



CASE STUDY >

CLIENT REPERESNTATION FOR THE HAZELWOOD BATTERY ENERGY STORAGE SYSTEM (HBESS) PROJECT

PROJECT OVERVIEW

The primary objective of constructing the Hazelwood Battery Energy Storage System, which has a power capacity & energy storage capacity of 150MW and 150MWh respectively, is to strengthen the stability of Victoria’s electrical grid. This particular initiative plays a crucial role in expanding the state’s energy resources and enhancing the reliability of the grid. Additionally, the Hazelwood site offers the advantage of already being a power generation facility and having available transmission capacity of 1,600MW, making it an ideal location for the integration of battery infrastructure.

SCOPE OF WORK

RSGx’s role on the HBESS project was to act as the owners engineer, representing the clients, stakeholders, and project teams on-site.

RSGx was also responsible for overseeing the development and construction of the battery energy storage system. This involved monitoring the project’s progress, identifying potential risks or issues and implementing strategies to mitigate or escalate them. They also managed relationships with contractors, suppliers, and service providers to ensure that all project deliverables were met within the agreed-upon timeline and budget.

Another important aspect of RSGx’s role was ensuring compliance with relevant regulations and maintaining accurate records of all installation activities. They also managed contractors and subcontractors, ensuring adherence to the client’s policies and procedures, as well as safety and quality standards.

SOLUTION

RSGx’s extensive knowledge and skills in battery storage solutions were instrumental in ensuring adherence to the project’s scope and successfully completion. RSGx effectively represented stakeholders, supervised construction activities, ensured compliance with regulatory requirements, managed relationships with contractors and suppliers, monitored project progress, maintained meticulous records, provided regular updates, and guarantee adherence to timelines, policies and safety protocols. The positive feedback received from the client played a significant role in the accomplishments achieved.

ACHIEVEMENTS TO DATE

Due to RSGx’s exceptional performance on the HBESS project, the company not only ensured that contractors adhered to the highest standards, but also made significant contributions to the successful implementation of an operational BESS project. A notable achievement was that the entire project was completed without any Lost Time Injuries (LTI), despite involving over 100,000 worked manhours.

This achievement, along with the groundbreaking nature of the HBESS project, has opened new opportunities for RSGx in the renewable energy sector. Being one of the pioneering installations of a large-scale industrial battery in Australia, the HBESS project holds immense significance in enhancing the resilience of the Victorian power network to meet future needs.

The seamless and safe execution of the HBESS project has cemented RSGx’s reputation as a trusted partner in the renewable energy industry. This continued partnership will enable RSGx to leverage their expertise and experience in delivering sustainable energy solutions that positively impact both the environment and the power infrastructure of Victoria.

CLIENT

WSP (Owners Engineer) - ENGIE & Eku Energy (Client)

SERVICES PROVIDED

**CLIENT REPRESENTATION
SITE MANAGEMENT
ENGINEERING**

SCOPE

**CIVIL
INSTALLATION
MECHANICAL & ELECTRICAL
COMMISSIONING**

INDUSTRY

RENEWABLE ENERGY

LOCATION

**HAZELWOOD POWER STATION,
MORWELL, LATROBE VALLEY,
VICTORIA**

