

OnePower

green energy infrastructure project portfolio

One Power Lesotho (IPWR) is a Team Europe funded green energy infrastructure project developer active in Lesotho.

The company intends to provide distributed renewable energy (DRE) through its green energy mini-grids project portfolio to more than 9,100 households, impacting more than 32,800 people, mitigating 2,780 tonnes of CO₂ emissions every year. **IPWR** manufactures energy technology in Lesotho, trains technicians and engineers locally, thus providing green energy jobs within the country.

Lesotho has one of Africa's lowest electrification rates, with 62% of the population lacking access to electricity and rural electrification below 20%. To address this, **IPWR** funded by EDFI ElectriFI and REPP, is developing 11 solar-battery mini-grids with technological innovations like PV trackers, unique in sub-Saharan Africa. The company, supported by the financial advisory of GET.invest, aims to provide first-time electricity access to rural communities.

IPWR collaborates with local business support organisations to promote economic growth by offering training, loans, and productive space to low-income individuals. Communities report transformative benefits, including powered appliances, improved quality of life, enhanced business efficiency, and better educational opportunities. For example, in Ha Makebe, the mini-grid has enabled efficient business operations, evening study hours for students, increased economic activity, and improved health and safety.



Location:
Lesotho (multiple locations)



Budget:
~EUR 12,000,000



Team Europe financing:
EDFI ElectriFI with technical support from GET.invest

Other financing: REPP



Green energy infrastructure:
The green mini-grids will generate up to 3,480 MWh per annum.



Electricity connections:
OnePower Lesotho intends to connect to a reliable source of renewable energy
9,109 households (approx. 32,800 beneficiaries),
68 schools, **20** clinics,
470 small and medium-sized enterprises (SMEs)
and **7** healthcare centres.



Since gaining access to electricity, my life has transformed. I can charge my phone, watch television, and stay connected on social media. But most of all, having reliable lighting is an incredible privilege. It's made everything easier and more comfortable in my home."

Nthabiseng Letlaila, TLH Likhang.



After 33 years without electricity, having access to it for just one year has transformed my life and my business. I've been able to install a fridge and expand my business by selling meat. The number of my Mpesa clients has grown too, thanks to the electricity. At home, we now have proper lighting and cooking has become easier. I'm very satisfied and am even planning to get a milling machine in the coming year."

Tsheliso Phera, TLH Likhang Resident.



Having electricity has made daily life so much easier. We can cook, charge our phones, and even play music for our customers. It's allowed us to be more productive—we can work late into the night, and I've even started making homemade beverages using electricity. We're planning to buy a refrigerator soon to expand our business even further."

Mme Mmalipuo Makalo, TLH Likhang Resident.



Running the store and bar with lights and music has transformed my business. It not only draws more customers, but it also helps cover the costs of my children's education. They've gone from 7th grade to tertiary education, and now, when they come home, they can continue their studies using laptops, thanks to the electricity. I've also been able to use a grinding machine for business, and I'm excited to see where we can go from here."

Telang Mabea, TLH Likhang Resident.



Climate impact:

~2,780 tonnes of CO₂ emissions will be avoided every year



Social impact:

IPWR manufactures energy technology in Lesotho, trains technicians and engineers locally, thus providing green energy jobs within the country.



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