

Data & Digitalisation – transforming networks

4 November 2026

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UtilityWeek AWARDS 2025 UTILITY OF THE YEAR

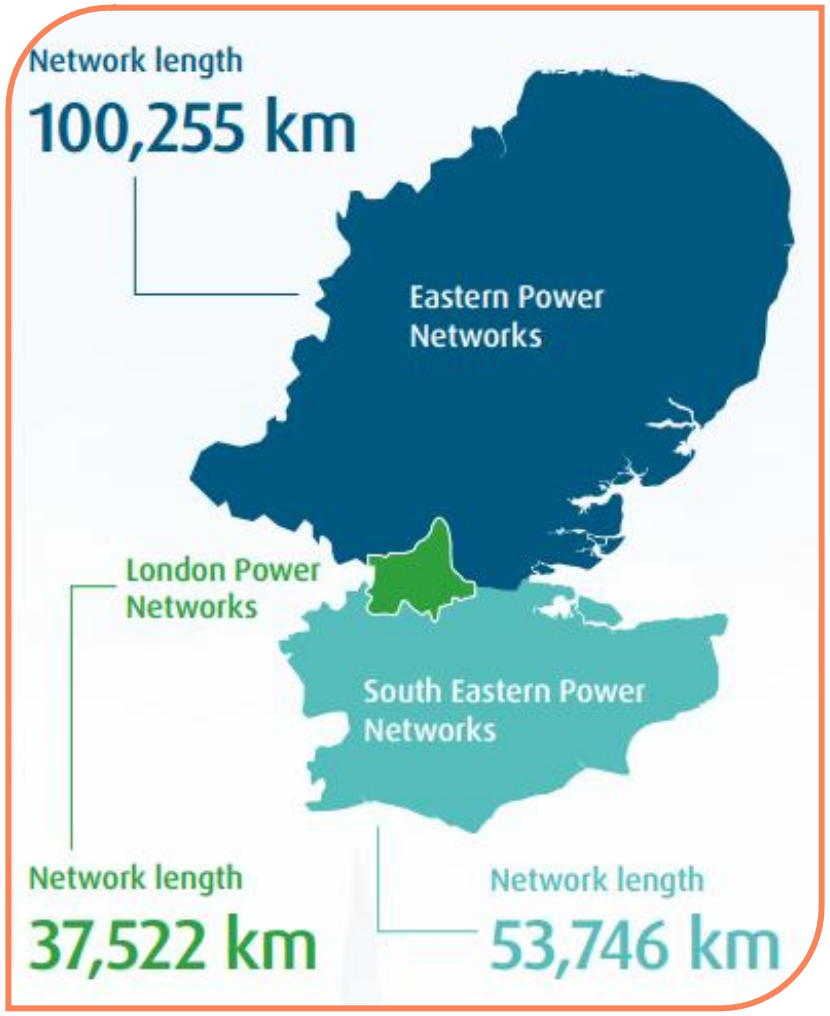
INVESTORS IN PEOPLE™ We invest in people Platinum

NES NATIONAL EQUALITY STANDARD

THE UK'S TOP 5 BEST BIG COMPANIES TO WORK FOR 2025

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Customers	8.5m
Distributed generation	10GW
Peak demand	14GW
Electricity distributed	71TWh
Connected Electric Vehicles	0.6m
Flexible Connections	0.5GW
Operational Flexibility Services	0.5GW

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Key roles of the DSO and the DNO

DSO ensures we have the right capacity, in the right place, at the right time; at lowest cost to bill payers



Understand local and national network needs, **develop new connection options** and intelligently target investment

Ensure flexibility is used effectively in the control room

Developing flexibility products and building participation

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- Ensures safety of employees and public
- Delivers new network assets
- Manages connections
- Delivers excellent customer service
- Improves reliability and resilience

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Data & digital opportunities

Data management
Software development
Quality checking
Methodology audit
Task automation

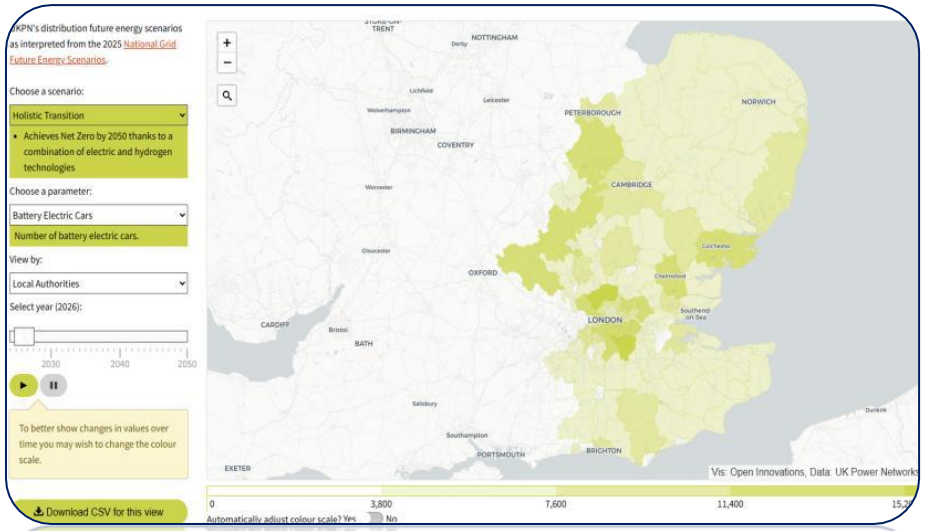
Short-term forecasting
Outage management
Dynamic flexibility markets
Optimised constraint management

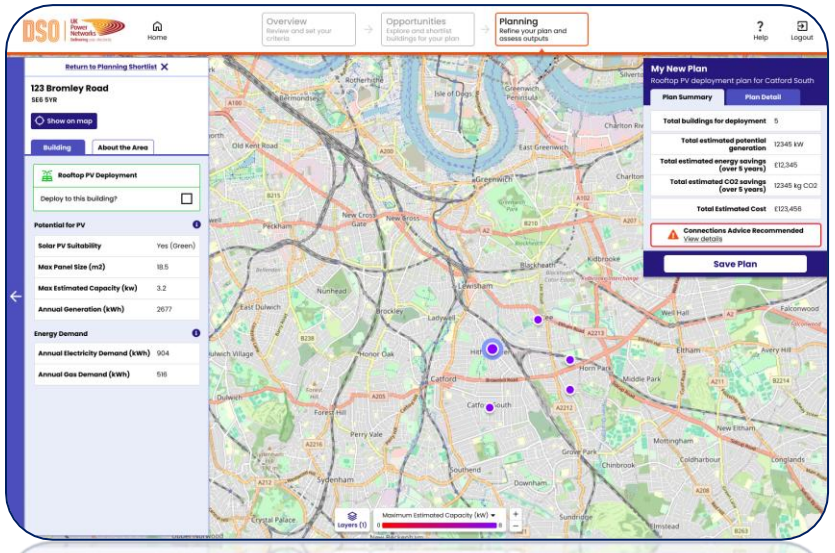


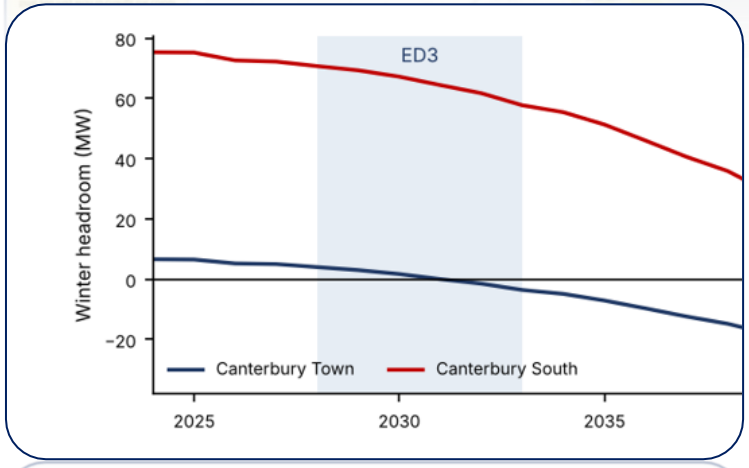
Long-term forecasting
Strategic whole system planning
Local insights
Connection strategies

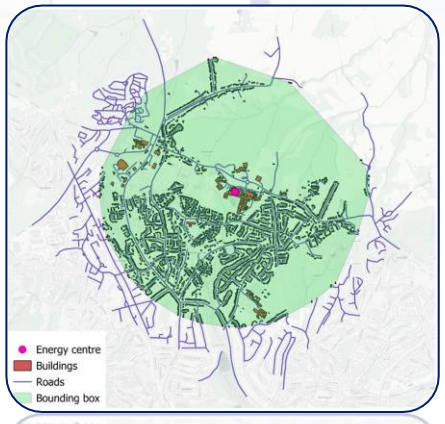
Developing flexibility
Scaling up to whole network
Dynamic flexibility zones
Outage management
Voltage management

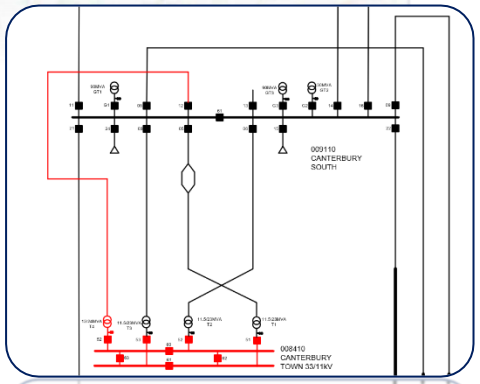
Long term forecasting











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Connections insights before application

Pre-connection opportunity

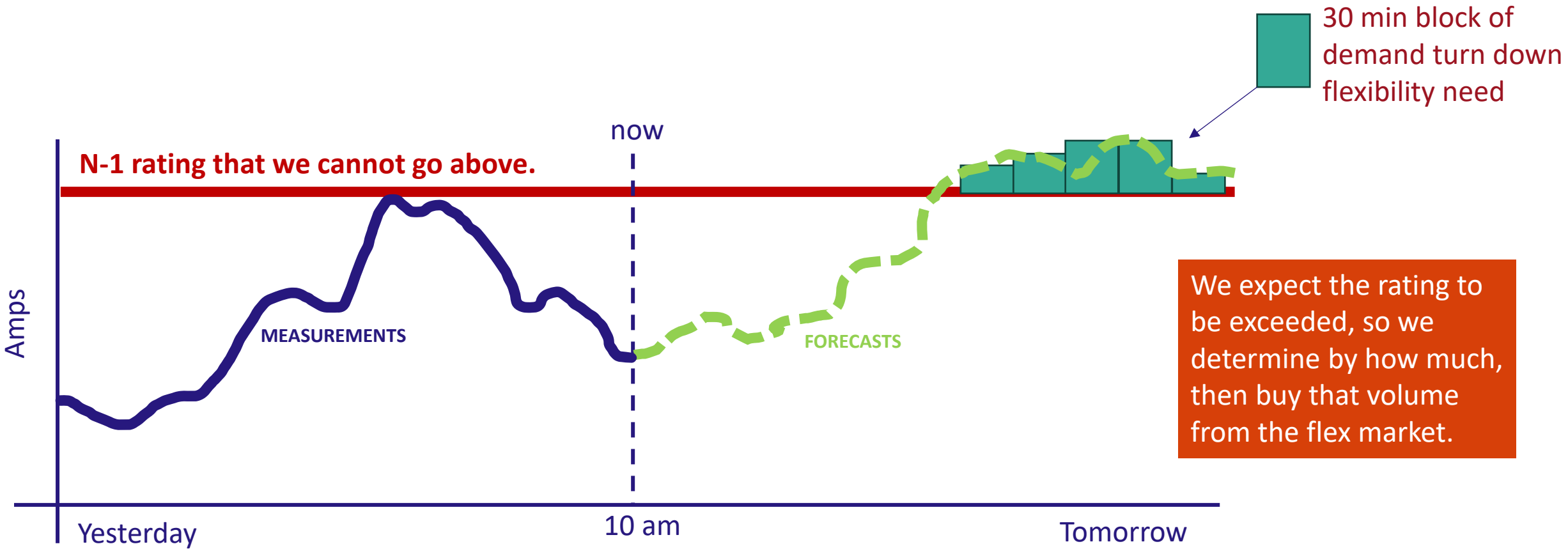
Optioneering breakdown

Optimised connection

Post connection support



Day-ahead flexibility



We expect the rating to be exceeded, so we determine by how much, then buy that volume from the flex market.



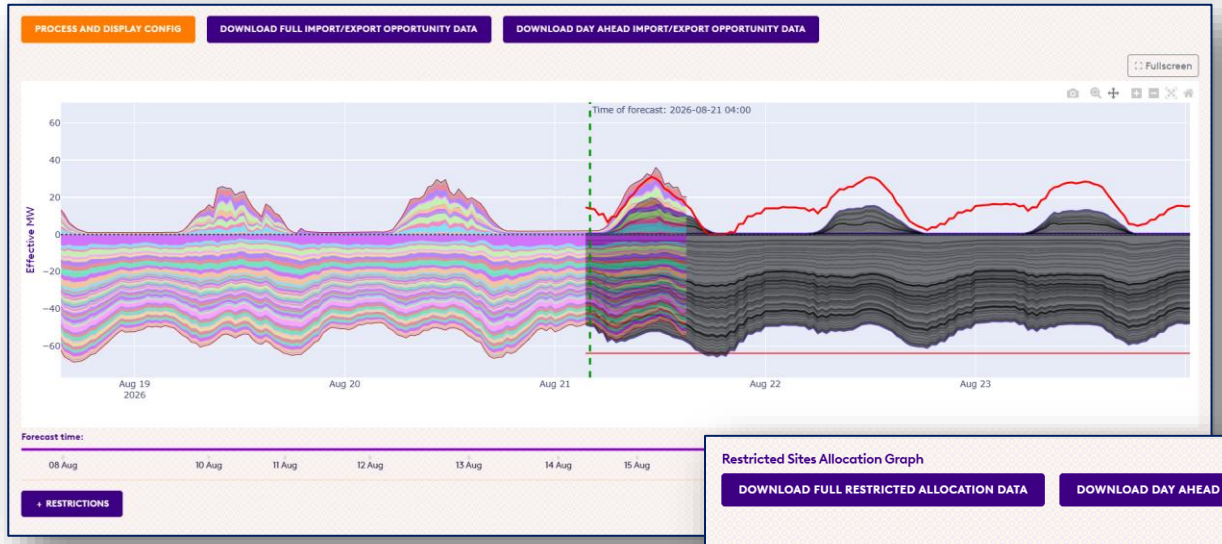
Flexibility volumes

Flex market platform

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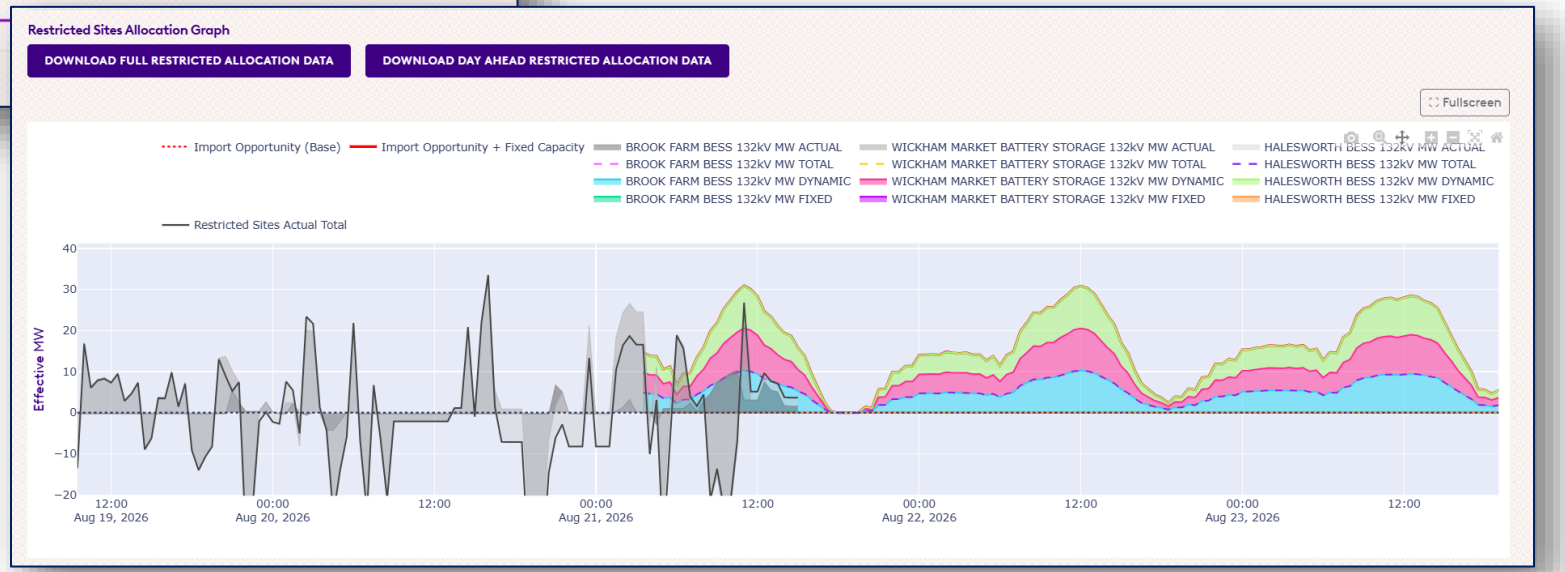
Restore during a planned outage

In 25/26, we released 190 GWh of capacity across 19 outages, impacting 36 DER customers



Forecast what might happen if we de-restrict DERs during an outage

- Update every 30 mins
- Now to 7-day ahead
- 15 different scenarios



Issue a restricted headroom profile to the DERs based on our analysis.

- Configurable by planners
- Governance approvals
- Issue instruction via email / API

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How AI has changed our day to day

GitHub Copilot

All latest models available.
Flexible choice for agents.

GPT | Claude | Gemini | ...

MVPs in hours

Stakeholders and networks can produce an MVP in hours, not weeks.

IDEA → MVP

Build quickly

Generates code at incredible speed. The risk of being wrong is real.

SPEED + CAUTION

Quality control

Check, improve and refine the output.

- ✓ Better code
- ✓ Cleaner solutions
- ✓ Fewer mistakes

Audit & analysis

Find exploits, inaccuracies, or bugs in methodologies, code and logic.

REVIEW → REFINE

Smarter code review

Automatically checks for problems, edge cases and vulnerabilities.

Security | Performance | Edge cases

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