



Innovation Basecamp 2026

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Introduction

SGN Network

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Background Information

- **SGN has many gas mains that either run next to or cross waterways.**
- **Due to climate change the volume of water in these waterways has increased dramatically.**
- **The rainfall is also concentrated into narrower time periods making flooding and erosion more severe.**
- **Over the past 5 years SGN has gone from having 1 – 2 washouts in rivers in a year to this year having over 100.**



What are the Problems?

Washouts, bank erosion and exposed mains pose a major risk to the gas network and security of supply. The challenges can be summed up into 3 categories.

- **Frequency of inspection due to the change in river patterns. Crossings have gone from a 5-year frequency to twice a year.**
- **Assessment of Crossings.** PE crossings are harder to locate requiring trial holes. Coating assessment of Steel crossings in water ways is a challenge.
- **Remediation due to the dynamic nature of rivers.** We are always looking at new ways to install lasting remediation.



Our Expectations

What are we looking for?

SGN seeks solutions enabling a predictive, risk-based approach to river crossing management, better assessments of mains and more sustainable long-term solutions for remediation.

SGN expectations include:

- A method for risk assessing crossings to make sure they are on the correct inspection frequency.
- Better ways of Identifying the depth and location of PE mains.
- A method for assessing the coating of a main in a waterway (under/above water) preferably remotely.
- New ways of installing protection to exposed mains and eroding banks that meet EPA and SEPA regulations .

Success looks like: earlier intervention at lower cost, improved safety and resilience.



Key Contacts:

- **For further information / Clarity:**
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- **ANY QUESTIONS?**





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