

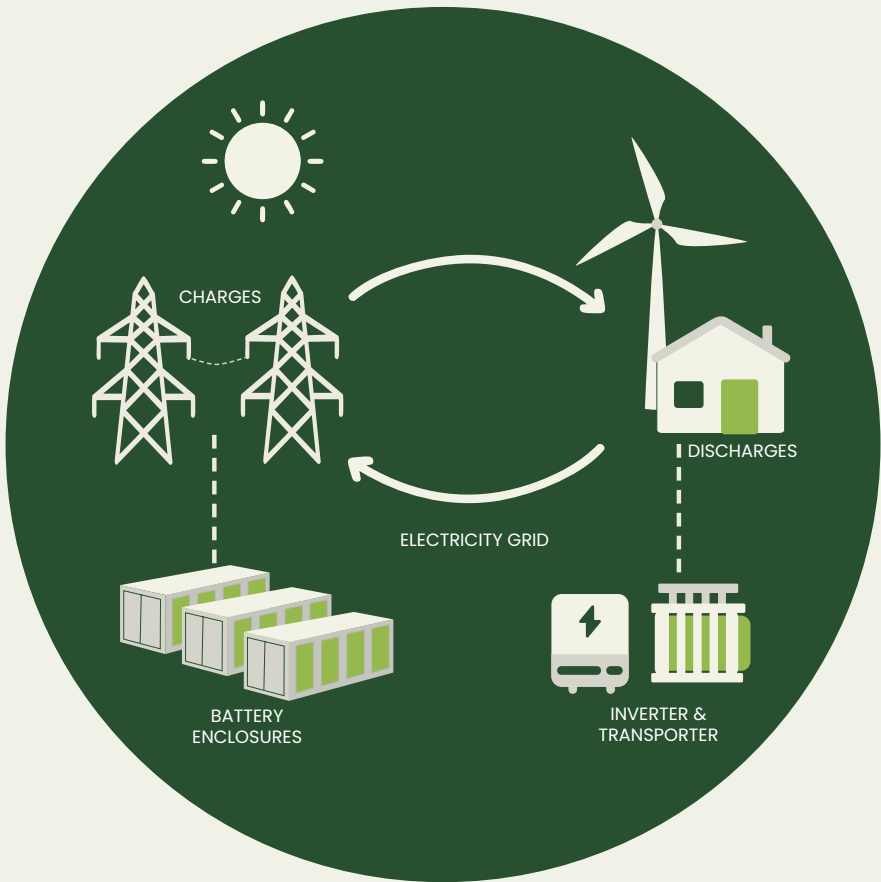
NOOK BATTERY ENERGY STORAGE SYSTEM



What is a Battery Energy Storage System?

A Battery Energy Storage System (BESS) is a large rechargeable battery that stores energy and supplies it back to the grid when demand is high or supply is low.

When renewable energy sources like solar, wind, and hydro are generating plenty of electricity during the day—and demand is low—the BESS stores the extra power. Later, in the evening or during peak times, it releases that stored energy back into the grid to help meet demand.



The Nook BESS will:



Add more battery storage to help power Tasmania and support the wider Australian energy network.



Help to keep the power supply steady when wind and solar energy are low.



Assist Tasmania's power grid to move toward clean, renewable energy like wind, solar, and hydro.



Support Tasmania's goal to double its renewable energy production and lead the way in clean energy.

Boosting the Grid: The Nook BESS project

The BESS will be able to store and deliver up to 280 megawatts of power and 560 megawatt-hours of energy.

The BESS facility will consist of shipping containers which are fitted with lithium-ion technology battery units and control equipment associated with inverters and power transformers. The layout will be arranged in a grid pattern with enough space to allow access around each unit. A substation will be constructed to enable connection via underground cabling to the closely located Sheffield Substation.

Construction will take up to 6 months followed by 6 months of commissioning. Once operation the facility will run 24 hours a day 7 days a week. The BESS will mainly be operated remotely with regular site inspections.

The battery will work alongside Tasmania's hydro, wind and solar power to make the state's energy system stronger and cleaner. It's part of the plan to reach 200% renewable energy generation, as promised by the Tasmanian Government. In addition, it will help reduce carbon emissions and secure clean and affordable energy for everyone.



Tasmania's future energy

- Helps make wind, hydro, and solar power more affordable and efficient
- Strengthens the power grid for greater reliability, especially during peak demand
- Encourages competition to help lower wholesale electricity prices
- Supports the Government's bold goal of achieving 200% renewable energy.



Local community

- Offers a tailored Community Benefit-Sharing Scheme designed to deliver real value
- Developed with local voices and input, so the project reflects community priorities and has meaningful outcomes.
- Opens doors for local tradespeople, suppliers and schools to get involved.



Regional economy

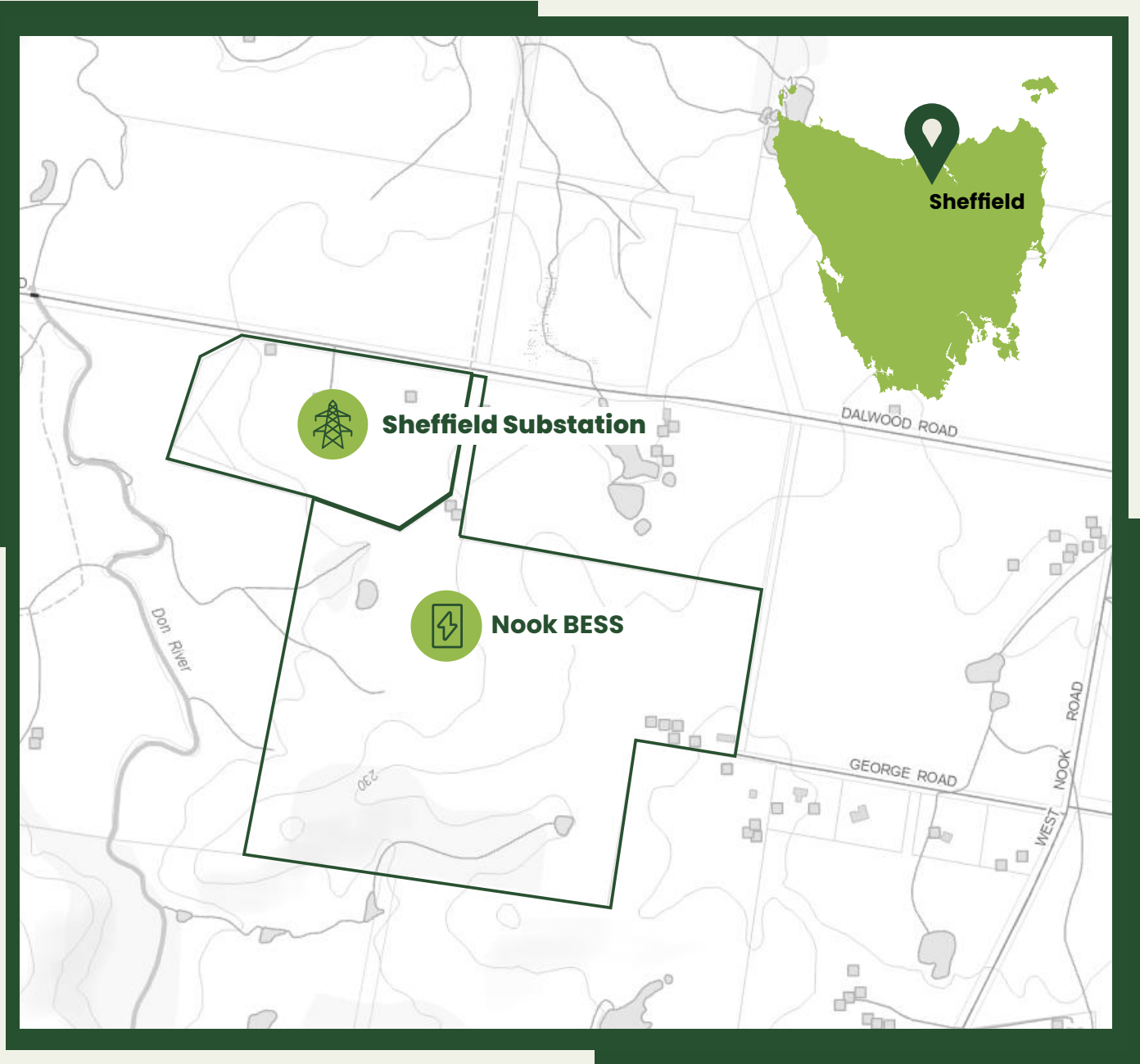
- Provides construction jobs for local workers
- Delivers long-term roles in operations and maintenance
- Attracts private investment that helps grow Tasmania's economy.

Where will the BESS be located?

The BESS is located on Dalwood Road, Nook in northern lutruwita/Tasmania. The site is 27 hectares, and the BESS footprint is 6 hectares.

The site was chosen due to its location next to Sheffield substation and its low environmental and heritage values. Historically the site been used for grazing and it is intended that this will continue once the BESS is operational.

The design and layout of the project will be carefully planned to reduce impacts on local residents. This will be informed by studies on noise, visual impacts and bushfire risk.



Project timeline

The following timeline outlines key phases of the Nook BESS project, from planning through to delivery and long-term operation.



Planning & approvals – 2025

In progress, Development Application submission to Kentish Council in late 2025.



Construction & commissioning – 2026

Once the design of the BESS has been finalised, construction will take up to 6 months followed by a 6 month commissioning period.



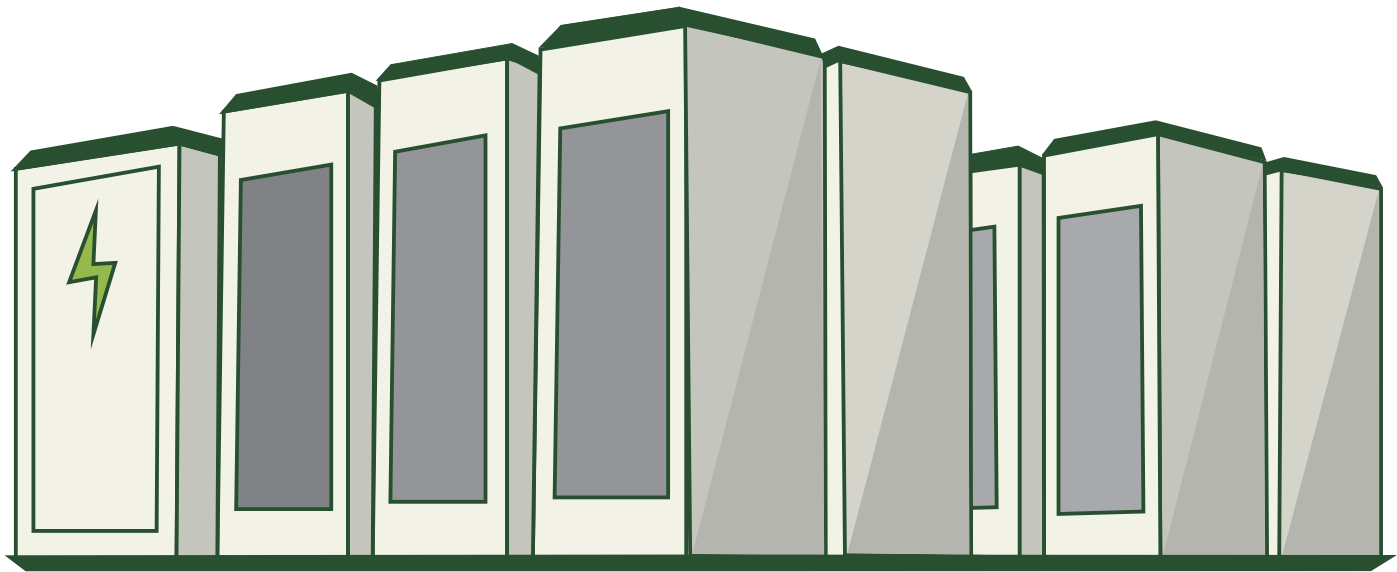
Operations – 2027

It is expected the BESS will be operational for up to 20 years.



Decommissioning

Current technology allows for more than 60% of materials to be recycled.



Frequently Asked Questions



Will the BESS make noise?

The BESS will make very little noise, mostly from cooling and electrical equipment. Bison is carrying out a noise assessment to help inform site design and ensure it meets regulations.



What is the fire risk?

The BESS will be built to meet all relevant safety standards, including strict fire safety measures. An emergency response plan will be in place to guide actions in case of fire or other risks.



Are there any health risks?

There are no known health risks from large battery systems. They use the same technology as household batteries and are considered safe for nearby communities.



Will the BESS be visible?

The BESS will only be partially visible from Dalwood Road due to it being set back from the road behind rolling hills. Vegetation screening will be established to minimise visibility of the BESS.



What Approvals are needed?

A development application will be lodged with Kentish Council for approval. There will be an opportunity for community comment as part of this process.



How can I get involved?

We will work with community throughout the development of the project, you can get in contact with the team at anytime on 1800 10 55 04 or at info@nookbattery.com.au

Meet the project team

Project lead

Bison Energy

Bison is a global company that develops and invests in large-scale renewable energy projects. With a portfolio that spans Japan, Australia, New Zealand, China, Italy, Romania, and the United States, Bison is focused on building clean, sustainable power plants that help protect the environment and support a greener future.

iSquared Capital

iSquared is a global infrastructure investor with teams based around the world, including investment experts, operators, and senior policy advisors. The company focuses on key sectors like energy and power, transport and logistics, digital infrastructure, and environmental and social initiatives. Since it began, ISQ has been actively developing and running projects that support the shift toward cleaner, more sustainable energy.

Project support

Era Advisory

Era Advisory is a Tasmanian-based consultancy known for its strategic insight and deep regulatory expertise. The firm brings together experienced practitioners united by a mission to create lasting, positive impact in the places and communities they serve. Specialising in project approvals and stakeholder engagement, Era guide projects efficiently through complex processes.

Technical Consultant Team

Bison have worked closely with a number of specialised technical consultants to design and plan the BESS. This has included assessing the project against the relevant standards, so the project meets Government regulations and minimises impacts.

Get in touch

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