Aloe Energy research

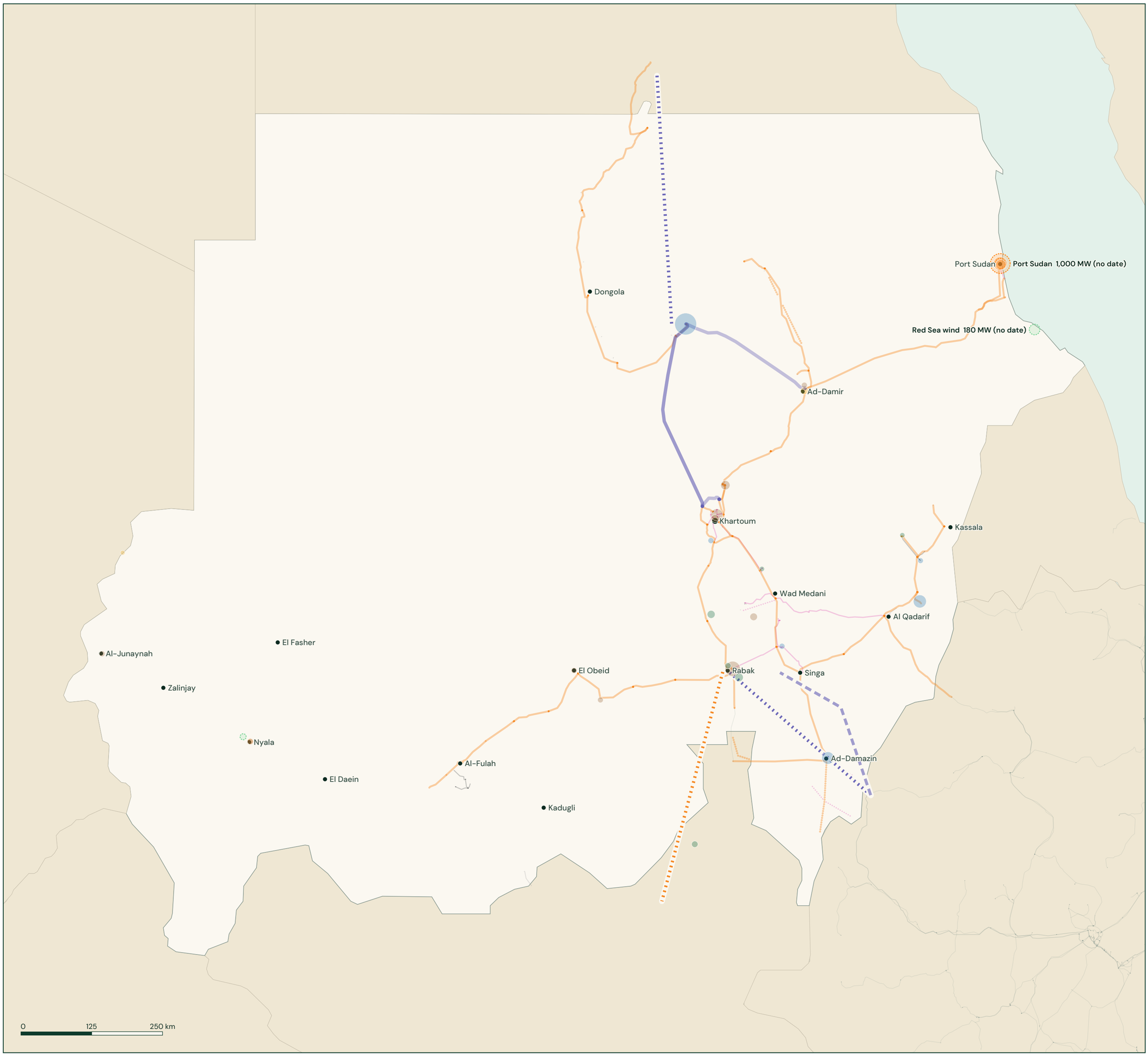
Grows where the grid hasn't.

Sudan's power grid, 2035 and beyond

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

4 power plants planned or being built (1,370 MW) · 1 transmission projects · 3 master plan links

Edition 1 · Data as of November 2026



How to read the map

- 500–533 kV
- 220 kV
- 110 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
- Gas
- Oil
- Solar
- Wind
- Biomass

20 MW · 200 MW · 1,000 MW · ring: not yet built

Town or city

In numbers

- **1.4 GW** in 4 power plants planned or under construction, against 3.8 GW running today
- **1** transmission projects not yet in service
- **1 of 1** projects with a promised date now expect to finish later than first promised, or have no date
- **3** interconnectors in the master plan

What is being built and planned



Solid: under construction (0.2 GW). Light: planned (1.2 GW).

Projects to watch

- **Port Sudan power station, 1,000 MW**
  Planned · no date
- **Red Sea wind farm, 180 MW**
  Planned · no date
- **Nyala wind farm, 20 MW**
  Planned · no date
- **Ethiopia–Sudan second interconnector 500 kV**
  Feasibility · about 2032 · first promised 2020

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 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. 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.

Aloe Energy

© 2026 Aloe Energy research

Edition 1, November 2026