

Who in Africa is Ready for Nuclear Power?

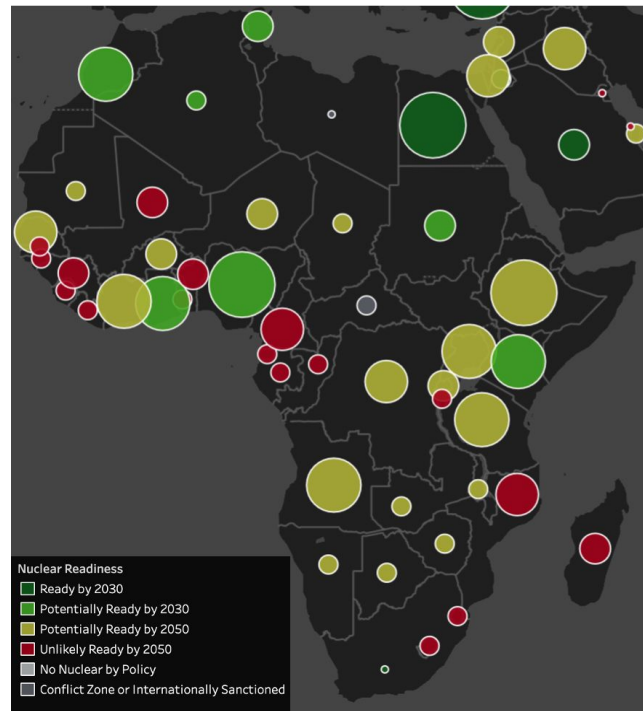
Demand for electricity across Africa will grow many times over by 2050. Nuclear power is a potential source of clean power to drive industrialization and growing incomes, especially with new [smaller, safer, and more flexible designs](#) expected to come to the market over the next decade. But which African countries are ready for nuclear technology? And where will be the largest demand for additional power? The Energy for Growth Hub and Third Way [created an interactive map](#) that projects electricity demand and assesses nuclear readiness:

1. Only Egypt and South Africa are ready today (dark green)

- **Egypt** has awarded a [\\$25 billion contract](#) to Rosatom for a 4.8GW power plant, with construction expected to begin soon.
- **South Africa** already operates a [nuclear power plant at Koeberg](#).

2. Seven more could be ready for nuclear by 2030 (light green)

- **Algeria** operates a research reactor and plans to commission a plant.
- **Ghana** operates a research reactor and aims to replace gas fired generation with nuclear power in the 2030s.
- **Kenya** is developing a policy organization and regulatory regime with aims to develop a [1GW power plant by 2035](#).
- **Morocco** operates a research reactor, engages with the IAEA, and [has long expressed interest](#) in nuclear power for uses such as desalination and electricity.
- **Nigeria** operates a research reactor and has signed deals with foreign suppliers such as Russia to build a proposed 2.4GW power plant.
- **Sudan** has engaged with the IAEA on an infrastructure review and signed agreements with supplier countries like Russia and China.
- **Tunisia** originally hoped to [develop nuclear power by 2020](#) and has remained actively [engaged with supplier countries](#).



3. An additional seventeen countries have taken steps toward becoming ready and could be potential markets by 2050 (yellow)

For more detailed information, our full checklist is [here](#).