



We shape and deliver integrated energy solutions that deliver cost efficiency, resilience and accelerate your journey to a low-carbon future



Energy
Efficiency



Energy Load
Management

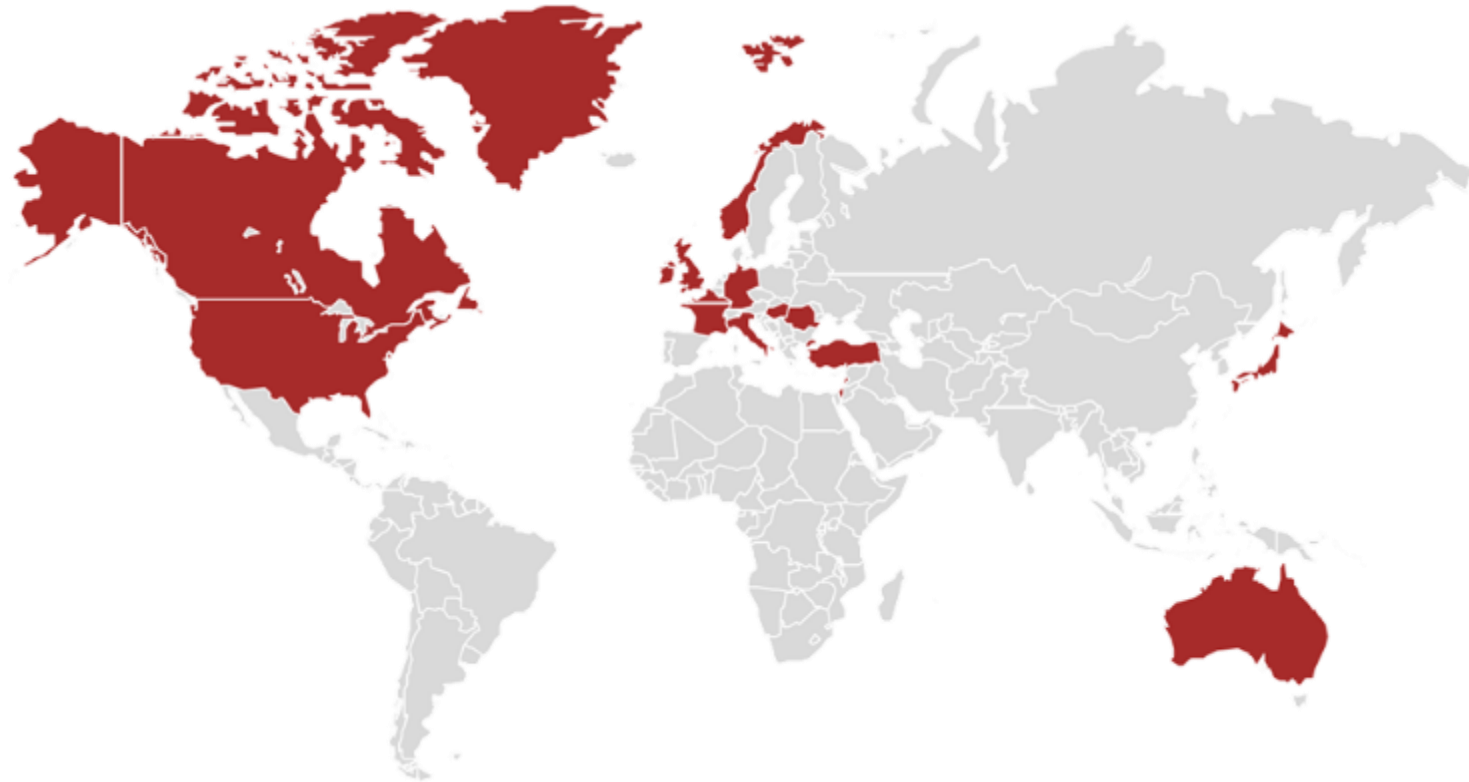


Solar and
Energy Storage



Optimization expertise around the world

- Global expertise in energy optimization, trading and management
- 5.0GW of flexible assets under management across the UK, Europe and North America
- Nearly 100 MWs of storage managed
- Up to 52% more revenue using our automated technology and in-house algorithms
- 99.6% delivery record of flexible power to system operator
- Supporting 150 of Europe's largest energy users with optimization
- 70 active and pending optimization patents



Rosecote Battery

£180
MILLION

Investment
program

50k
HOMES

Powered
by plant

49
MW

Battery
capacity

Battery storage plant supplies flexible power

Customer objective

Centrica Business Solutions wanted to build a battery storage plant on the Rosecote site to provide more flexible power to Cumbria.

The solution

The Rosecote battery holds enough power to meet the needs of around 50,000 homes. It can respond to fluctuations in demand in under one second. With a maximum capacity output of 49 MW, the equivalent of 123,000 batteries, Rosecote is one of the largest battery storage facilities in Europe.



Centrica's Virtual Power Plant

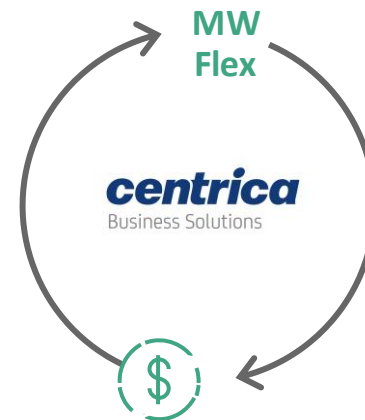
Value streams

Ancillary market

Capacity market

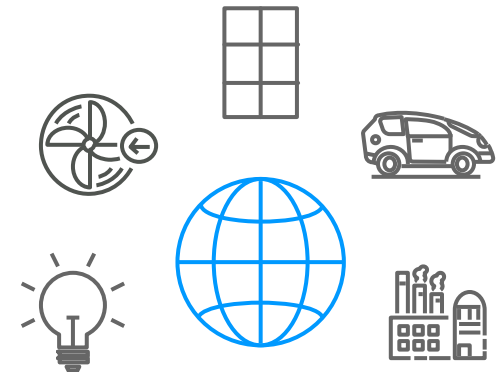
Imbalance market

Wholesale market



DERMS solution

Distributed energy resources



Unlocking potential revenue

New York City Housing Authority (NYCHA)

over
200

natural gas generators
providing 98MW of
power generation

100%

energy resilience
for 60,000
New Yorkers

Solution

Harnessing our state-of-the-art energy management platform PowerRadar™, Centrica Business Solutions can remotely ensure the availability of the generators for Demand Response events. This has significantly reduced NYCHA's overheads and derisked their ability to participate in Demand Response.

Over the coming years, NYCHA can expect to manage one of the largest Demand Response programs in the City, which will fund the O&M requirements of the generators. Most importantly, the solution secures the energy resilience of a subset of NYCHA's properties, so they're prepared for any power outages that may affect New York City in the future.



