Aloe Energy research

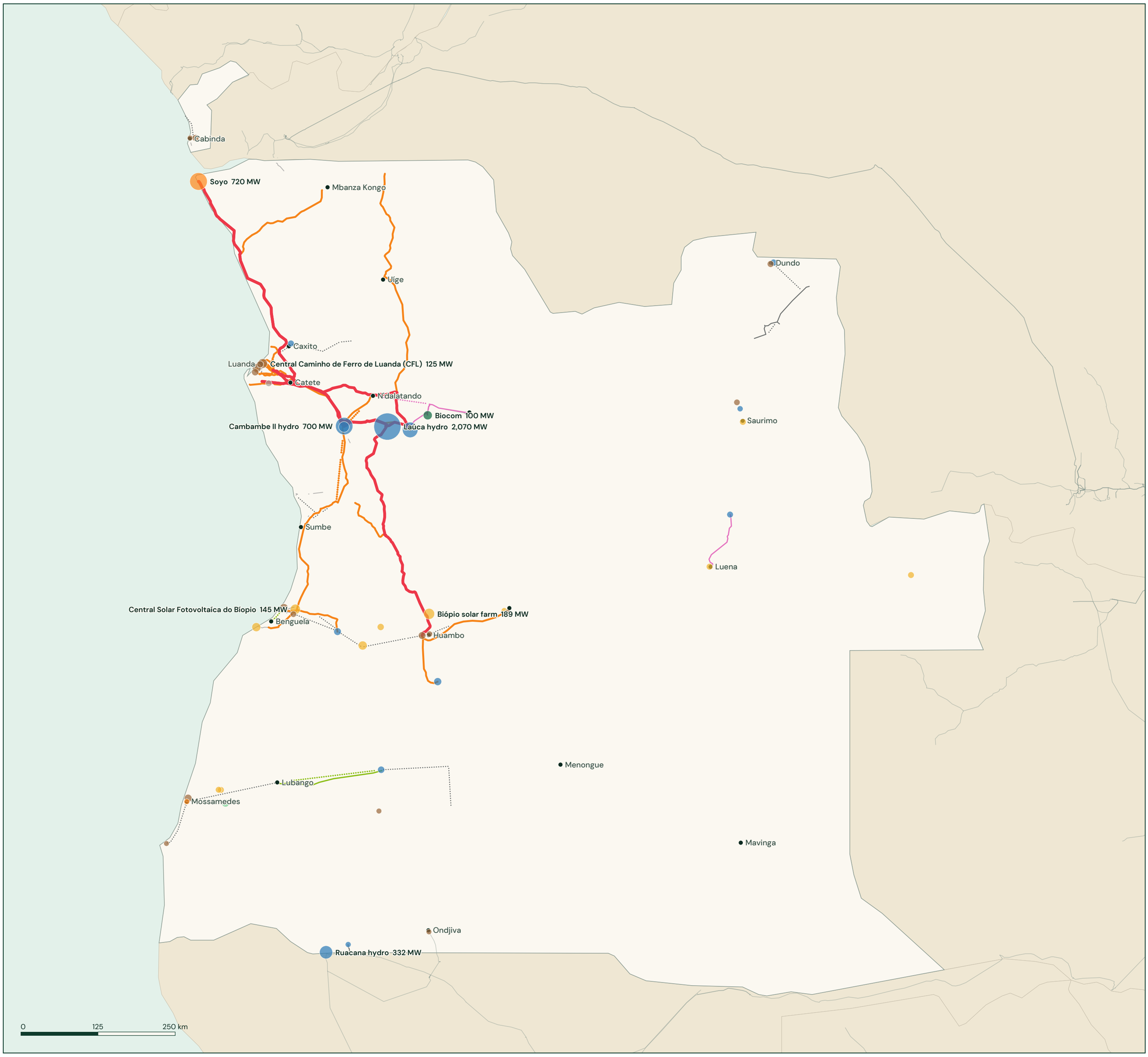
Angola’s power grid today

The high-voltage grid and the power plants running in November 2026

7,023 km of lines, 66 kV and above · 46 power plants of 10 MW and above (6,329 MW)

Grows where the grid hasn’t.

Edition 1 · Data as of November 2026



How to read the map

- 400 kV
- 220 kV
- 132 kV
- 110 kV
- 66 kV
- Voltage not recorded
- Dotted: missing from OpenStreetMap, from utility or World Bank maps
- Grey: lines in neighboring countries

Power plants, 10 MW and above

- Hydro
- Gas
- Oil
- Solar
- Wind
- Biomass
- Other

20 MW · 200 MW · 1,000 MW

Town or city

In numbers

- **6.3 GW** in 46 operating power plants of 10 MW and above
- **7,023 km** of mapped transmission lines, 66 kV and above
- **56** substations mapped
- **64%** of operating capacity is hydro

What runs Angola today



- Hydro 4,069 MW (64%)
- Gas 732 MW (12%)
- Solar 704 MW (11%)
- Oil 650 MW (10%)
- Biomass 100 MW (2%)
- Wind 50 MW (1%)

Largest power stations

Laúca hydro (hydro)	2,070 MW
Soyo (gas)	720 MW
Cambambe II hydro (hydro)	700 MW
Capanda hydro (hydro)	520 MW
Ruacana hydro (hydro)	332 MW
Biópio solar farm (solar)	189 MW
Cambambe I hydro (hydro)	180 MW
Central Solar Fotovoltaíca do Bíopio (solar)	145 MW
Central Caminho de Ferro de Luanda (CFL) (oil)	125 MW
Biocom (biomass)	100 MW
Benguela solar farm (solar)	97 MW
Baía Farta solar farm (solar)	96 MW

Plus 34 smaller plants on the map.

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: 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 the plans to 2035 and beyond.

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