

In January GESTO reached the final stages of development of the Renewable Energy Grid Integration Studies (REGIS) for the Lesotho Electricity Company (LEC). This was achieved with the submission of the project's Final Report and the conduction of Capacity Building sessions plus the Stakeholder Workshop.

The project development has been significantly affected by the pandemic situation in terms of delays and country presence. In fact, the study started with a first in-country mission late 2019, followed by another mission early 2020, just before the first international travel restrictions.

The objective of the REGIS study was to assess the impacts on the transmission and distribution networks of LEC of variable renewable energy generation and to establish the level of absorption, both quantitatively and in relative terms of such intermittent renewable energy generation in the LEC power system in the medium to long-term.

Gesto is an international company focused on energy consulting and renewable energy project development. Gesto was founded with the aim of being a leading adviser and a trustworthy partner in creating sustainable energy sectors, thus improving people's lives and making a world of difference.

Ha Makebe is a un-electrified village located not far from Maseru with a population of around 900 people. Ha Makebe is the site of our minigrid Pilot Project, in collaboration with the National University of Lesotho and the enthusiastic members of the community. We are proud that this project has the full support of the Ha Makebe Chief, the Local Council, the local schools, and the participating households and businesses.

PV panels harvest the most energy when pointed directly at the sun; to increase the energy yield of community PV systems OnePower has designed, prototyped, and developed a tracking PV module that is cost effective and proudly manufactured in Lesotho. The trackers orient towards the sun autonomously, intended for use in rural areas.



# Electric grid maseru

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