

Energy Innovation Basecamp 2025 Problem Statement EIP135

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Who Are We?

UK's Largest Gas Transportation Company

132,000KM of Pipelines

~6000 employees in the UK

Connecting 11 million homes and businesses to the energy they use to heat their homes and energise their businesses



Cadent's Innovation Strategy

Understanding our consumers' needs

Understand our consumers' needs and preferences in greater depth and breadth.

Maintain strong relationships to support decarbonisation, whilst our assets preserve energy security.

Today's network

Responsible investment in research & development that benefits all.

- We are more efficient, safe, resilient, and sustainable.
- We understand the nature of vulnerability, responding to our customers' needs.
- Our customers' energy is decarbonised through a whole systems approach.

Network transition

A coordinated whole system approach, delivering carbon reductions for our consumers now.

- Maximise biomethane, greening energy supplies.
- Verify, validate, and demonstrate hydrogen blending.
- Coordinate decarbonisation solutions for multi occupancy buildings.
- Collaborate for a whole system approach to decarbonise the energy system.

Future network

Supporting a low carbon energy transition, a key component of a system transformation.

- Repurpose our assets, supporting the energy system transition.
- Understand the impact of network decommissioning for our customers.

Problem Statement:

How can we reduce the environmental impact of site reinstatement?

Backfill & Reinstatement techniques

As networks we already use standard approaches, but we are always looking for alternatives that drive lower environmental impact along with cost efficiencies and reduction to disruption.

Compacting Tools & Equipment

We already look to use tools & equipment that will ensure the relevant quality of reinstatement as well as to reduce our carbon footprint but again we are always looking for alternatives that do this, as well as being safe and effective for our teams to use.

Horizon

1-3 year horizon

Dovetail and support SWUK initiatives



Thank You
Any Questions