

RWANDA

Rwanda stands out as the country with the second position in the Ease of Doing Business Index in sub-Saharan Africa, with a clear tendency to encourage private investment, especially targeting rural electrification projects.



NATIONAL CONTEXT

Ease of doing business index		Global competitiveness index <i>(World rank)</i>	Population	12,952,209 inhabitants
World rank 38th	Sub-Saharan rank 2nd		Human Development Index	0.543
		100st	GDP <i>(annualized average rate growth between 2010 and 2020)</i>	5.4%

ELECTRIFICATION RATE



93%

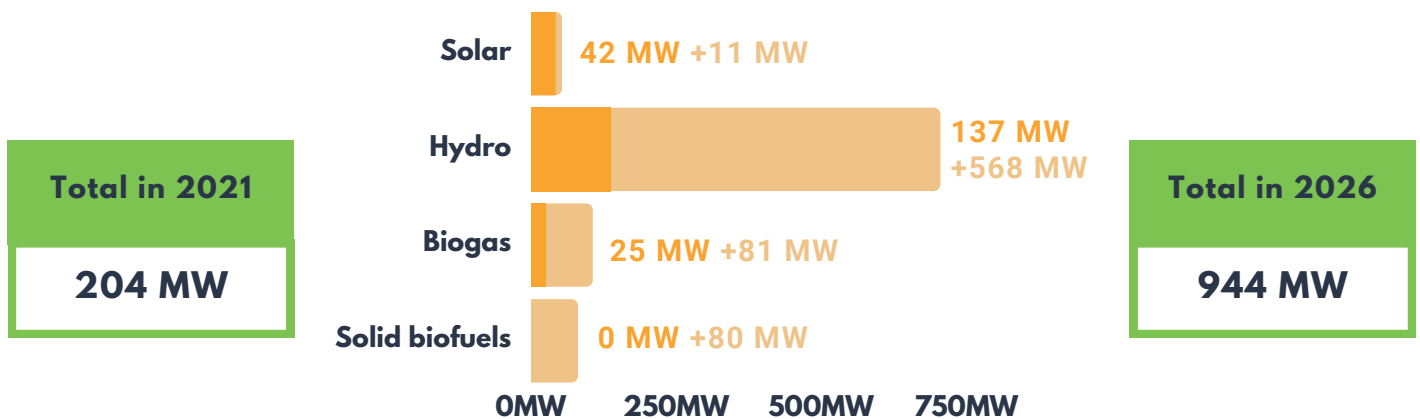


26%



46%

RENEWABLE ENERGY INSTALLED CAPACITY AND PROJECTIONS 2026



REGULATORY FRAMEWORK

- The National Energy Policy of 2015 has a clear tendency to encourage **private investment**
- Most of the existing funding programs in the country are aimed at financing **rural electrification projects** through off-grid systems

Data gathered with the support of Minsait. Full references available in the published report - June 2022

OPPORTUNITIES

Mini-Grids & Off-grids



Due to Rwanda's high hydropower resource potential and geographical characteristics, **small and medium hydro power plants** will be highly developed in the coming years.



Smart Grids

Rwanda is facing significant challenges for the implementation of smart grids, yet there are **some ongoing projects**. Smart grids development opportunities are linked to off grid solar home systems, and especially to incident management solutions.

Energy Storage



In the last 5 years, there is a growing activity related to energy storage solutions in Rwanda, **driven mainly by foreign private companies**.



Electrical Equipment

Rwanda's electrical equipment market is still very low. However, the Rwandan Ministry of Infrastructure has set out **several initiatives for investors** interested in the energy sector, such as free taxes on electrical equipment during energy projects development.

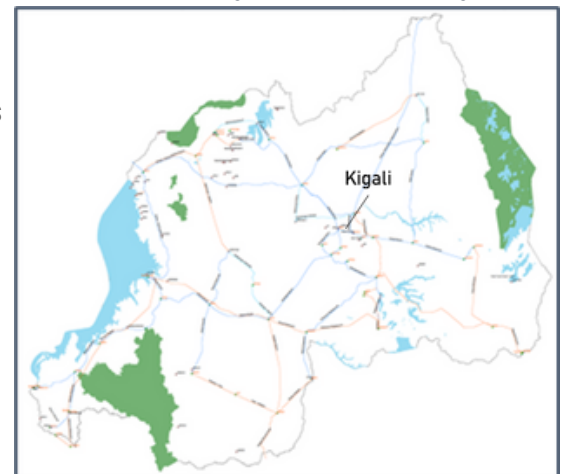


+ 2,513,000 **+ 44%**
(2015-2019)

People connected to solar mini and off-grid systems

- Existing transmission lines
- Ongoing
- Planned

Rwanda planned electricity connections by 2030



RESEARCH & DEVELOPMENT

- ▶ The African Centre of Excellence in Energy for Sustainable Development is the only R&D centre exclusively dedicated to renewable energies
- ▶ **Smart grids** have been identified by the Government as one of the destinations for RE R&D due to their relevance

KEY STAKEHOLDERS

- ▶ High number of stakeholders in RE compared to the country size
- ▶ **IPPs are relevant stakeholders** and exploited, in 2021, around 51% of the country's total installed capacity

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