Cadent
Your Gas Network

Energy Innovation Basecamp 2025 Problem Statement EIP136

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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	Network transition	Future network
Responsible investment in research & development that benefits all.	A coordinated whole system approach, delivering carbon reductions for our consumers now.	Supporting a low carbon energy transition, a key component of a system transformation.
• We are more efficient, safe, resilient, and sustainable.	• Maximise biomethane, greening energy supplies.	• Repurpose our assets, supporting the energy system transition.
• We understand the nature of vulnerability, responding to our customers' needs.	• Verify, validate, and demonstrate hydrogen blending.	• Understand the impact of network decommissioning for our customers.
• Our customers' energy is decarbonised through a whole systems approach.	• Coordinate decarbonisation solutions for multi occupancy buildings.	
	• Collaborate for a whole system approach to decarbonise the energy system.	

Problem Statement:
## How can we avoid breaking ground so often?

Repair Techniques

As networks we already use robotics to enable repairs such as CISBOT and STASS, but we are always looking for alternatives that drive cost efficiencies and reduction to disruption.
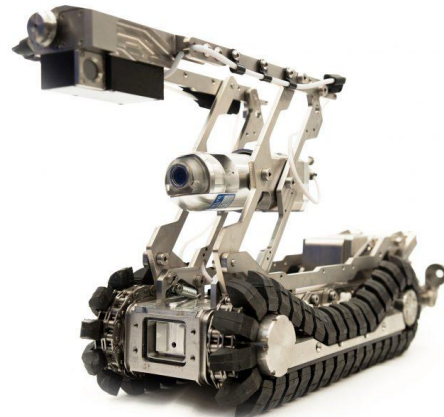
Tools and Equipment

We already look to use tools & equipment that 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
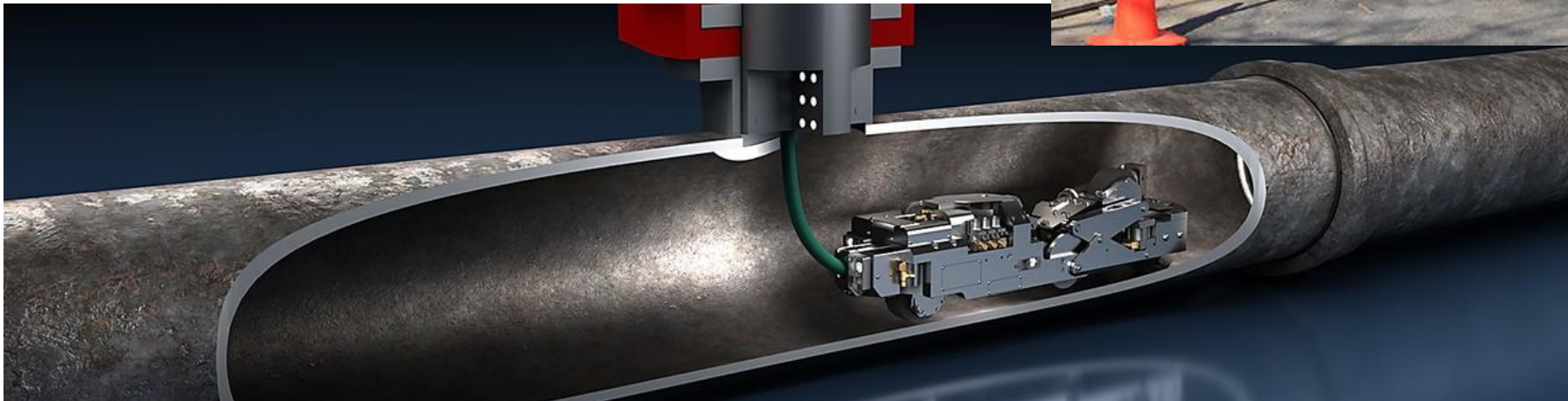
Horizon

1-3 year horizon

Dovetail and support SWUK initiatives

Thank You
Any Questions