Components of a Battery Energy Storage System (BESS)

During normal operations, Battery Energy Storage Systems (BESS) are safe for the 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.

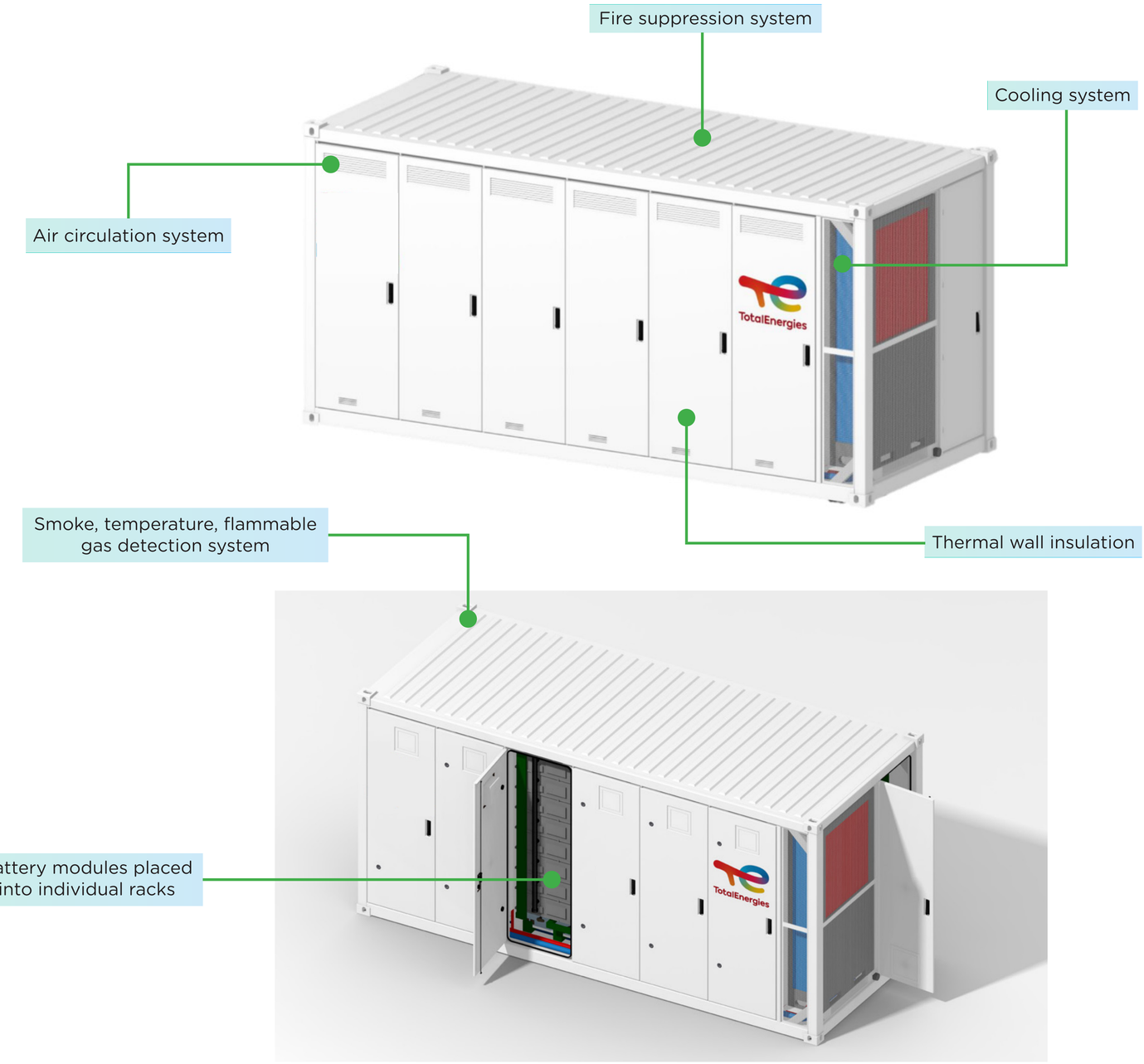
Each individual container has built-in safety management mechanisms, including a cooling system, safety and monitoring equipment, fire suppression system, audible and visual alarms, air circulation, and pressure relief system.*

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

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.

The design and type of BESS container may change before construction depending on availability and current technology.



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