

The Power of Battery Storage



Powering Resilience

Battery Storage will help ensure your business is 'always on' by removing the risk of disruption and ensuring continuity of your operations



Powering Performance

Battery Storage will help you generate on-site power and lower costs

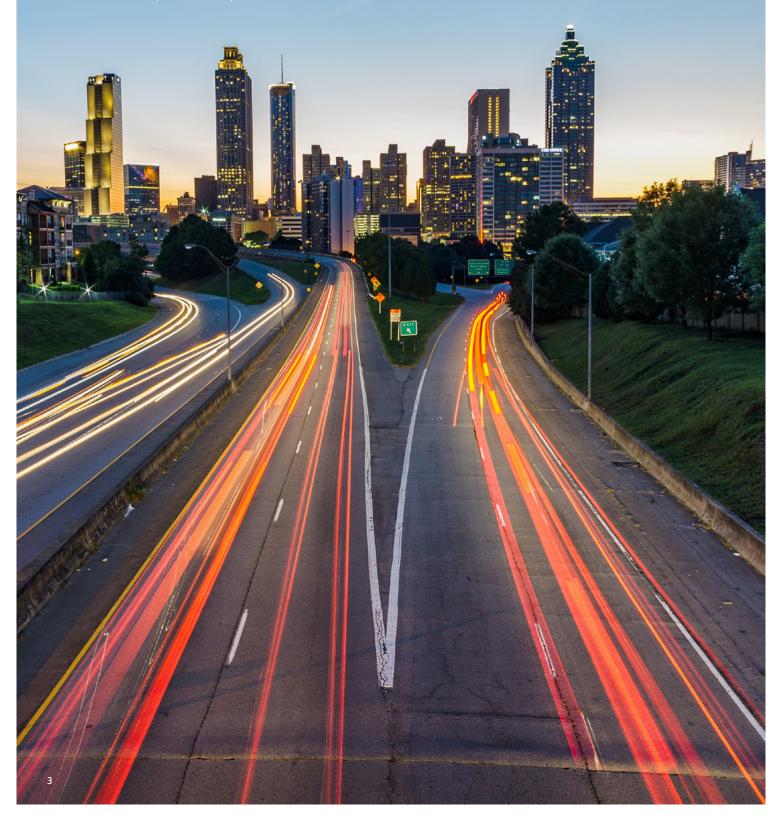


Powering Growth

Battery Storage will help you maximise your profits through the sale of excess energy generated

Don't underestimate battery power

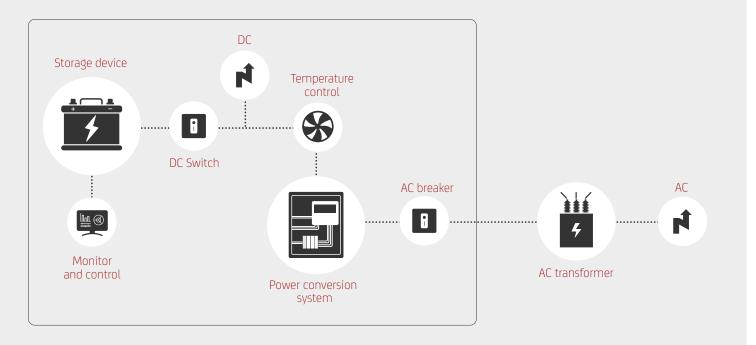
What if you could cut the cost of your energy during peak charge periods, rely on your power 100% during network failures and generate revenue from your own power?



How Battery Storage works

Batteries can be charged from many types of power source, including solar, wind, Combined Heat and Power (CHP), and the local grid. This electricity feeds down a cable into your Battery Storage system. The power is converted from DC to AC current and, at the time of day when energy costs peak, is released into your building's electricity system, helping you to power your business for less.

Battery energy storage system and primary power components



How batteries are stored

Battery cells are factory configured into 50kW racks, and stored within a temperature controlled enclosure, ensuring that the batteries perform consistently, avoiding losses through elevated and prolonged heat.

Cycles, charge rates and lifespan



Full Battery Cycles

The battery system will run through one charge cycle and one discharge cycle a day, enabling a daily full battery cycle



Power charge rate and capacity

Battery power capacity ranges from 500kW upwards, predicting and preparing for power issues



Battery life

Each battery is warrantied based on one full cycle a day







Battery Storage in action

Merchant power supplier Powering up the grid

Switching on

The customer's business function is to provide energy resilience to their local grid during peak demand, and they had to be in operation within 12 months of contract execution.

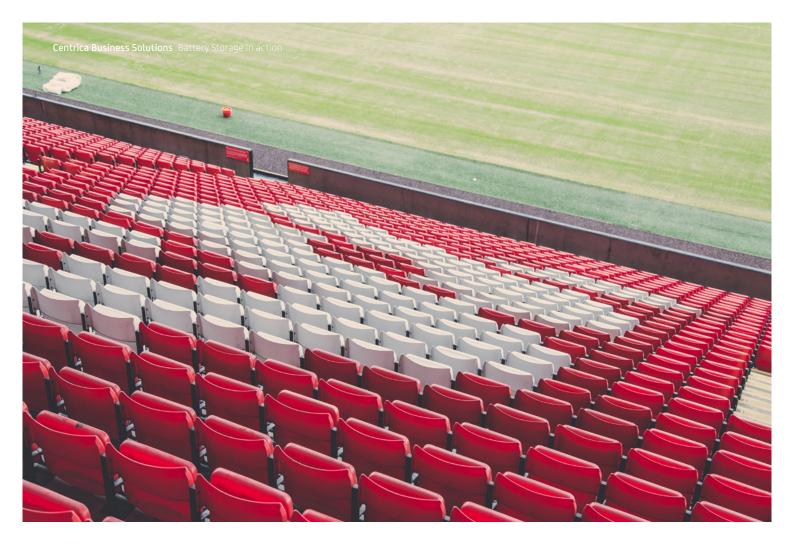
Plugging in

Centrica designed a power generation solution that integrated with the leased building the customer was based in, delivering a bespoke range of Battery Storage units that support their Power Generation units. All are monitored and managed by an automated station — offering low construction and operational costs over a long lifecycle.

Generating returns

Battery Storage installation was completed on schedule, allowing the customer to be fully operational and even able to offer power into the market at higher levels than they had envisaged, generating a higher return on their investment.





Battery Storage in action

Sports Arena Continuous play

Game plan

To ensure the continuity of all powerdependent activities throughout the arena, they required a battery storage solution that provided backup power – whilst keeping overall costs at a minimum.

Power on the bench

Centrica designed and installed a battery storage solution that provides continuous standby, housed in a soundproofed nearby enclosure, that was able to meet all of the customer's specifications and was delivered within the projected timeline.

Final results

Our Battery Storage solution for the sports arena was so effective, Centrica were invited to create a similar solution for a ferry terminal which serves as a main transportation hub for city commuters.



Why choose Centrica Business Solutions?

We work with you in partnership from the beginning, helping to create the best Battery Storage solution for your business. But we are with you for the long-term and offer unparalleled aftercare to ensure that you are maximising the potential savings. You also have the reassurance of Centrica's vast experience and knowledge of the energy industry, now — and for the future.

Want to know more?

Battery storage is generating new opportunities across all types of industry. Find out how we can help you power new levels of performance today.

centricabusinesssolutions.com

