Aloe Energy research

Grows where the grid hasn't.

Eastern and Southern Africa, 2035 and beyond

Planned lines and power plants, drawn over today's grid

18 countries · 583 power plants planned or being built (194,150 MW) · 48 transmission projects · 41 master plan links

Edition 1 · Data as of November 2026



How to read the map

- 765 kV
- 500–533 kV
- 400 kV
- 350 kV
- 330 kV
- 275 kV
- 220 kV
- 132 kV
- 110 kV
- 88 kV
- 66 kV
- Voltage not recorded
- Dotted: missing from OpenStreetMap, from utility or World Bank maps
- Grey: lines in neighboring countries
- Dashed: transmission project (indicative route)
- Faint dashed: undated or concept
- Dotted: master plan interconnector

Power plants, 10 MW and above

- Hydro
- Coal
- Gas
- Oil
- Solar
- Wind
- Geothermal
- Biomass
- Nuclear
- Storage
- Other

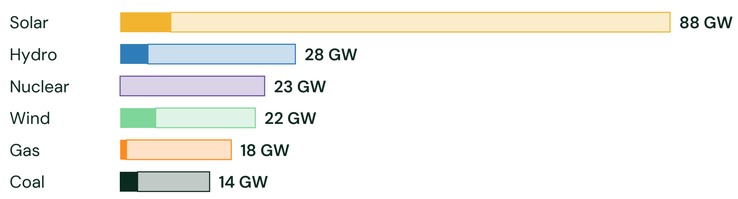
50 MW · 500 MW · 2,000 MW · ring: not yet built

Town or city

In numbers

- **194 GW** in 583 power plants planned or under construction, against 112 GW running today
- **48** transmission projects not yet in service
- **46 of 54** projects with a promised date now expect to finish later than first promised, or have no date
- **41** interconnectors in the master plans

What is being built and planned



Solid: under construction (22 GW). Light: planned (172 GW).

Projects to watch

- **JER Green Hydrogen Solar PV Project (Mozambique), 12,000 MW**
  Planned · 2028
- **JER Green Hydrogen Solar PV Project (South Africa), 12,000 MW**
  Planned · no date
- **Nakasongola nuclear power plant, 7,200 MW**
  Planned · no date
- **Kiruhura nuclear power plant, 4,800 MW**
  Planned · no date
- **Tana River nuclear power plant, 4,000 MW**
  Planned · 2035
- **Nyakanazi–Kigoma 400 kV (North West Grid)**
  Line complete, substations finishing · 2026 · first promised 2023
- **Uganda Karuma–Kawanda 400 kV (Karuma evacuation)**
  Commissioning · 2024 · first promised 2018
- **Mozambique–Malawi interconnector (MoMa)**
  Commissioning · 2026 · first promised 2024
- **Tanzania–Zambia interconnector (TAZA), Tanzania section**
  Under construction · 2026
- **Rwanda–DR Congo 220 kV (Goma–Gisenyi, Goma–Bukavu)**
  Under construction · about 2027 · first promised 2025

Sources. Transmission lines: contains information from OpenStreetMap, which is made available under the Open Database License (ODbL), extracted 4 November 2026; lines missing from OpenStreetMap from Kenya Power (KPLC GIS), SNEL / World Bank DRC EASE (2018), route approximate, TANESCO / AICD, World Bank 2017 (DRC), World Bank 2017 (Mozambique), World Bank 2017 Africa grid. Power plants: Global Energy Monitor Global Integrated Power Tracker (September 2026, CC BY 4.0), a project register built from public sources, WRI Global Power Plant Database v1.3, OpenStreetMap and the World Bank AICD inventory. Transmission projects: utilities, power pools, funders and news reports; master plans: EAPP master plan 2014; Madagascar least-cost plan (PDMC 2018); SAPP master plan 2025–2045 (draft). Towns: GeoNames (CC BY 4.0). Boundaries: Natural Earth.

Routes are indicative, drawn substation to substation. This map is for information only, not for engineering, investment or navigation decisions. Boundaries and names do not imply any view on their status. *Free to print and share for non-commercial use with credit to Aloe Energy, unchanged (CC BY-NC-ND 4.0).*
Download both sheets at aloeenergy.org/posters. The companion sheet shows today's grid.

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