Basecamp 2025

EIP141 Optimise Riser Management

Gordon McMillan – Discovery and Scouting Lead

13 February 2025

Introduction

Gordon McMillan

Innovation Scouting & Discovery Lead:

SGN

CORE
innovation is focused on securing the network we have today, ensuring we are as safe, efficient & sustainable as possible.

SCOUTING & INSIGHT
is focused on tracking trends in our market, in allied markets and wider technology trends to inform our choice of projects.

GOVERNANCE & PERFORMANCE
is focused on ensuring our activities are managed in line with correct process, and that we report performance and share effectively.

FUTURES
innovation is focused on everything outside of core, driving innovation in the whole system energy transition.

Background Details

Background Information

Gas risers connect the local gas network to individual meters in multi-occupancy buildings.

Made from iron, copper, steel, or plastic, these risers can be routed internally and externally.

Typically, between 1-2 inches in diameter, the risers are inspected and maintained ensuring compliance with safety regulations.

With leaks, corrosion and wear, these risers require continued inspection and repairs to ensure a safe and reliable gas supply to the residents.

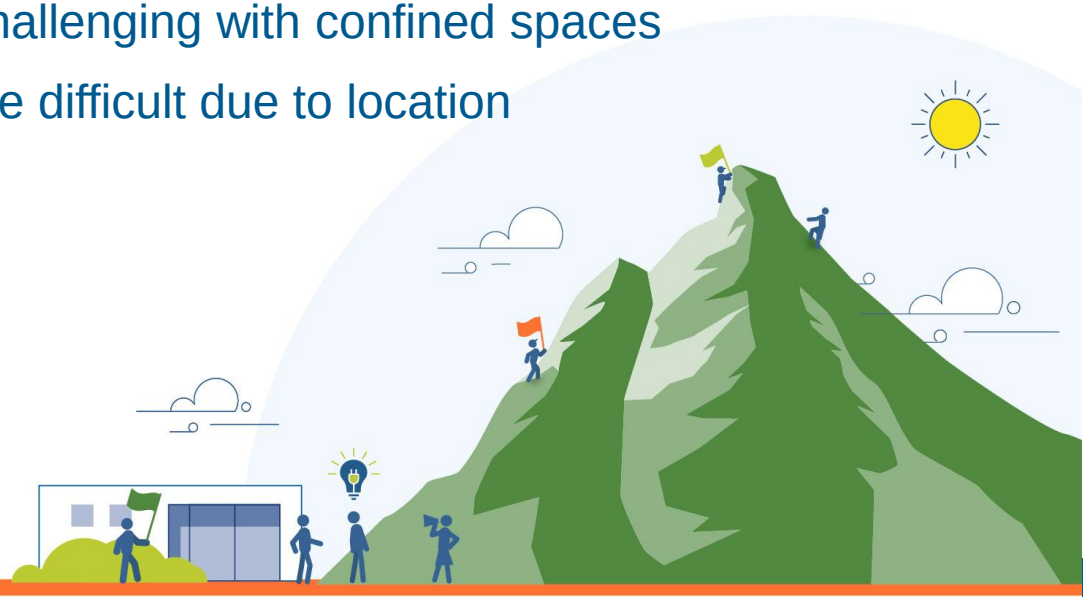
Problem Statement

What are the Problems?

Managing gas riser assets in multi-occupancy buildings presents significant challenges, particularly in minimizing service interruptions during maintenance and repairs.

Traditional methods can :

- Require gas supply **cut-offs**, adversely affecting residents, especially vulnerable individuals
- Repairs can be challenging with confined spaces
- Inspections can be difficult due to location



Our Expectations

What are we looking for?

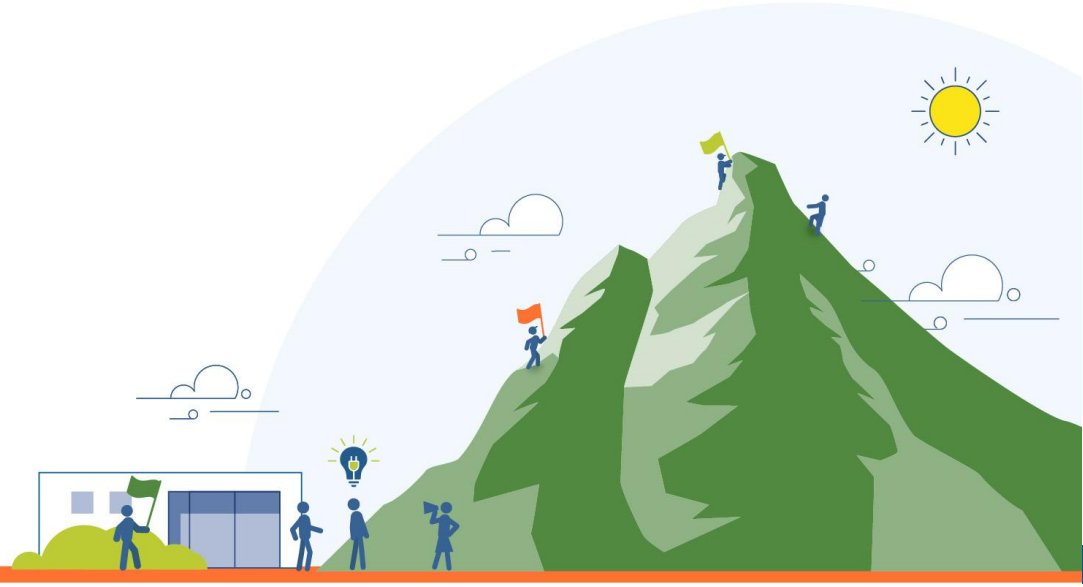
The goal is to develop advanced live repair techniques that ensure safety, cost-effectiveness, and long-term durability while maintaining continuous gas flow.

We seek new and creative innovative ideas that will:

- Enable live maintenance and repair of gas risers without disrupting service to occupants especially for Copper risers.
- Utilize advanced materials, technologies, or methodologies to enhance repair efficiency and effectiveness.
- Smarter inspection techniques

Solutions must :

- Adherence to stringent safety standards
- Techniques must align with industry standards and legal requirements
- Solution must be feasible in various environments, including areas with limited access or confined spaces.



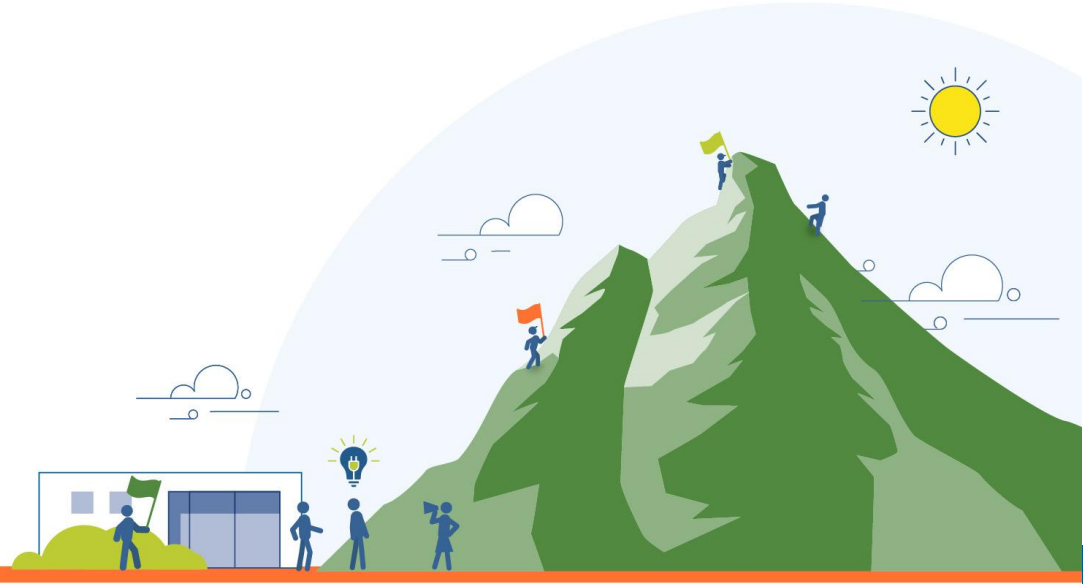
IMPORTANT

It is important for all innovators to note that we are looking for plans rather than just ideas as solutions.

Key Contacts:

- **For further information / Clarity:** Gordon.mcmillan@sgn.co.uk

- **ANY QUESTIONS?**



Energy Networks Association
4 More London Riverside
London SE1 2AU
t. +44 (0)20 4599 7700

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energynetworks.org

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