

Repurposing Assets – EIP127

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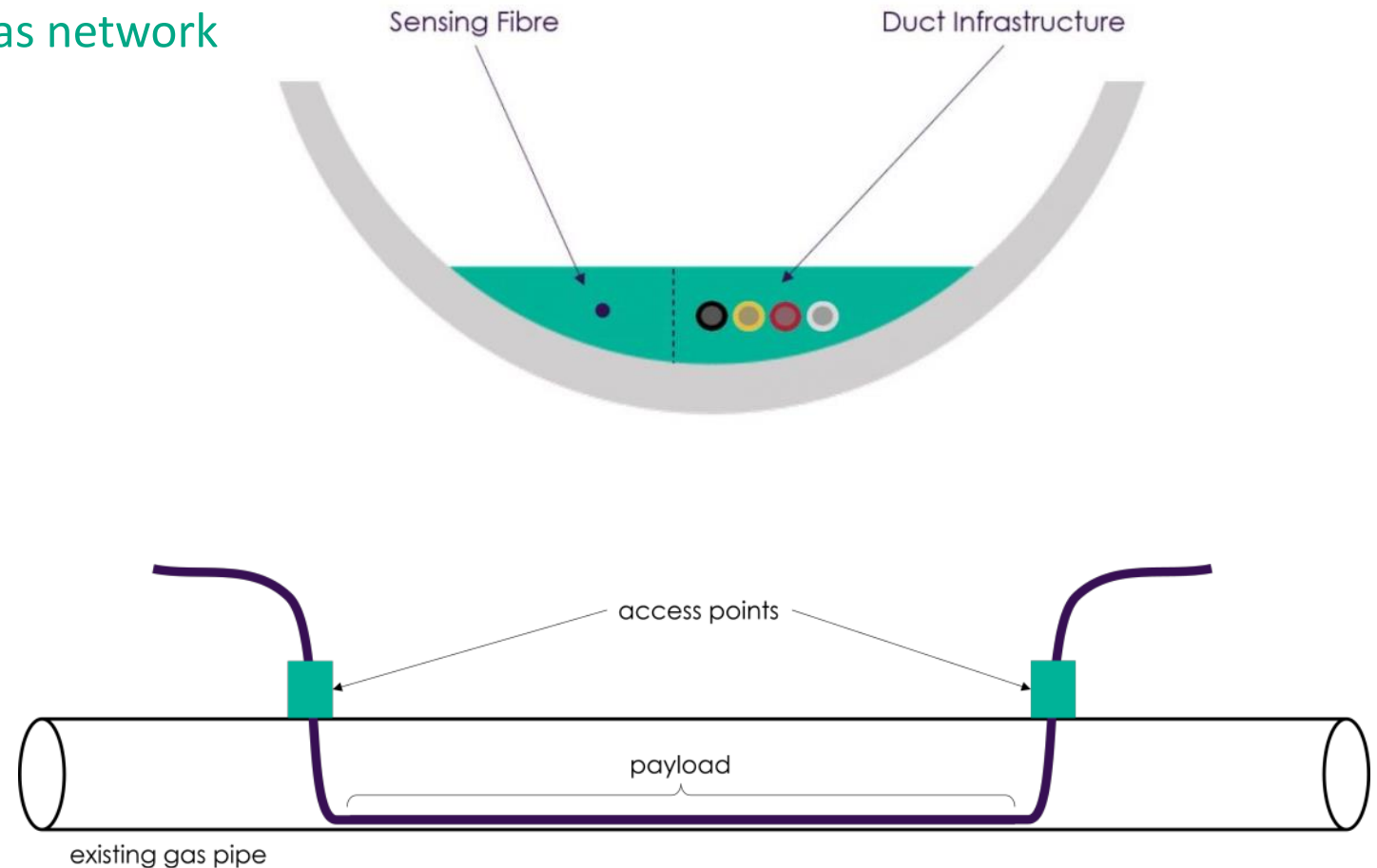
Background

- As the UK looks to move towards net zero, all homes, businesses and industries must move away from fossil fuels that currently meet most of our needs to clean alternatives.
- One of the options is to repurpose the gas network to transport hydrogen, with its role unknown in the scale of uptake precautions need to be taken to evaluate all future opportunities.
- In some areas gas distribution networks providing energy for heat may potentially be replaced entirely by electric alternatives. Leaving significant areas of gas assets redundant or stranded.
- There is a risk for stranding previous customer investment into the gas network, when there's the possibility to repurpose such assets that can still play a role

Previous projects

Network Diversification & Resilience- NIA_NGN_424

- Installing ducted infrastructure into the gas network
 - Access and egress points
 - Deploying payload through the pipe
- Adapting existing work procedures
- Fibre optic sensing opportunity
- Commercial opportunities
- Regulatory considerations



Barriers

Regulations
currently don't
allow for such
activities

Industry codes
requiring
modifications

Timely change

Providing
competitive options
compared to
existing techniques

Potential new
markets for GDNs
to enter (Entering
into different
industries/sectors)

Potential Solutions

Understand the current gas assets and work procedures

Future energy landscape, varying scenarios for high & low gas futures

Trialling & regulatory changes

Examples:

- Electrical cables housed within disused gas assets
- District heating
- Optical fibre
- Synthetic fuels eg SAF

Thank you

Contacts

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