

Improving electricity consumption around the world

Voltalia increases access to competitive energy

In 2022, Voltalia produced 3,7 TWh of green electricity, equivalent to the consumption of 4.8 million people.

Voltalia has carried out significant work to improve and make more reliable the methodology to calculate the equivalent consumption in terms of number of inhabitants of the electricity produced by its renewable energy plants. The robustness and accuracy of the calculation of the contribution to energy access indicator have been strengthened, taking into account the specificities of each country and recognised national and international sources.

Methodology:

The number of equivalent persons Voltalia can supply with a project in a given country depends on the national residential consumption per capita factor:

$$\text{Equivalent people} = \frac{\text{Electricity production (MWh)}}{\text{Residential consumption factor (MWh/capita)}}$$

All data used are from internationally recognised sources:

- The World Bank
- International Energy Agency (IEA)
- National electricity grid reports



Voltalia has also developed an internal tool to help employees calculate the population consumption equivalents for its projects under development.

Voltalia devotes part of its activity to strengthening access to energy in countries where the energy network is not sufficiently developed, as well as in remote areas not served by an existing network. In this way, the company aims to help improve production capacity and reliability, and thus service for end customers. **In 2022, 75% of Voltalia's MW under development will be located in non-OECD countries ⁽¹⁾ (an increase of 8% compared to 2021).**

⁽¹⁾ Organisation for Economic Co-operation and Development.