

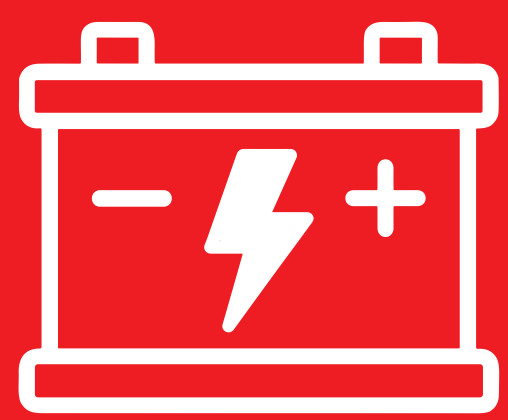
# HERRIES RANGE WIND FARM BATTERY STORAGE FACILITY



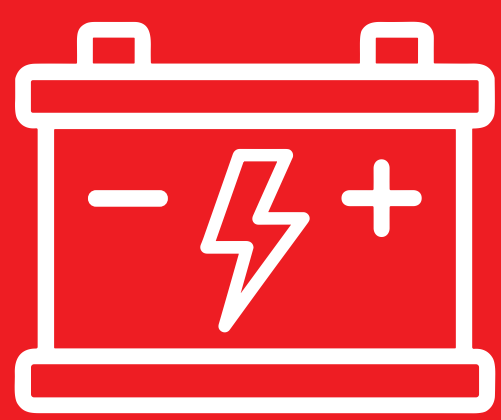
## ✚ BATTERY STORAGE FACILITY

ACCIONA Energía understands the importance of reliable and secure power supply and is increasingly looking to include battery storage with its renewable energy projects. This battery storage - known as a Battery Storage Facility (BSF) or Battery Energy Storage System (BESS) - is a collection of thousands of small batteries, typically made of lithium-ion cells.

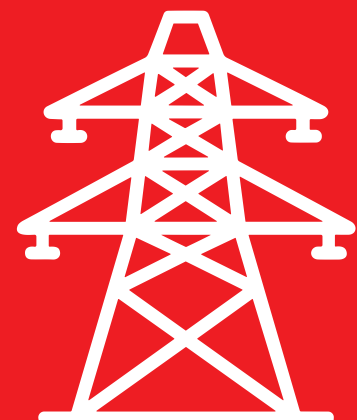
These batteries are connected to the electricity grid and can store the excess energy generated from renewables like wind farms and can also be recharged by the grid itself.



Store excess  
energy when  
demand is low



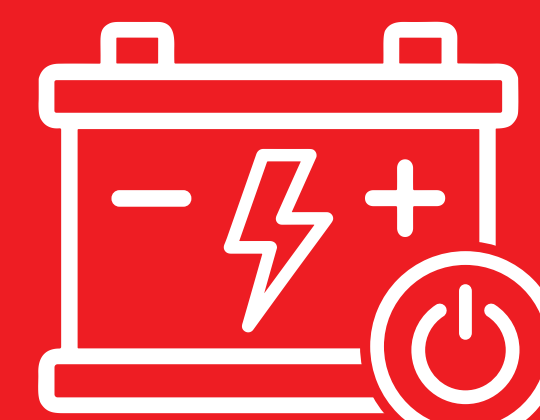
Release energy  
when demand  
increases



Help keep the  
grid stable



Lifespan  
20-25 years



Automatic  
shut-down



24/7 remote  
operations

## ✚ STORING ENERGY TO MEET DEMAND

Electricity generated by wind farms in Queensland typically increases in the evening and overnight while demand falls as people sleep and many homes and business reduce their electricity use. As a result, there is a mismatch between when electricity is generated and when it is consumed. Batteries work as energy storage devices, storing excess energy when demand is low and then releasing it when demand increases.

## ✚ BSF AND FIRE SAFETY

BSFs are designed with multiple layers of safety protection to minimise the risk of incidents, including built-in safety protections that ensure a failed battery unit is electrically and thermally isolated from surrounding equipment, reducing the risk of fire spreading. The facility will use advanced monitoring systems to continuously check battery performance and detect any abnormal conditions early.

Battery units are separated to limit the spread of heat and are surrounded by asset protection zones and non-combustible surfaces. Dedicated firefighting water supplies, environmental protection measures and emergency response plans will be in place to support safe operations.