X-ELIO

South Burnett BESS Project

Powering Queensland's Future with Clean, Reliable Energy

About the Project

X-ELIO is developing the *South Burnett Battery Energy Storage System (BESS)* on Ellesmere Road in Alice Creek, approximately 220 km north-west of Brisbane.

The BESS will occupy approximately 8 hectares and house lithium-ion battery containers and power stations. Each battery unit will stand around 2.5 metres tall and be housed in steel cabinets similar in size to shipping containers. These cabinets are designed to be dust- and waterproof, with internal cooling systems, fire suppression systems and light-coloured exteriors to help manage heat.

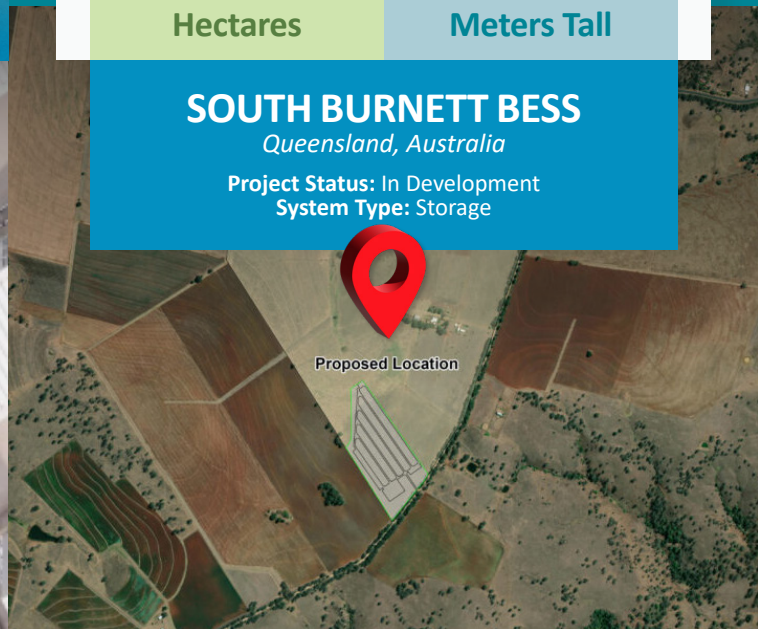
8 Hectares

2.5 Meters Tall

SOUTH BURNETT BESS

Queensland, Australia

Project Status: In Development
System Type: Storage



Capacity and Benefits

The South Burnett BESS will deliver 300 MW of dispatchable energy capacity – enough to power around 60,000 homes per day. It will support renewable energy integration, reduce reliance on fossil fuels, and contribute to grid stability. The project is also expected to create 80- 100 jobs during construction and 5 ongoing roles once operational.

300MW
Dispatchable Energy Capacity

We are looking to work with the community to understand how we can best support local businesses, groups, and nearby communities during the construction period and operation of the project. Guiding our work is X-ELIO's Community Plan which outlines four community pillars:

What is a Battery Energy Storage System?

Battery energy storage systems store electricity and release it when needed – especially during periods of peak demand or when solar and wind aren't actively producing electricity. They act much like home solar batteries, but on a larger scale.

Lifecycle

The battery system is designed to operate for the next 25–30 years. Prior to decommissioning, X-ELIO will submit a Rehabilitation Exit Plan to the South Burnett Regional Council, outlining how the site will be restored and future land uses considered.

Project Progress

As the project moves through its early development phase and into construction, our goal is to ensure that everyone is informed about the project and can raise questions or concerns. To do this, we are staying in regular contact with landholders and neighbouring landholders and actively engaging with the local community. Recently, to develop our approach to traffic management, we have been engaging with key community members to understand local traffic patterns and identify practical solutions to any impacts that will occur during construction. These conversations have been helping us to design solutions and be sure that any impacts are clearly communicated in advance.

We will continue to provide updates and listen to feedback throughout all stages of development.

Recent milestones

Development approval received

In April 2025, South Burnett Regional Council approved the project, subject to conditions.

Site investigations underway

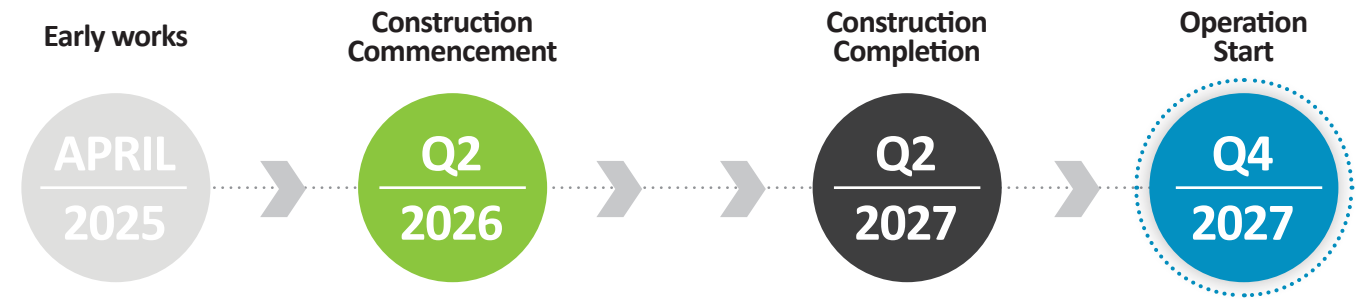
From July to November 2025, field teams have been working on and around the site to meet approval conditions. You may have seen our team members working in the area.

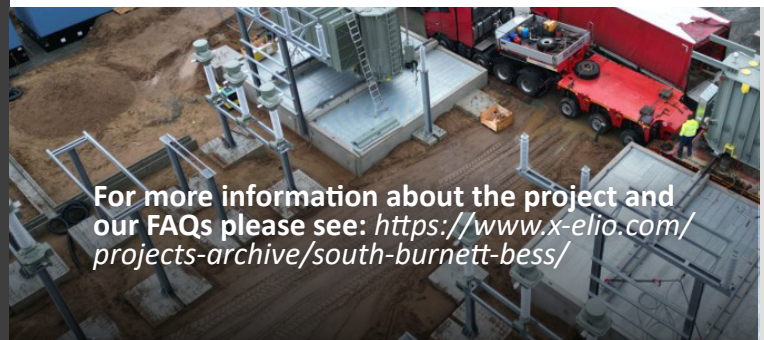
Grid Connection

Related to this project, we're also working with landholders and the South Burnett Regional Council to obtain approvals for an underground transmission line that will connect the BESS to the Powerlink Halys substation.

Next Steps

- Complete detailed technical studies
- Meet all approval conditions
- Begin construction (anticipated for mid 2026)
- Construction duration: ~18 months
- Launch of operations: Targeting end of 2027





For more information about the project and our FAQs please see: *https://www.x-elio.com/projects-archive/south-burnett-bess/*

Contact

If you have a question, would like to provide early feedback, or want to sign up to receive these updates by email, you can contact the project team at: *south.burnett.community@X-Elio.com*