



Turning Energy Flexibility into Profit for Food & Drink Manufacturers





Security

Is my business continuity at risk should there be a significant change to my energy supply?



Affordability

Will increasing energy costs prevent me from offering my products or services at a competitive price?

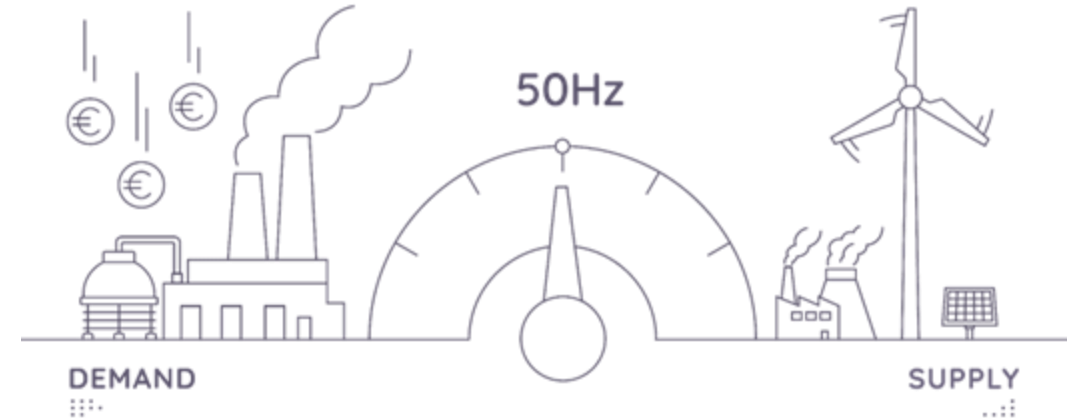
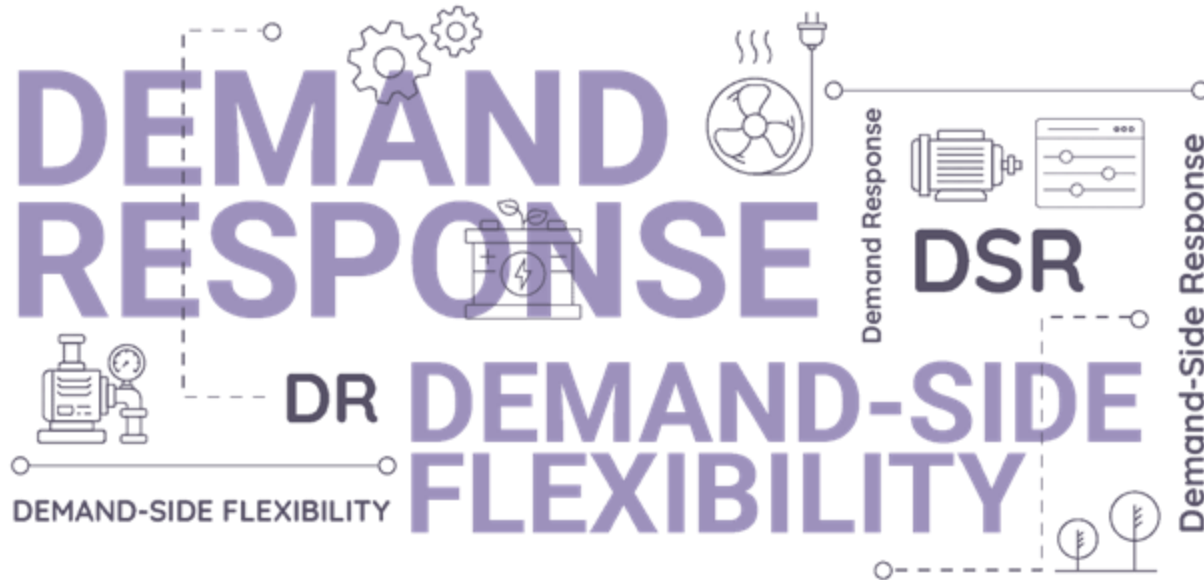


Green

Can my business deliver on its green commitments to the board, shareholders, employees and customers?

Creating energy flexibility

Understanding your own flexibility



Demand-side flexibility is a controlled change in power consumption by an electric utility customer to better match the available supply.

Where flexibility creates value

We take the complexity out of your decision making



CAPACITY MARKET

Capacity
market

Demand
Flexibility
Service

ANCILLARY SERVICES

Frequency
response

Reserve
services

CUSTOMER BENEFIT

Site
arbitrage

ENERGY MARKETS

Balancing
mechanism

Wholesale

The Importance of flexibility



What would be the impact of a **blackout** on your business?

If you had 4 hours warning, how would you respond?

The Capacity Market



Purpose

Ensure security of the national electricity supply by procuring capacity based on future forecasted demand levels.



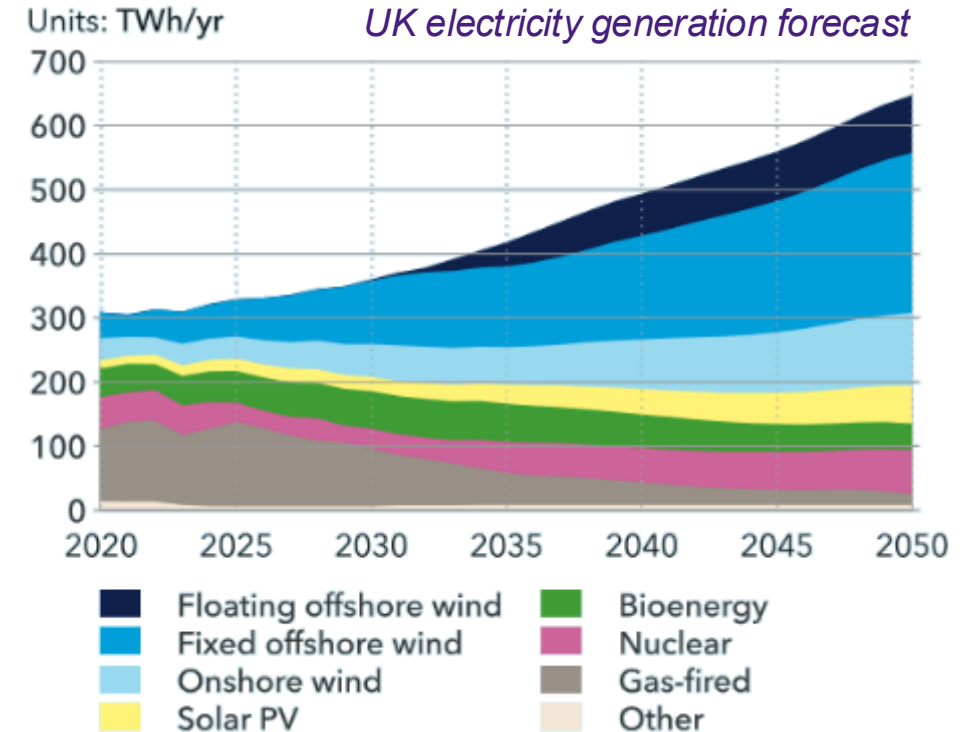
In practice

Participants adjust their electricity consumption should a "System Stress Event" occur to help alleviate stress on the grid.



Reward

Payments are made regardless of whether a System Stress Event occurs or not. The programme has yet to be called on since it was introduced in 2014.



Flexible energy assets (generation)

Unlocking energy flexibility from your existing energy infrastructure



SOLAR



CHP



BACK-UP GEN SETS



BESS

Participation is possible for single or multiple sites

Flexible energy assets (curtailment)

Energy intensive processes in food and drink manufacturing



Milling and Grinding



Refrigeration and Freezing



Cooking and Baking



Drying



Extrusion



Packaging



Bottling and Canning



Evaporation



Compression



Earnings potential from the Capacity Market



- **CLIENT:** UK Milling Business
- **ASSET TYPE:** Various Assets – Curtailment
- **SITE CAPACITY:** 5 MW
- **LOCATION:** Multiple Sites
- **PERIOD:** OCT 2025 - SEP 2030

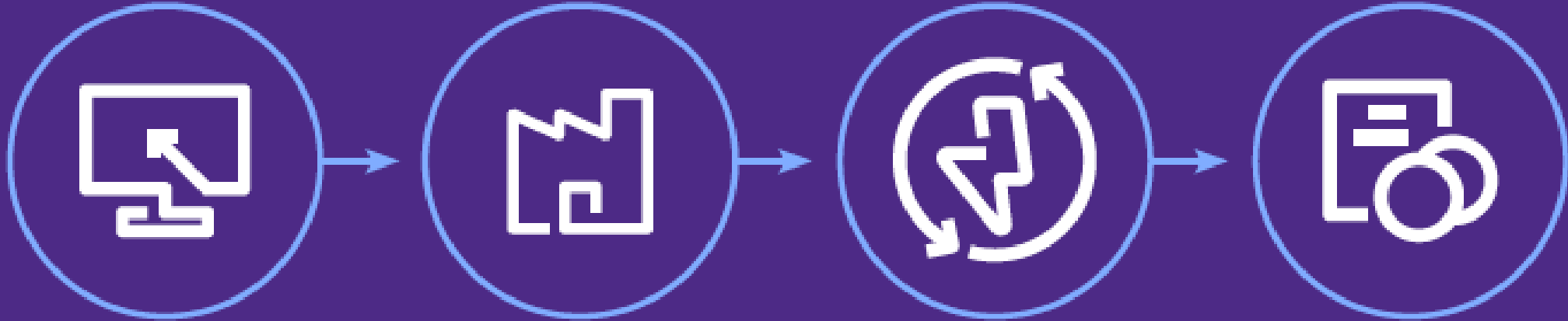
REVENUE ESTIMATE* (5-YEAR GROSS): **£1.19m**

- **CLIENT:** Major Drink Manufacturer
- **ASSET TYPE:** Various Assets – CHP
- **SITE CAPACITY:** 2 MW
- **LOCATION:** Two Sites
- **PERIOD:** OCT 2024 - SEP 2029

REVENUE ESTIMATE* (5-YEAR GROSS): **£475k**

How it works

Energy flexibility in action



Enel X enrolls your spare MWs into the Capacity Market.

Should a grid emergency occur, activate your energy reduction plan.

Temporarily reducing demand helps prevent blackouts and stabilises the grid.

Get paid for your support.

The Energy Opportunity

Benefits of Energy Flexibility Programmes



Security

Reduce your exposure to the impact of power cuts



Affordability

Generate new revenue from flexibility programme payments



Green

Contribute to decarbonisation by participating in flexibility programmes and more renewable energy on the grid

Risk Management

Resiliency

Revenue Generation

Cost Reduction

Achieve green commitments

Enel X is part of the Enel Group

Global leaders in flexibility and sustainable energy solutions

Enel Green Power
& Thermal Generation
**59GW installed
capacity**

Enel X Global Retail
**9.8 GW Demand
Response**

Expertise in the GB energy market
with dedicated UK teams.

enel x

enel

Global Infrastructure
& Networks
**69 million
end users**

Global Energy
& Commodity Management
**54 million
customers**

Supporting businesses across 14
industries, enabling over 450MW of
flexibility in the UK energy system.



Q&A



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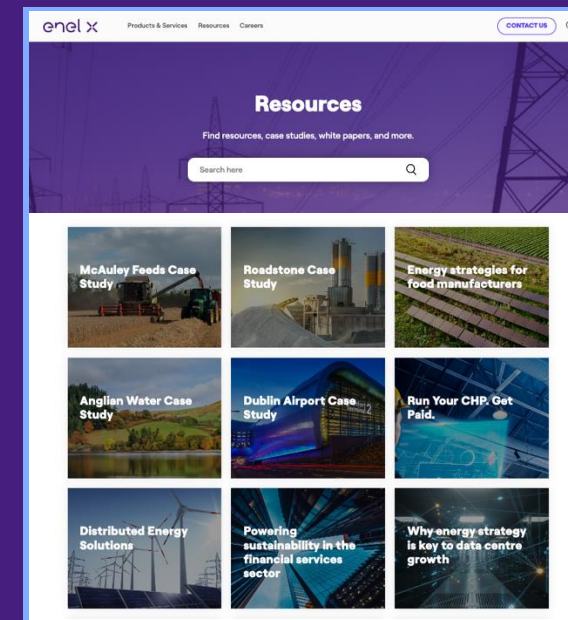


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Resources

Case studies & white papers

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