

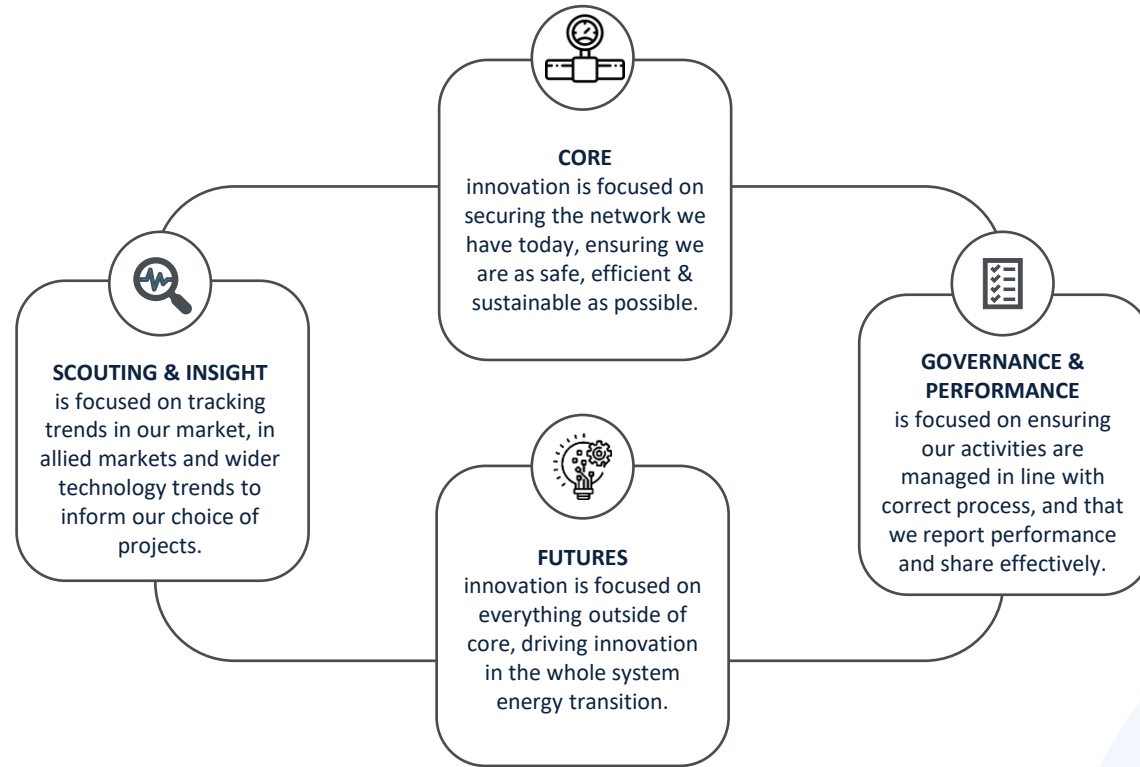
# Basecamp 2025

EIP137 Circular Economy in Construction

Gordon McMillan – Discovery and Scouting Lead

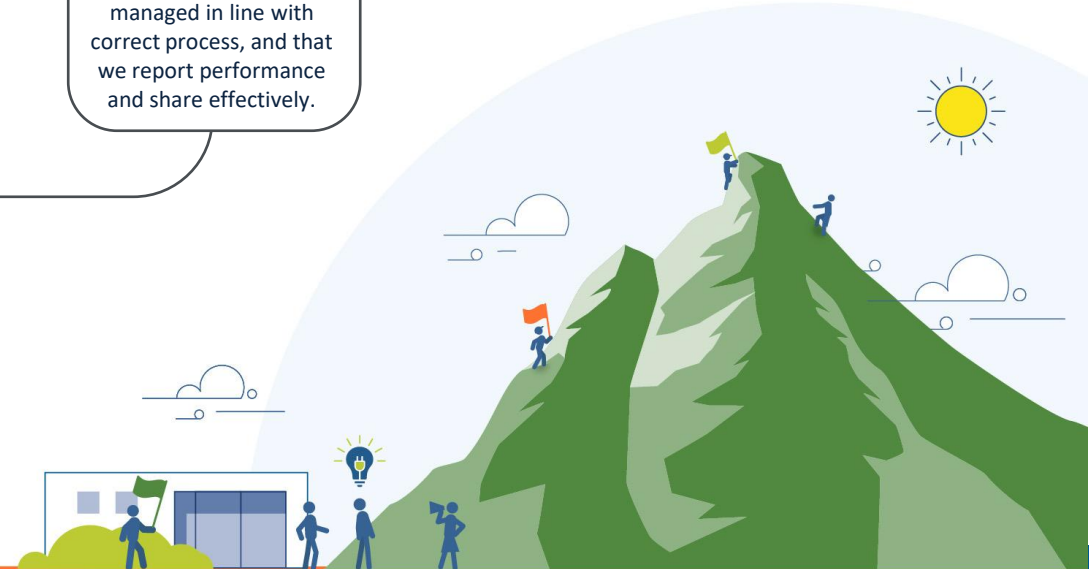
13 February 2025

# Introduction



**Gordon McMillan**

Innovation Scouting & Discovery Lead:



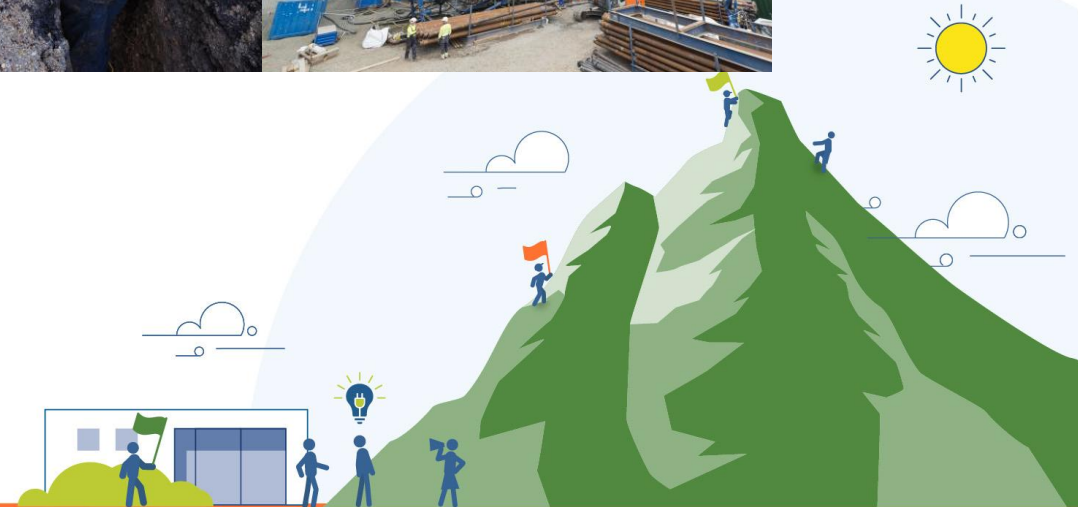
# Background Details

## Background Information

To ensure a safe and reliable network, SGN will be constructing major projects across our distribution and transmission pipeline.

Construction sites are critical touchpoints for reducing environmental impact, yet are often linear practices where materials, resources, energy are not fully utilised.

- REPEX : For GD3 we will replace nearly 5,000 km of metal pipe over 5 years equating to approximately 1,000km per year.
- Major projects : Above ground installations and transmission lines
- Innovation Initiatives : SGN is pioneering in development of sustainable energy solutions with new assets for green gas



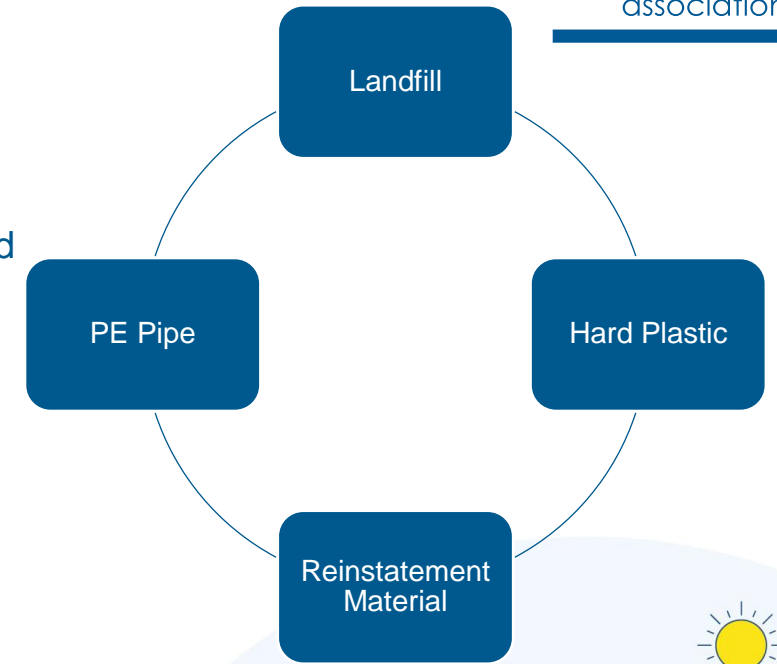
# Problem Statement

## What are the Problems?

Our current model misses' opportunities to **minimise waste, maximise resource efficiency** and create a **regenerative system** where materials, energy and products are continuously reused and repurposed.

Issues:

- Lack of data real time visibility which can lead to missed opportunity of recycling and reuse
- Regulatory and operational barriers that restrict optimal waste management

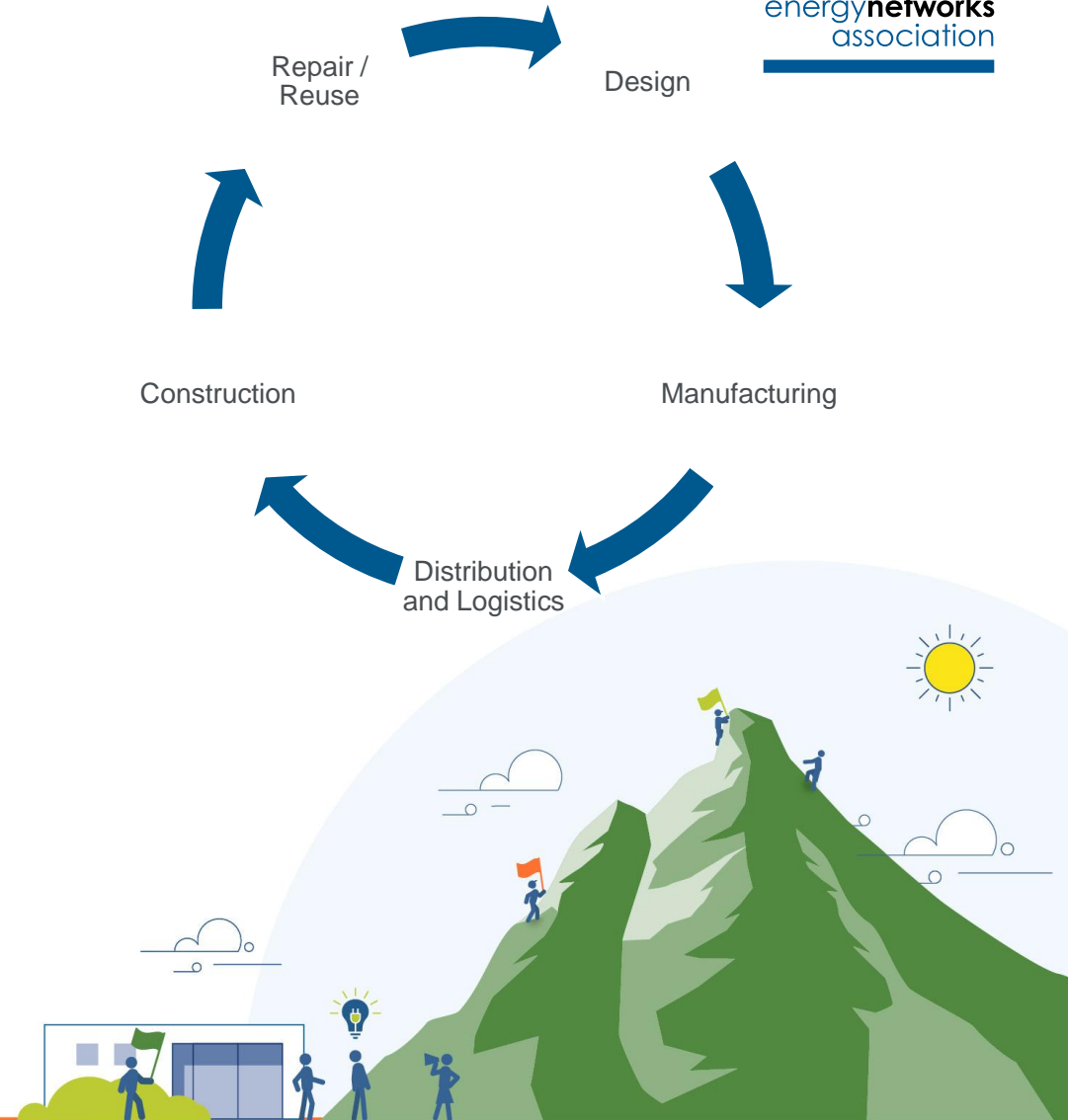


# Our Expectations

## What are we looking for?

We are seeking new and creative innovative ideas that will drive innovation in **sustainability and circular economy** practices that are **scalable, impactful and applicable** in construction processes.

The solutions aim to make a tangible impact with measurable outcomes that improve operational performance across reduction in waste, CO<sub>2</sub> and material costs.





# IMPORTANT

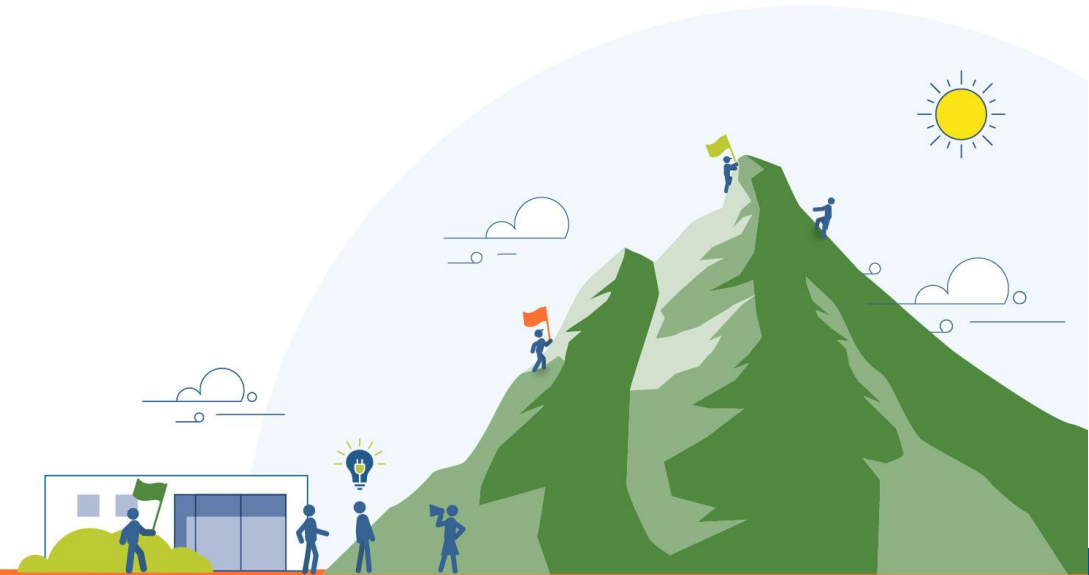
**It is important for all innovators to note that we are looking for plans rather than just ideas as solutions.**

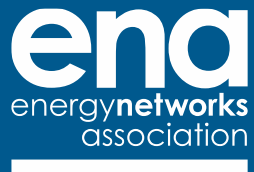


## Key Contacts:

- For further information / Clarity: [Gordon.mcmillan@sgn.co.uk](mailto:Gordon.mcmillan@sgn.co.uk)

- **ANY QUESTIONS?**





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

🐦 @EnergyNetworks  
[energynetworks.org](https://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

scan me



Subscribe to our  
newsletter to  
receive updates  
from ENA

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

