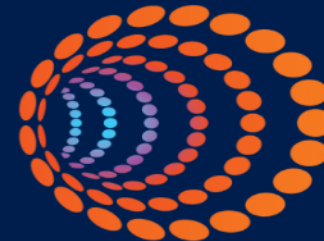


H100 Fife – Delivering the Hydrogen Neighbourhood



1 November 2023



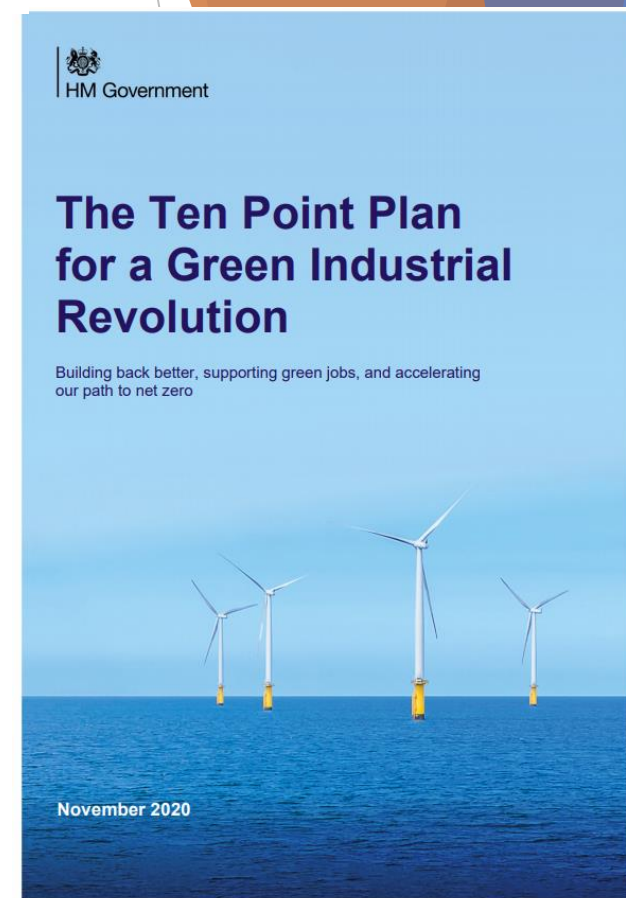
SGN
Your gas. Our network.

Summary



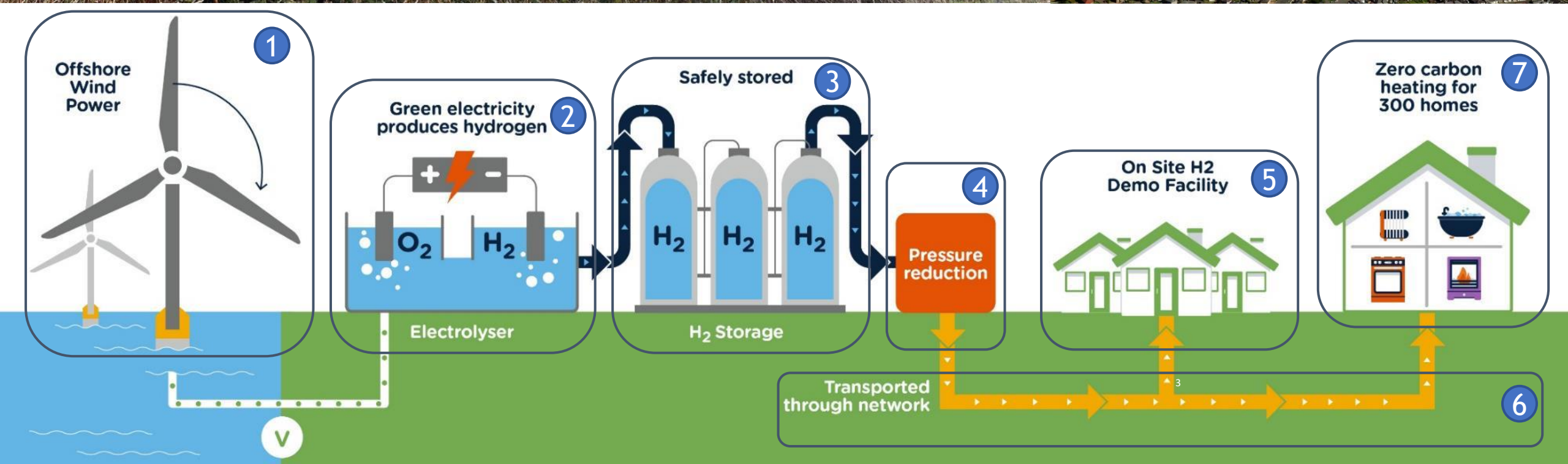
H100 Fife aims to deliver evidence to inform heat policy decisions by demonstrating 100% hydrogen for heat as a viable alternative to natural gas.

- Now adopted as the 'Hydrogen Neighbourhood' trial within the UK Government's 'Ten Point Plan for a Green Industrial Revolution'
- Feeds evidence into 91 of 104 Evidence Strands identified by DESNZ required to inform a policy decision
- Commenced in 2021 following 5 years of cross industry evidentiary work in preparation of trial phase
- Now in construction phase
- Go live towards end of 2024
- Trial runs until 2027
- Funded by SGN, OFGEM, Scottish Government, Cadent, NGN, WWU
- Project Partners include Baxi, Bosch



End to End System

- Additional Workstreams**
- Safety Evidence
 - Customer Recruitment
 - Regulation and Billing
 - Training and Competency



H100 Fife Workstreams



Upstream

Midstream

Downstream

1
Offshore Wind
Power

2
Electrolyser

3
H2 Storage

4
Pressure
Reduction

5
H2 Demo Facility

6
Distribution

7
In Home

8 – Safety Evidence

9 – Customer Recruitment

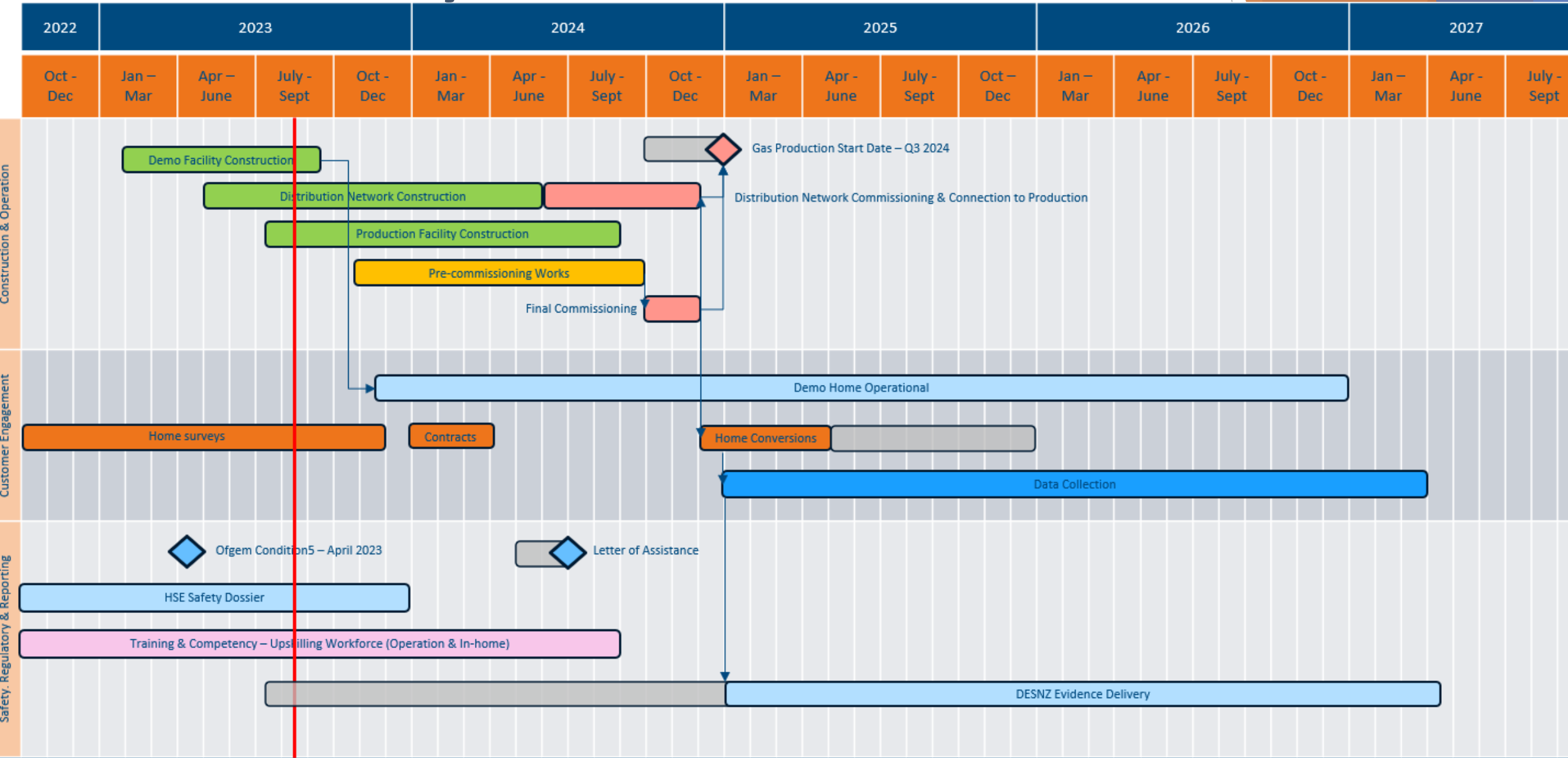
10 – Regulation and Billing

11 – Downstream Training and Competency

12 – Future of Energy Transition

13 – Technical & Safety Assurance

Schedule – Key Milestones



Upstream



BABCOCK

nel

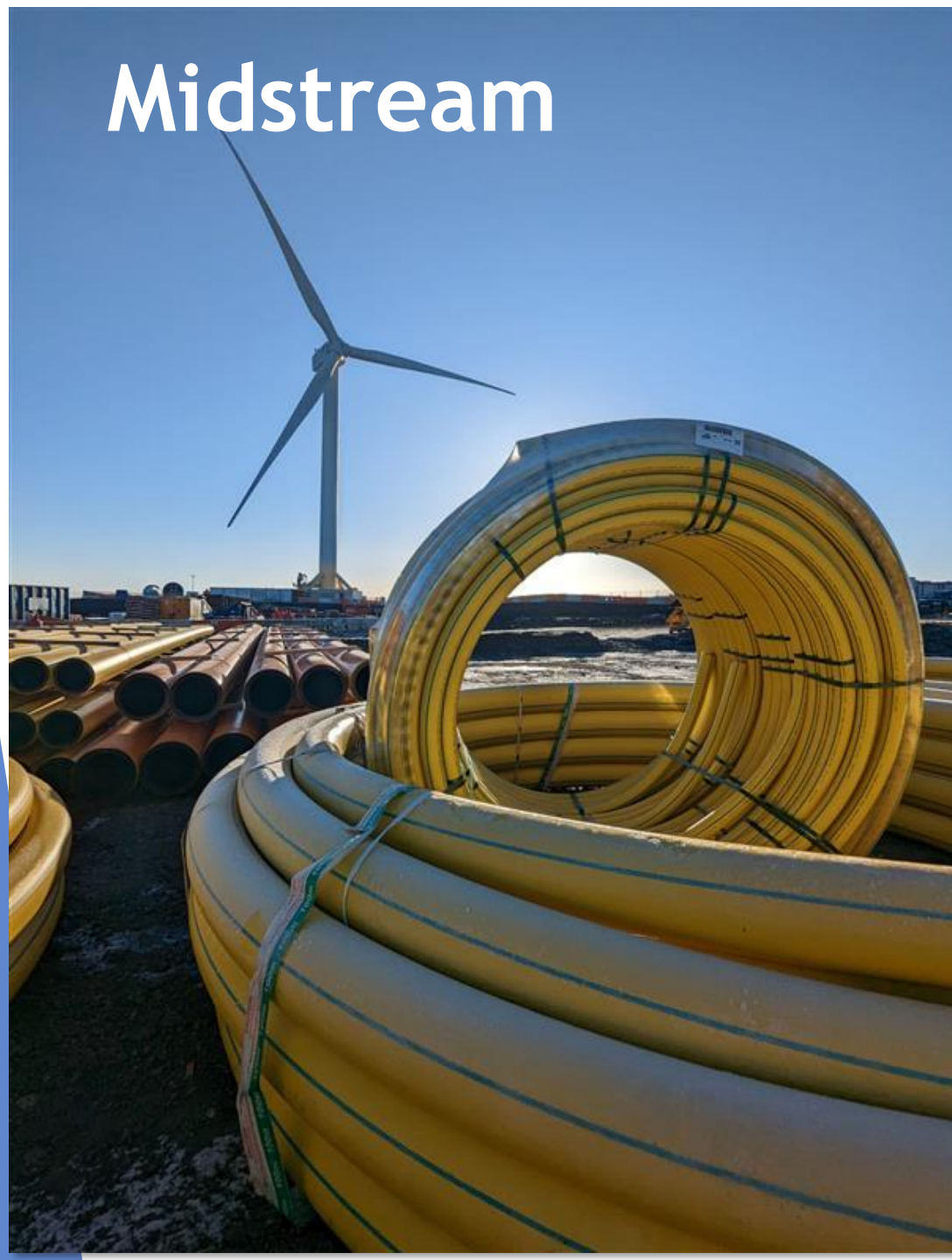


WEFCO
(GAINSBOROUGH) LTD



- AB Main Works Contractor on site since July 2023
- Nel Electrolyser equipment delivered to site
- Wefco storage tanks manufacturing and delivery schedule on track
- Demo facility construction nearing completion, launch early 2024

Midstream



Key

Phase one work area
Phase two work area
Phase three work area
Phase four work area
Phase five work area



May 2023

May 2023 – September 2023

September 2023 – February 2024

January 2024 – February 2024

March 2024 – July 2024

- >2km of distribution pipeline laid in network area
- Build schedule - on track
- Horizontal Directional Drilling completed
- 11 local Sub-contractors / suppliers engaged

Downstream

- Warmworks survey programme progressing well c. 200 homes surveyed
- 6/200 homes ineligible = 97% home convertible to hydrogen
- Direct + indirect benefits of hydrogen install (customer offer + home improvements)
- Unique learning from network area e.g. timber framed, listed buildings
- Development of customer surveys



Customer & Community Engagement

- c.40% of available properties in network area registered to take part, interest continues to grow
- Home visits continuing from October - property surveys & engagement support
- Customer Newsletters sent quarterly with ongoing support for community newsletter sponsorship
- H100 Fife Project Update Open Evening - 25th October
Opportunity to give updates on progress of project, including roadworks, surveys, production & storage site, and demo facility.
- Increasing engagement with local primary schools and high schools
 - Confirmed workshops for year 2023-24
 - Attendance at other local Career Fair Days
 - Other opportunities under review





Visit to Lochem



Thank you!

h100fife.co.uk



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