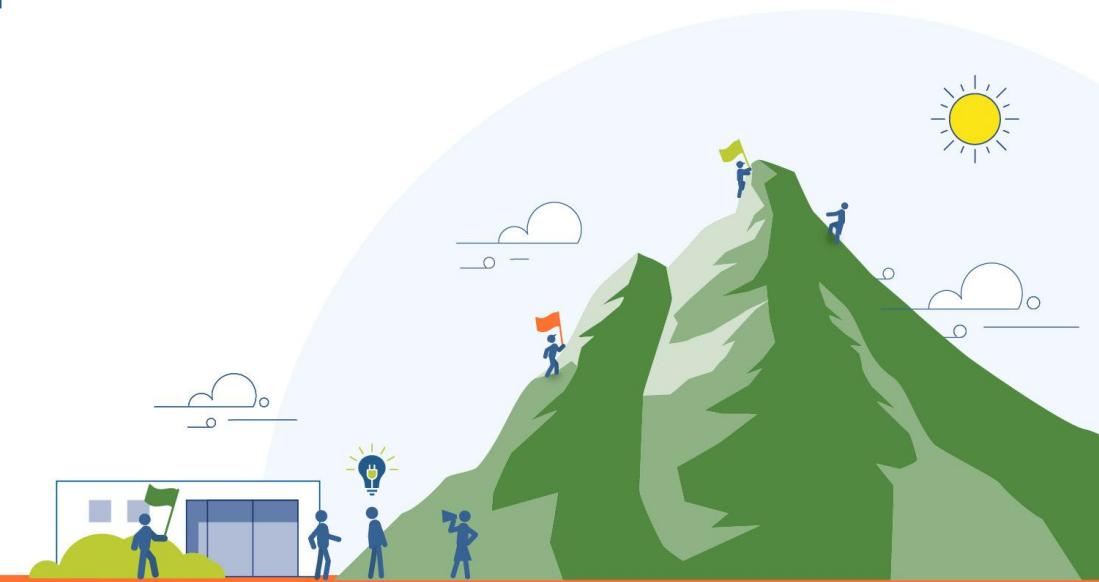




Innovation Basecamp 2026

4th February 2026 – Park Plaza, London



Introduction

Jennifer Farrell

Innovation Assistant Manager

Northern Gas Networks



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.





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**

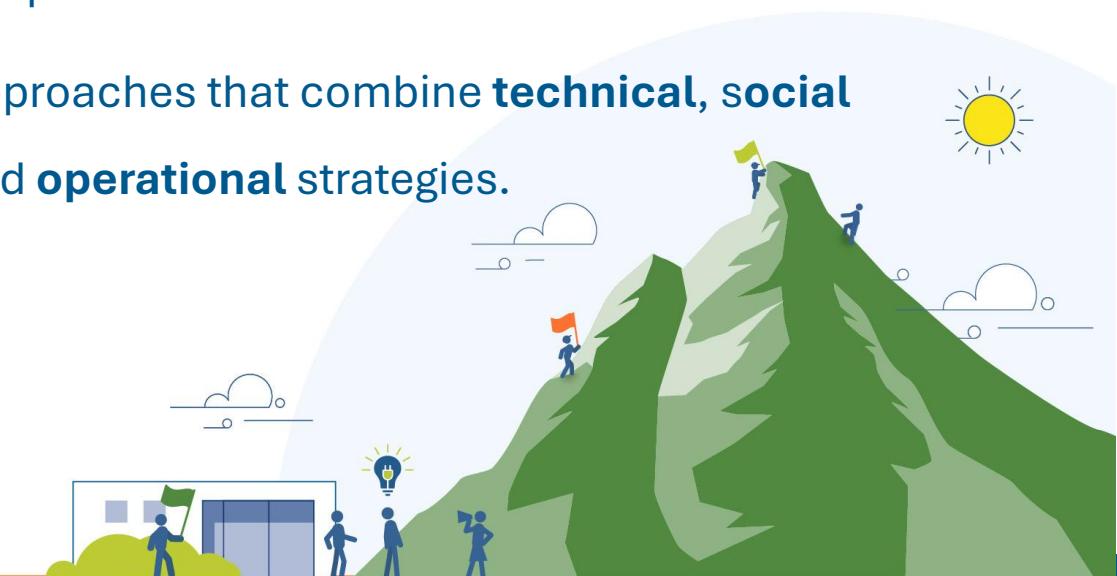


What are we looking for?

- 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:

innovation@northerngas.co.uk

or

jfarrell@northerngas.co.uk





Energy Networks Association
4 More London Riverside
London SE1 2AU
t. +44 (0)20 4599 7700
[@EnergyNetworks](https://twitter.com/EnergyNetworks)
energynetworks.org

© ENA 2023

Energy Networks Association Limited is a company registered in England & Wales No. 04832301
Registered office: 4 More London Riverside, London SE1 2AU

The voice of the networks

Subscribe to our
newsletter to
receive updates
from ENA

[energynetworks.org/
subscribe](https://energynetworks.org/subscribe)

Scan me

