversification of electricity generation (including thermal, gas, and wind generation) the transmission system is overloaded and prone to outages.

The study took into consideration two main options: a new double circuit 220 kV Elbasan 1 - Kuçovë – Fier and a new 220/110 kV substation in Kuçovë; and a new 400kV line between Elbasan 2 to Fier, with a 400/220kV substation at Fier. An environmental and social impact analysis was also carried out. Upon detailed analysis, the second option proved to be the most efficient in terms of costs and benefits. The grant conclusions helped the project reach financing agreements, including a €14 million EU investment grant under the 2015 Connectivity Agenda. Once built, it will contribute to the establishment of an East – West electricity transmission

corridor between Bulgaria, the former Yugoslav Republic of Macedonia, Albania, Montenegro, and Italy. The corridor will allow for cross-border energy exchange, more efficient use of existing and planned power capacities, and better load flow balancing in the region.

### Results / Benefits:

- Feasibility study for a new high voltage (400 kV) overhead-line between Elbasan and Fier, with substation upgrades adjacent to the existing Fier substation and Elbasan substation.
- Reduced transmission losses, leading to lower electricity prices for Albanian consumers, industry, and investors.
- Secure power supply in Albania by eliminating overloads in the system and so reducing the outages.
- At least 2,800,000 people and numerous industries in the southern part of Albania will benefit from uninterrupted electricity supply.



Albania – the former Yugoslav Republic of Macedonia electricity transmission interconnections.

<sup>1</sup> Grant reference number: WB6-ALB-ENE-03