



Innovation Basecamp 2026

4th February 2026 – Park Plaza, London



Introduction

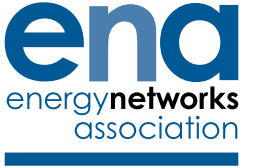
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Net zero and the
energy system
transition



- **NGN** is a UK gas distribution company, responsible for delivery energy safely and reliably to millions of customers.
- I work on projects aimed at safety, efficiency, resilience and transformation of the energy system all contributing to the UK's transition to a net zero future.





The UK's journey to net zero hinges on our understanding of **how** hydrogen adoption will impact electricity and gas networks.

Background Information

- Network operators don't know **where**, or **when** hydrogen adoption will occur or its **impact** on electricity demand and gas supply.
- Uncertainty makes **grid reinforcement** and **investment** planning challenging.
- I&C hydrogen use could reshape demand profiles and put pressure on local grids – we need **visibility**.



The Problem

Unknowns in the future

No visibility of Scale/Location/Timing

Policy & technology choices are uncertain

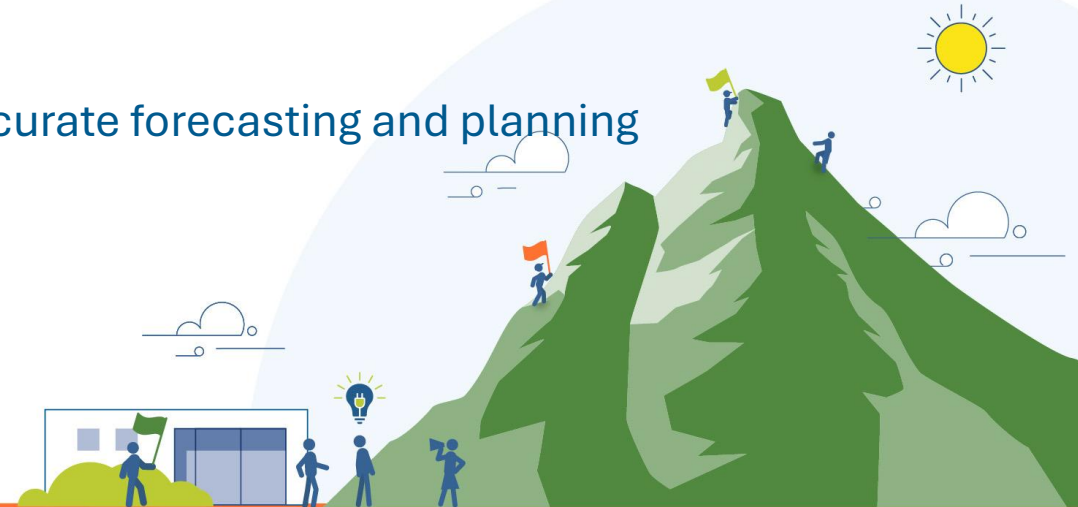
Data and Tool Gap

of Hydrogen adoption

future planning difficulties

solutions must adapt to evolving policies and preferences

limits accurate forecasting and planning



CALL FOR
SOLUTIONS,
NOT JUST
IDEAS



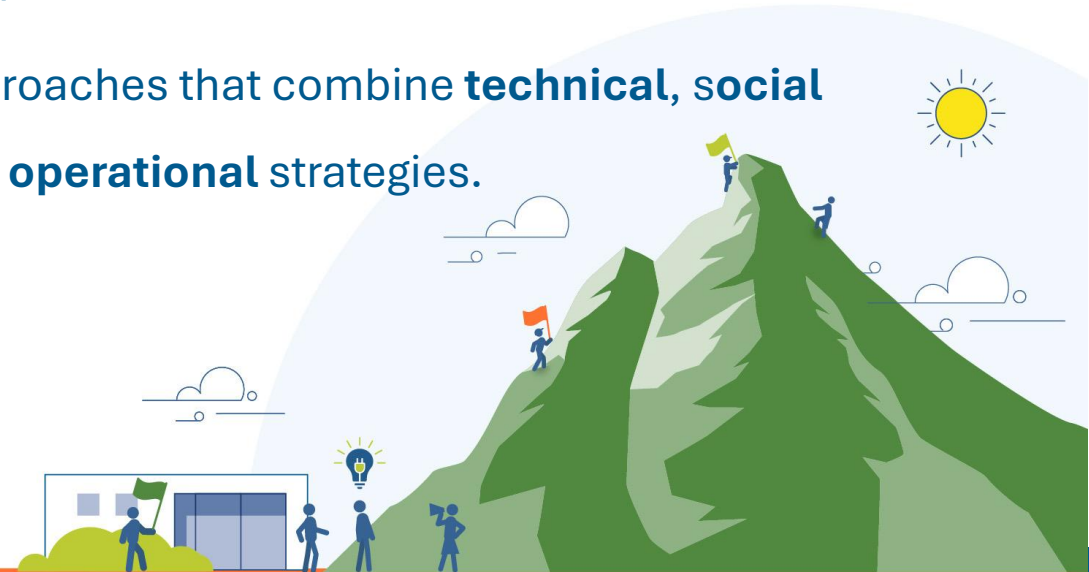
What are we looking for?

- Adaptable
- Compliant
- Scalable
- TRL 3-4 (if offering novel insights)
- Ready for pilot within 6-12 months



Expectations:

- Be able to handle uncertainty across **multiple** scenarios.
- Be able to use within our **current systems**.
- **Map** and **manage** the **impact** of hydrogen adoption.
- Approaches that combine **technical, social** and **operational** strategies.



What success looks like?



Your solutions might include:

- Geospatial tool/UI (interactive map/dashboard)
- APIs/data pipelines (secure ingestion + outputs)
- Documentation (assumptions, validation, change logs)
- Playbooks (transition management + customer command insights)



Thank you

Do you want to help shape the future of energy?

Submit your ideas through ENA by the 13th March
2026.

For questions, contact:

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