

Australian battery farm competition heats up

Elon Musk's offer to South Australia to shore up its troubled power grid within 100 days, or deliver a solution for free, is facing tough competition from rival clean energy companies keen to capitalise on the state's plight

TESLA BATTERY FARM

Musk is offering to construct massive 100 megawatt-hour battery farm, similar to this 80MW one in California

Hundreds of **Powerpacks** charged up using off-peak electricity. Discharged back into grid when needed most, at peak times

Substation: Connects farm to electricity grid

Powerpack: Holds array of 16 **Tesla Model S** car battery packs

7,000 power cells, slightly bigger than AA batteries



Feb 2017 heatwave: Inadequate power to meet demand leads to blackouts

SELECTED COMPETITION

- **LG Chem** (KOR) and partner
- **Zen Energy** (AUS) using batteries from **Greensmith** (USA)
- **Lyon Group** (AUS) in partnership with **AES Corp** (USA)
- **Carnegie Clean Energy** (AUS) and **Lend Lease Corp** (AUS), using **Samsung** (KOR) SDI batteries
- **Equis Energy** (SIN), has ambitions to build two solar power plants in Australia
- **redT Energy** (GBR), vanadium energy firm, and undisclosed partner

Sources: Tesla, wire agencies

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