

Planning & Design



PROJECT INFORMATION:

Project Status: In development

Location: Monbulla, South Australia

BESS capacity: Estimated
400MW/8 hour

Technology: Battery
Energy Storage System

The Krongart Battery Energy Storage System (BESS) is a proposed project located near Krongart, South Australia.

The proposed Krongart BESS project has an estimated 400MW/8 hour capacity and is located on cleared farmland on Old Kalangadoo-Penola Road, Monbulla. The BESS project is expected to assist in managing energy flow across the electricity grid, reduce price volatility and enhance grid reliability, while enabling dispatchable, affordable and reliable energy with fewer emissions.

The BESS will use advanced Lithium Iron Phosphate (LFP) batteries (or similar), battery chargers and control systems in containerised battery units. At approximately 6m long, 3m wide, and 3m high, the containers will be finished in neutral colours to reduce visual impact in the surrounding landscape.

In addition to the battery units, the Krongart BESS will include power conversion systems (inverters), which convert the direct current (DC) electricity from the batteries into alternating current (AC) for the grid. The site will also feature an onsite high-voltage substation, which is crucial for increasing the electricity voltage to transmission levels. The substation will feature transformers, switchgear, transmission towers and associated equipment.

The project will go through planning approvals in 2026 and 2027, and is expected to commence construction by early 2028.

What is the planning pathway?

TE H2 will submit the Krongart BESS project through the South Australian *Hydrogen and Renewable Energy Act 2023* (HRE Act). TE H2 may also refer the project to the Federal Government for approval under the *Environmental Protection & Biodiversity Conservation Act 1999* (EPBC).

As the final design and construction for the Krongart BESS is refined, further permits and secondary approvals may be required.

TE H2 will undertake community consultation, and will keep the local community, landowners, neighbours, and interested stakeholders updated as the project progresses through approvals.

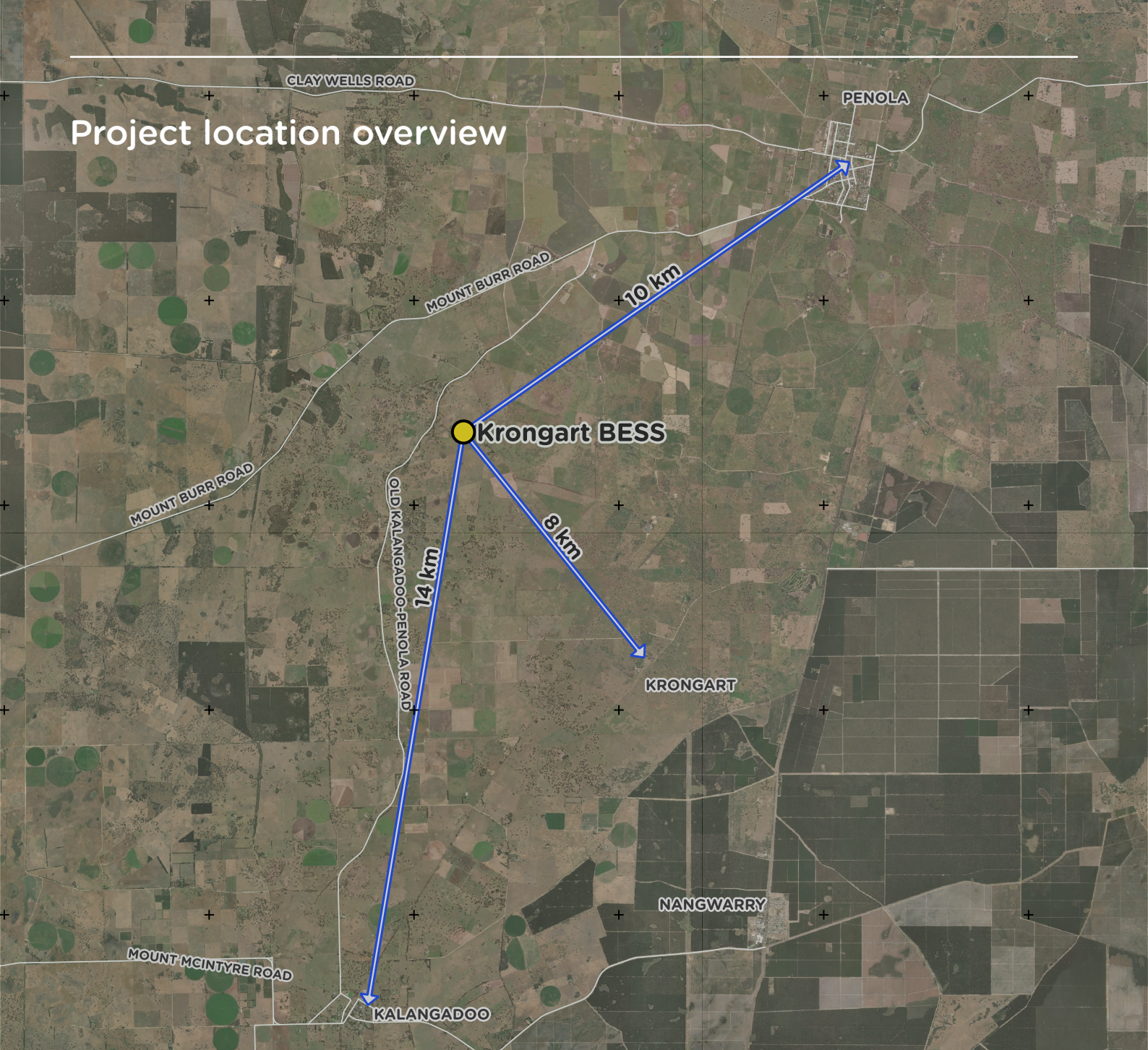
Who is TE H2?

TE H2 is a partnership between TotalEnergies and EREN Groupe (EREN) dedicated to developing large-scale renewable energy projects, with a key focus on delivering affordable and reliable energy with fewer emissions. Our goal is to deliver more competitive, affordable, reliable and sustainable energy and achieve net zero with society, recognising the pivotal role in which competitive energy helps to create a sustainable economy.

Across the globe, TE H2 affiliates own over 26 GW of gross installed renewable electricity capacity, with TE H2 itself boasting a pipeline of over 50 GW of projects in six countries.

In Australia, we are a team of 20 professionals dedicated to the development of clean energy.

Project location overview



Project design

In addition to the battery units, conversion systems and substation, the Krongart BESS project site will also have a parking area, dedicated buildings for equipment storage and spare parts, and a central switchroom for real-time control and monitoring. A security fence will also delineate the site. Below is a concept design of the battery unit.



Contact us

For more information, or to chat to a member of the Krongart BESS project team, please contact us at:

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