

# Components of a Battery Energy Storage System (BESS)



During normal operations, Battery Energy Storage Systems (BESS) are safe for environment and produce no emissions.



A BESS project is made up of numerous containers, which are approximately 6 metres in length and 3 metres in width.



Each container has built in individual mechanisms, such as a cooling system, safety and monitoring equipment, fire suppression system, audible and visual alarms, air circulation, and pressure relief system.\*



This energy dense system maximises space usage which means the BESS can store more energy in a smaller space.



Battery modules are placed onto individual racks within the container.



A BESS typically operates for up to 25 years. Once the BESS life cycle is complete, TE H2 will either re-energise the project site, or will safely decommission the containers. TE H2 will safely dispose of any elements that cannot be recycled.

