

# Souda Bay BESS Project

Souda Bay, Greece



**STATIONARY  
SOLUTIONS**

Designed to maximise the self-consumption of  
loads from an adjacent solar PV field

## The Challenges



**Military bases are at the forefront of the energy transition**, striving to replace fossil fuels with renewable sources such as wind and solar. However, this transition is fraught with challenges. The military prioritises energy security and reliability, often relying on conventional fuels due to their established supply chains and proven performance.

Renewable energy sources may not consistently meet the stringent reliability and availability standards necessary for military operations. Although renewable technologies promise long-term savings, their initial investment costs are high, and military budgets are often tight and focused on immediate operational needs.

Additionally, the regulatory landscape for implementing new energy solutions is complex, with military bases needing to comply with both national and international regulations, which can complicate the transition to greener practices.

## The Solution



**To address these challenges**, the Stationary Business Unit of Leclanché partnered with its main suppliers to offer a comprehensive solution, providing a 1.2MW/2.609MWh Battery Energy Storage System with its new product called LeBlock™.

LeBlock size was designed to maximise the self-consumption of loads from an adjacent solar PV field.

Leclanché LeBlock Battery Energy Storage System is composed of high-safety, modular and scalable turnkey outdoor enclosures, including auxiliary components, thermal management and fire detection and suppression system.

On the software side, LeBlock Controller manages the batteries and related balance of plant equipment.

The Customer's Energy Management System communicates with the Leclanché LeBlock Controller to interface with the batteries through modbus protocol.



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**WE ARE ENABLING  
THE ENERGY TRANSITION**



**STATIONARY  
SOLUTIONS**



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**SPECIALTY BATTERY  
SYSTEMS**