

invest in Albania



FACTSHEET

Renewable Energy Sector



OVERVIEW

Albania has a considerable potential of Renewable Energy Sources (RES). The use of such sources for energy production represents a long-term strategy for implementation of three objectives of energy policies of the country, such as: support for the overall economic development; increase of the security of energy supply and protection of environment. Albania has committed to a binding 38% target of energy from renewable sources in gross final energy consump-

tion in 2020, starting with 31.2% in 2009. In 2015, according to the energy balance published by EUROSTAT, Albania achieved a 34.9% share of energy from renewable sources, above the third indicative trajectory of 34.3%. Thanks to the favorable geographic position in the Mediterranean Sea Basin, Albania has significant potential of renewable energy sources such as, water, wind, sun, biomass and geothermal.

WHY INVEST IN RENEWABLE ENERGY

- ▶ The Government in its General National Plan "Albania 2030" has set Renewable Energy as the key priority, for developing a "Green Energy"- driven economy.
- ▶ High-quality experienced engineering and technical workforce, particularly in the hydropower sector.
- ▶ Incentives, governmental support and facilitation of investments.
- ▶ Proven record of successful foreign investments in the sector.

HYDROELECTRIC ENERGY

Albania Has Huge Potential for Hydroelectric Energy. Water resources are among the most important natural resources in Albania. The major rivers and hundreds of smaller rivers and streams as well as the hydrographic territory of Albania of about 700 m above sea level offer a considerable potential for investments. Only 35% of hydroelectric energy potential is currently being utilized.

- Height of the hydrographic - 700m above sea level;
- Inflow of Albanian rivers - 1,245m³/s
- Waterflow of the rivers - 40 billion m³
- Total installed capacity of 1,466 MW;
- Potential installed capacity of 4,500 MW;
- Average power production of 5283 GW/h;
- Potential annual power production of 16 TWh;



WIND ENERGY

Albania has an unexploited wind power potential, especially along the Adriatic Coast where many areas with high wind energy potential are situated. The main part of the territory (app. 2/3 of the whole surface) is hilly and mountainous (east of the country). The coast line is in the direction of North-South. The overall potential of eolic energy that may be produced through eolic parks has been estimated at more than 2,000 mW. In the next five years the Government of Albania aims to generate 5% of total electricity from the wind sources.



Average annual wind speed of 6-8 m/s.



Average energy density of 250-600 W/m².



Potential for at least 20 eolic electricity centrals.

SOLAR ENERGY

In the territory of our country we have a considerable potential of solar energy, where many of its areas are exposed to a radiation that reaches from 1185 kWh/m² per year up to 1700kWh/m² per year. On clear weather, every square meter of the horizontal surface of this area may absorb around 2200 kWh per year.



Average daily solar radiation of 4.1kWh/m².



2,400 average sunshine hours per year.



240-300 average sunshine days per year.

PETROLEUM AND GAS ENERGY

Albania has a significant volume of oil reserves, producing more than 1.4 million ton/year. International oil & gas exploration companies are already established in Albania. The Albanian oil, gas and by products market is a free, open, and liberalized market and the Government of Albania plays only a regulatory role.



Albania oil reserves 1.4 mln ton/year



Estimated oil reserves 500 mln barrels



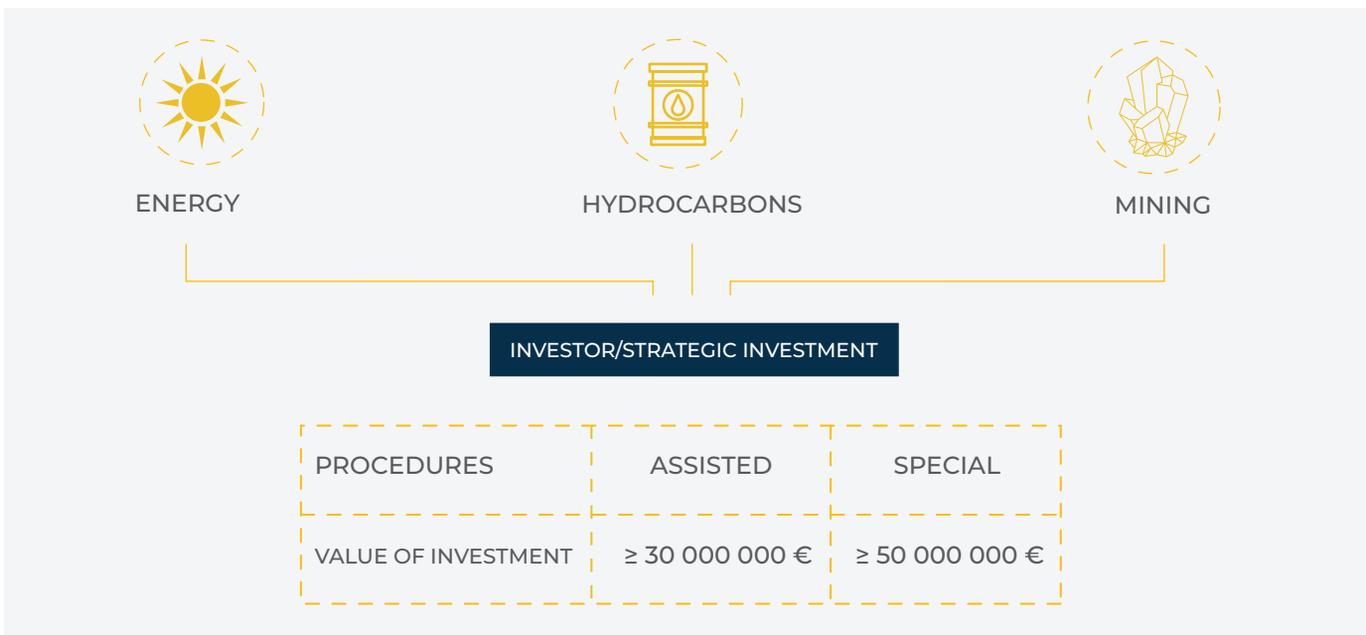
Patos-Marinza oil reserves 200mln barrels



SECTORIAL INCENTIVES

-  The obligatory connection with transmission or distribution networks;
-  The payment of only direct costs of the connection to transmission or distribution networks;
-  Long term agreement (15 years) for electricity produced from plants of a capacity 15 MW and over;
-  Exemption from custom duties and VAT for the manufacturing or the mounting of the solar panel systems for hot water production;
-  Reimbursement of the custom duties on imported raw materials for the manufacture or assembly of solar panels systems for hot water production for sanitary purposes in buildings or for technological processes in the industry;
-  FIP (Feed-in-Premium) tariffs through a competitive, non-discriminatory tendering process (auctions) for new PV installations over 2MW through Contracts for Difference (CfD).
-  Due to the potentially high sources of solar energy (over 1700 kw / m2 / year) in limited regions, the untapped potential for PV installation on infertile land is up to 1900 mW.

STRATEGIC INVESTMENT PROCEDURES



MINING

Albania is known for its mineral resources. Most of them have been discovered and mined from ancient times up to date. There are also other deposits for which a careful study and evaluation of geological reserves should be conducted. The mining activity is mainly focused on the extraction of minerals of **chromium, copper, iron-nickel, and nick- el-silicate.**



CHROMIUM ORE

260 Active Mining Exploitation licences

121 Active Permits (Kukës, Tropoja and Librazhd)

31.19 MILLION tons produced

3 Main Regions:

- **North-eastern Region** (Tropoja and Kukës Ultrabasic Massifs);
- **Central Region** (Bulqiza and Lura Ultrabasic Massif);
- **South-eastern Region** (Shebenik-Pogradec Ultrabasic Massif).



COPPER

14 Mining Exploitation Licences

6 Main Districts:

Korça, Mirdita, Puka, Shkodra, Kukës and Has



IRON-NICKEL (LATERITE) AND NICKEL-SILICATE (SAPROLITE)

Iron-nickel and nickel-silicate are located near the East border of our country, from the North-East to the South-East area.

Locations:

- **North-East region** (Kukës): Trull Surroi, Mamëz, Nome deposits;
- **East Central region** (Librazhd-Pogradec regions): Përrenjas, Skorskë, Xixillas, Bush-tricë, Gur i Kuq, Cërvenakë, Guri Përgjegjur, Hudënisht and Grad- isht deposits;
- **West Central region** includes deposits of the group of laterite-redeposited type.

Liqeni i Kuq, Xhumagë, Debrovë, that have lower qualitative properties than the other groups.

- **South-East region** deposits, iron-nickel and nick- el-silicate deposits of Devolli region: Bitinckë, Kap- shticë, Stranë, Kokogllavë, and a few less studied objects such as Vërniku, Shkoza etc.

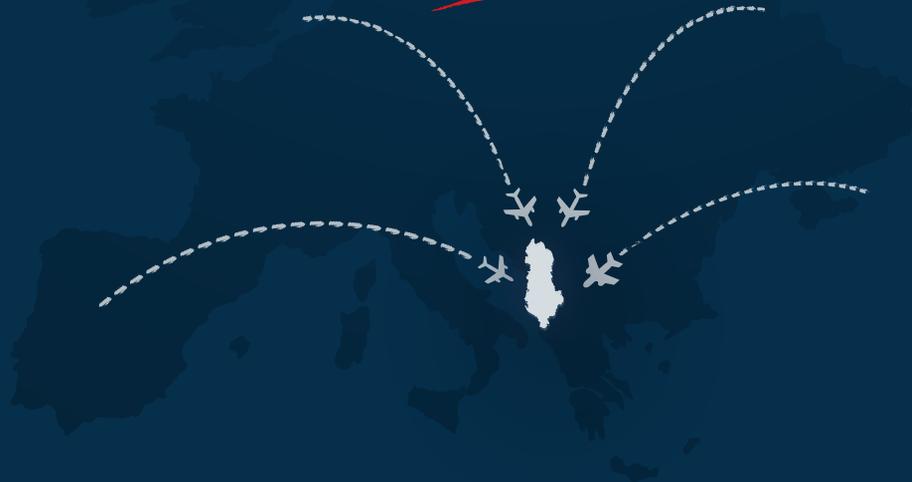




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