Aloe Energy research

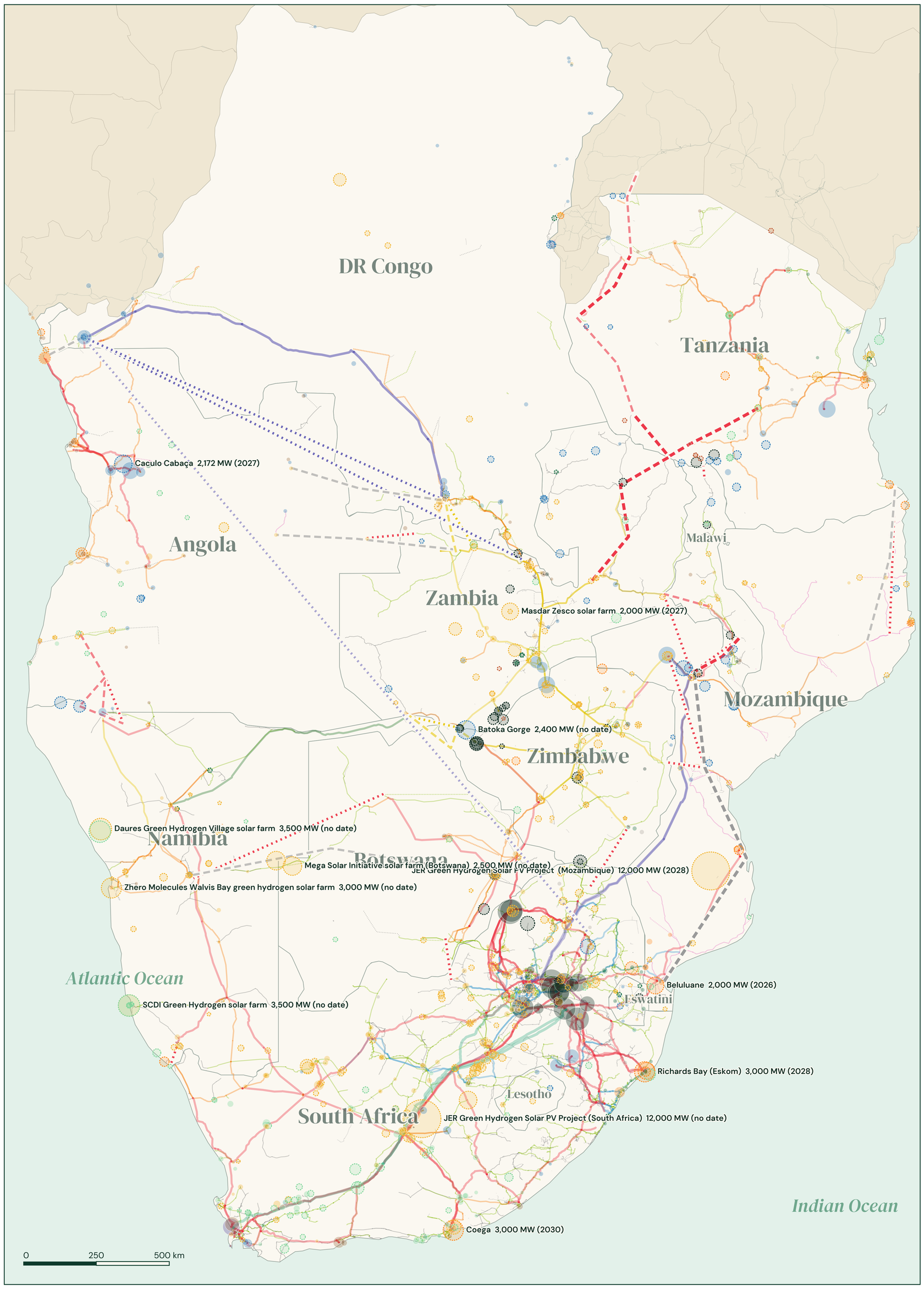
Grows where the grid hasn't.

The Southern African Power Pool, 2035+

Every planned line and power plant, and the draft master plan to 2045

12 member countries · 465 plants in the pipeline (150,453 MW) · 18 transmission projects · 23 master plan links

Edition 2 · 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: line missing from OpenStreetMap, taken from utility or World Bank maps
- Faded: grid and plants running today
- Dashed: transmission project in its voltage color (indicative route)
- Faint dashed: undated or concept
- Dotted: SAPP master plan 2025–2045 (draft) interconnector

Power plants, 10 MW and above

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

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

The region in numbers

- **150 GW** in 465 power plants planned or under construction, more than the 95 GW running today
- **75%** of planned new capacity actually delivered, 2012–2021
- **85 GW** peak demand by 2045 in the draft master plan
- **23 links** new interconnectors in the draft master plan

Master plan timeline (draft)

2026	MoMa, RSA–Nam
2027	ANNA, DRC–Zam, BOSA
2028	TAZA, MOZA, ZIBO, ZIZA, ZANA, MoTa, DRC–An, MaZa
2029	BONA, STE, MOZI
2030	ZISA, AO–ZM, MaTa
2032	DRC–ZA, Inga–Kolwezi, BOZA
On hold	Inga3–RSA

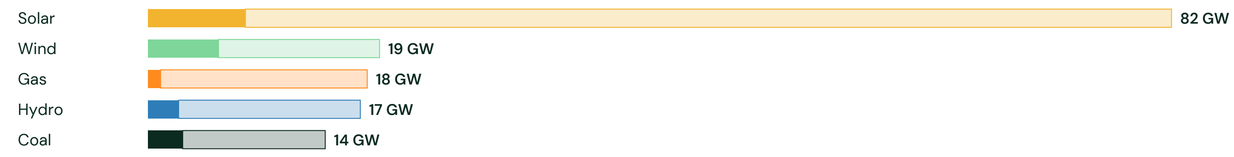
Projects to watch

- **Tanzania–Zambia interconnector (TAZA), Tanzania section**
  Under construction · 2026 · World Bank, AFD, EU
- **Mozambique–Malawi interconnector (MoMa)**
  Commissioning · 2026 · World Bank, Norway · +2 yrs
- **Angola–Namibia interconnector (ANNA)**
  Procurement · about 2029 · World Bank, SADC-PPDF
- **ZiZaBoNa interconnector**
  Feasibility done · about 2030 · NEPAD-IPPF
- **Mozambique north–south backbone (Mphanda Nkuwa)**
  Structuring · 2034 · AfDB · +6 yrs
- **Caculo Cabaça, 2,172 MW**
  Under construction · 2027 · Chinese lenders, German export credit · +3 yrs
- **Mphanda Nkuwa, 1,500 MW**
  Development · 2034 · AfDB, World Bank, IFC · +6 yrs
- **Batoka Gorge, 2,400 MW**
  Pre-procurement · no date · AfDB, Zambia, Zimbabwe
- **Mpatamanga, 361 MW**
  Pre-construction · about 2031 · IFC, World Bank, BII, TotalEnergies

Promised in 2017, and where things stand now

Project	2017 Pool Plan	Now (November 2026)
Batoka Gorge (ZMB/ZWE), 2,400 MW	2023	No date; equity pledged 2026
Mphanda Nkuwa (MOZ), 1,500 MW	2028	2034
Inga 3 and 4 (COD)	4,800 MW by 2030	No date
Stiegler's Gorge, now Julius Nyerere (TZA)	2036–2039	Commissioned 2026, 13 years early
Inga – Angola link	2020	Soyo – Inga, 2028 in draft plan
Mozambique STE backbone	2023–2028	2029 in draft plan; 2034 with Mphanda Nkuwa

What is being built and planned



Solid: under construction (20 GW). Light: planned (131 GW). Plants of 10 MW and above, Global Energy Monitor and our register.

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 TANESCO (2015), the World Bank Africa electricity grid (2017) and national grid maps, CC BY 4.0. 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. Statistics, transfer limits, project updates and the draft Generation and Transmission Master Plan 2025–2045: Southern African Power Pool (monthly report August 2026, Annual Report 2022, Pool Plan 2017). Boundaries: Natural Earth.

Line colors follow the Southern African Power Pool's own grid maps: solid for existing lines, broken for proposed ones. Planned 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/research/sapp-grid. Edition 2; the companion sheet shows the region today.

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