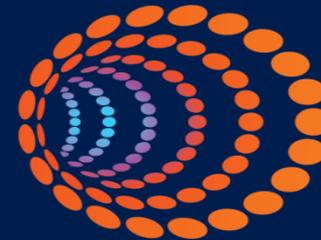


LTS Futures

UKOPA Technical Seminar

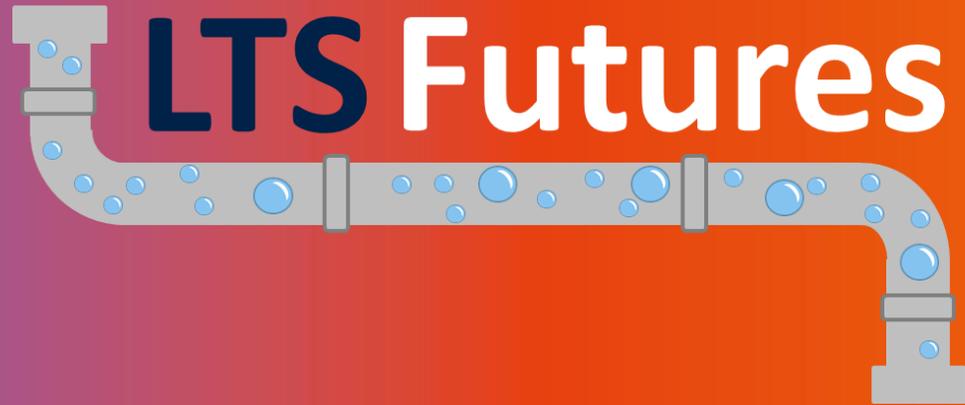
Courtney West

25th May 2022



SGN

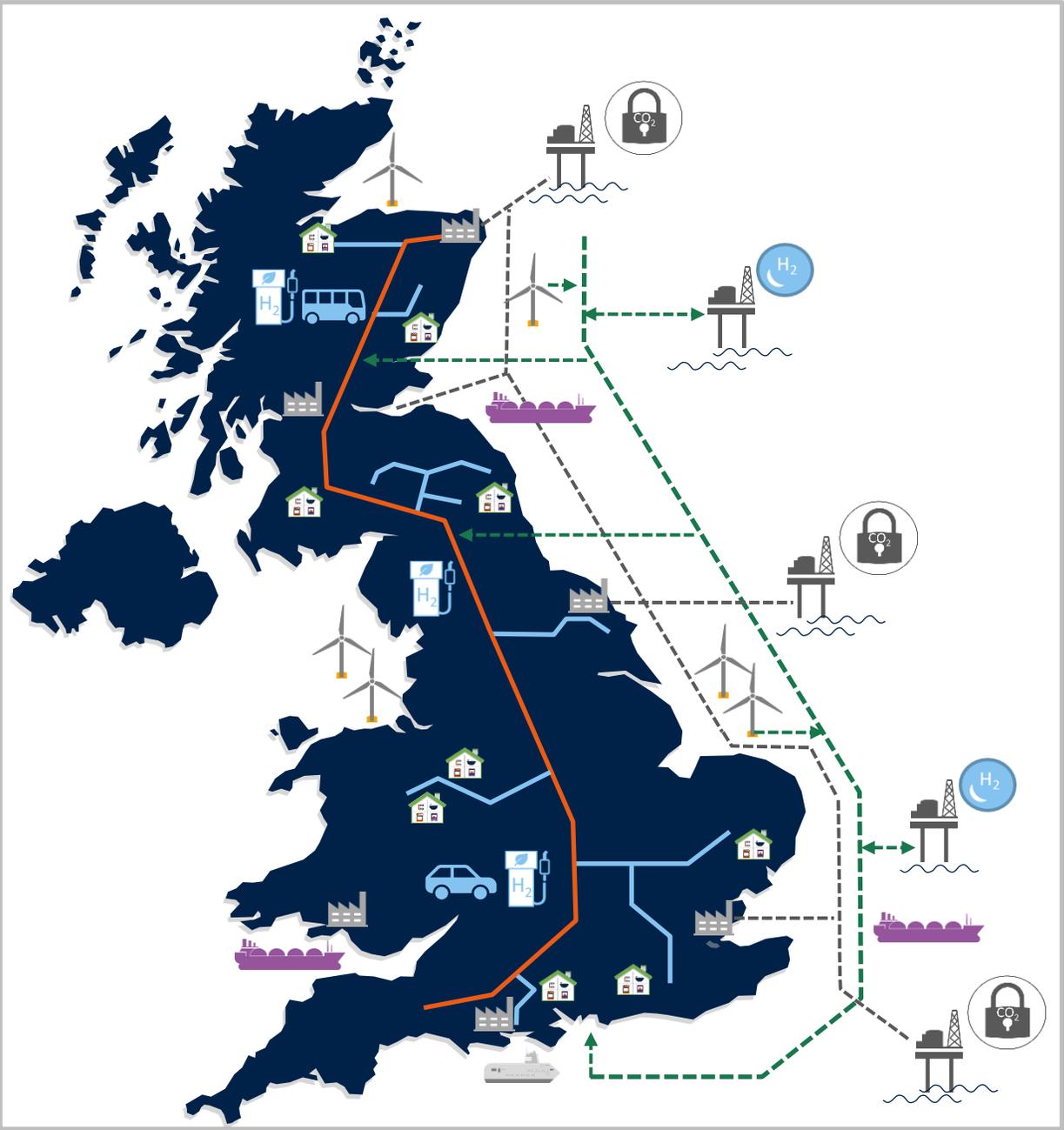
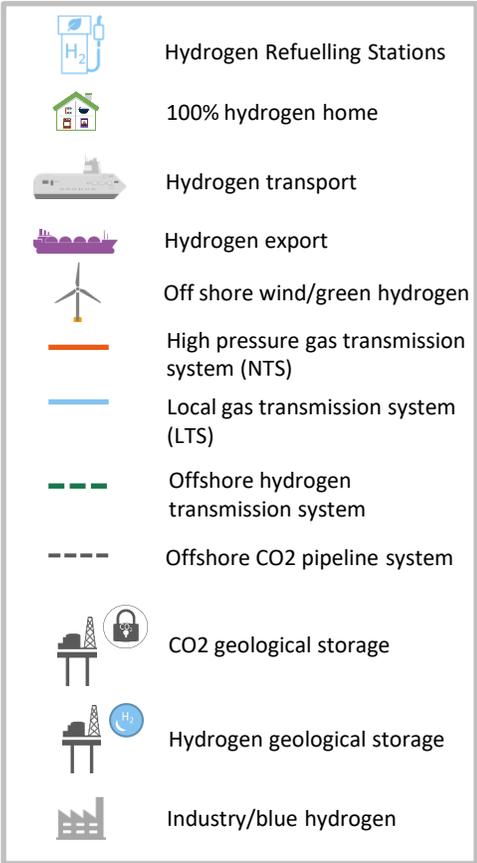
Your gas. Our network.



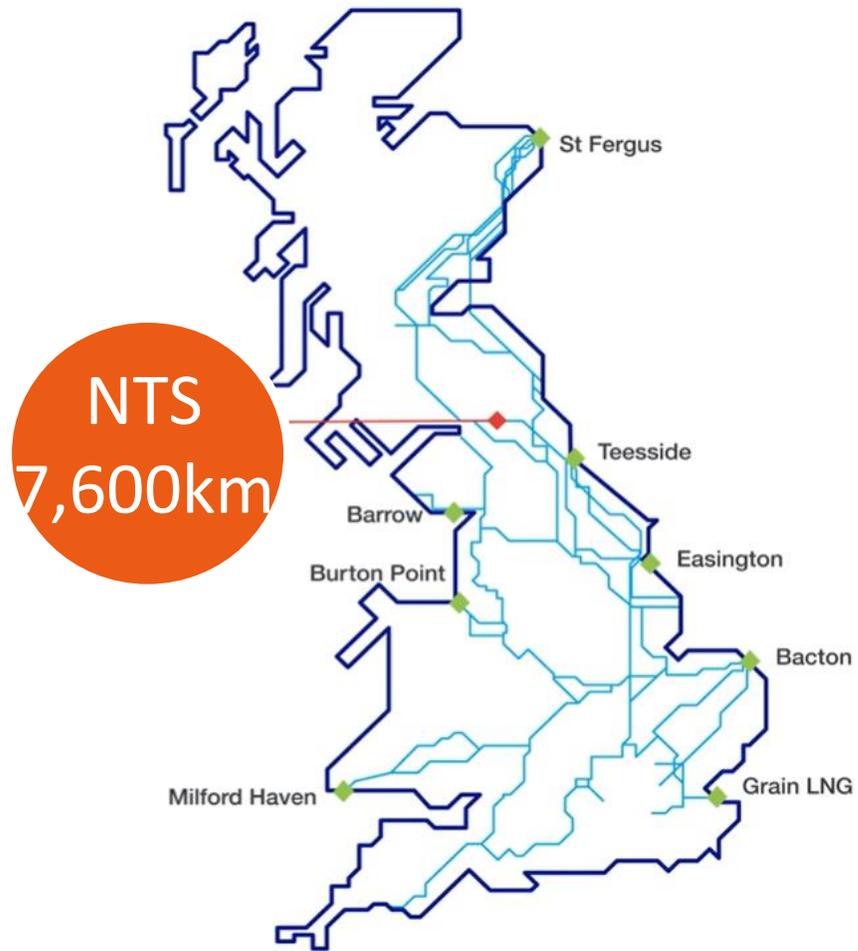
**Net Zero Pre-construction Work and
Small Projects Re-opener**



End States



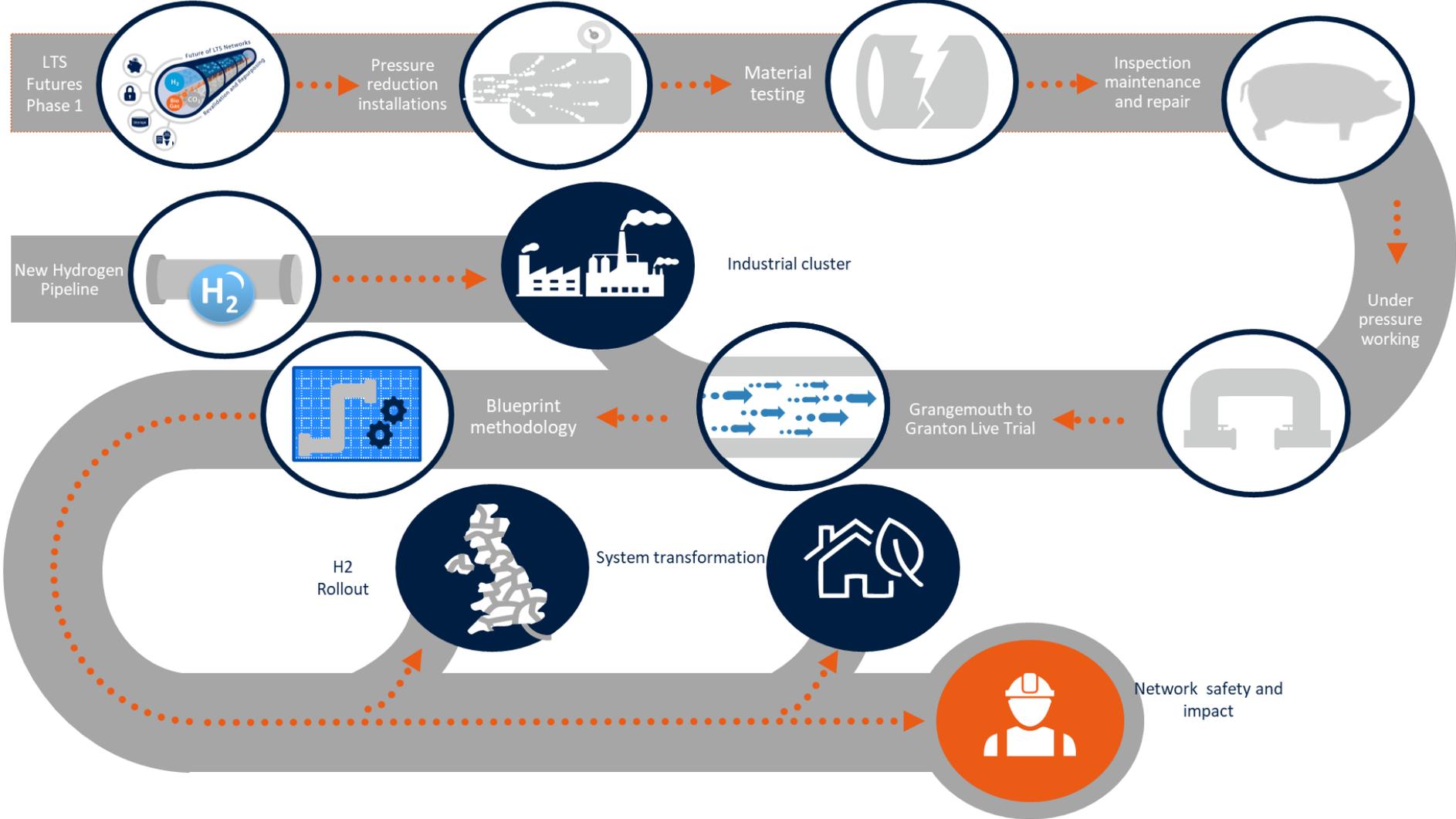
Scale of the LTS



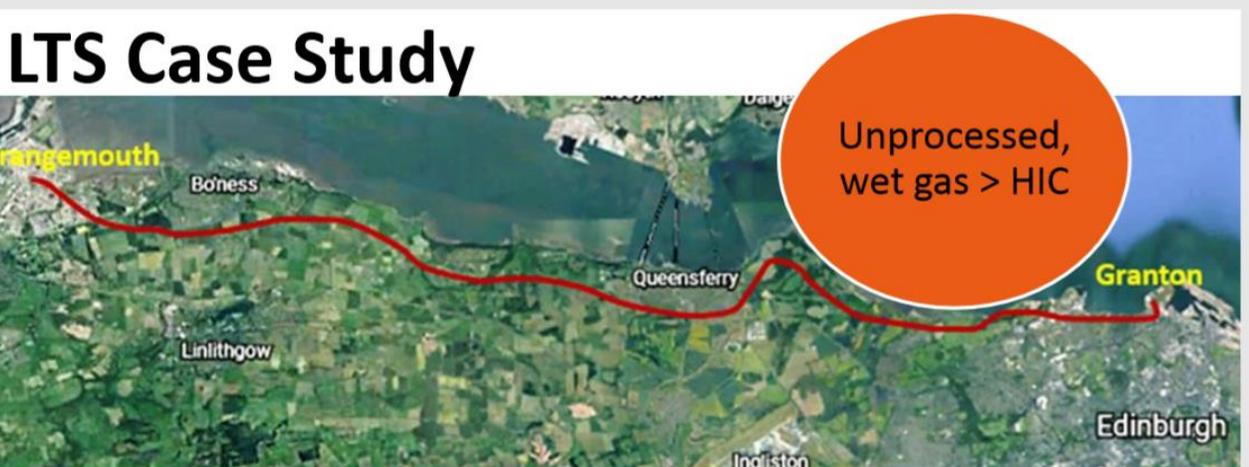
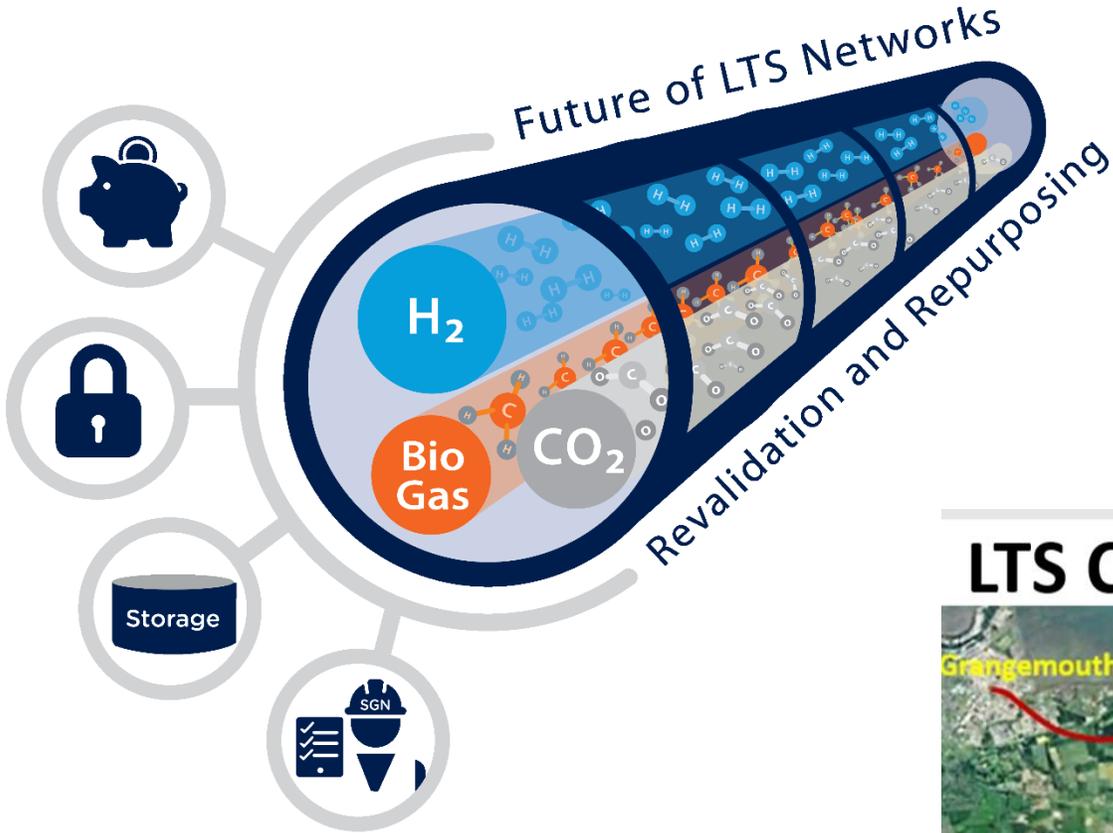
LTS
>11,000km



LTS Futures Programme/Roadmap

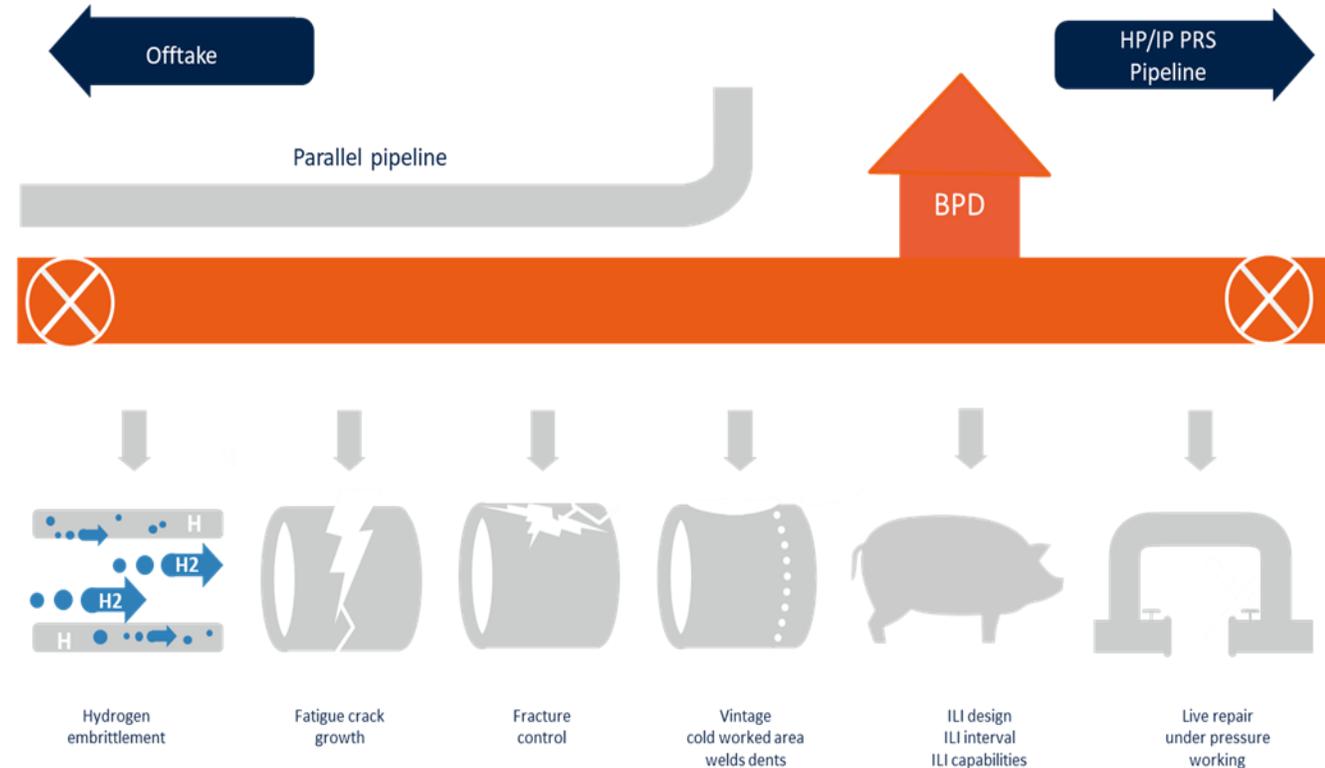


LTS Futures-Phase 1

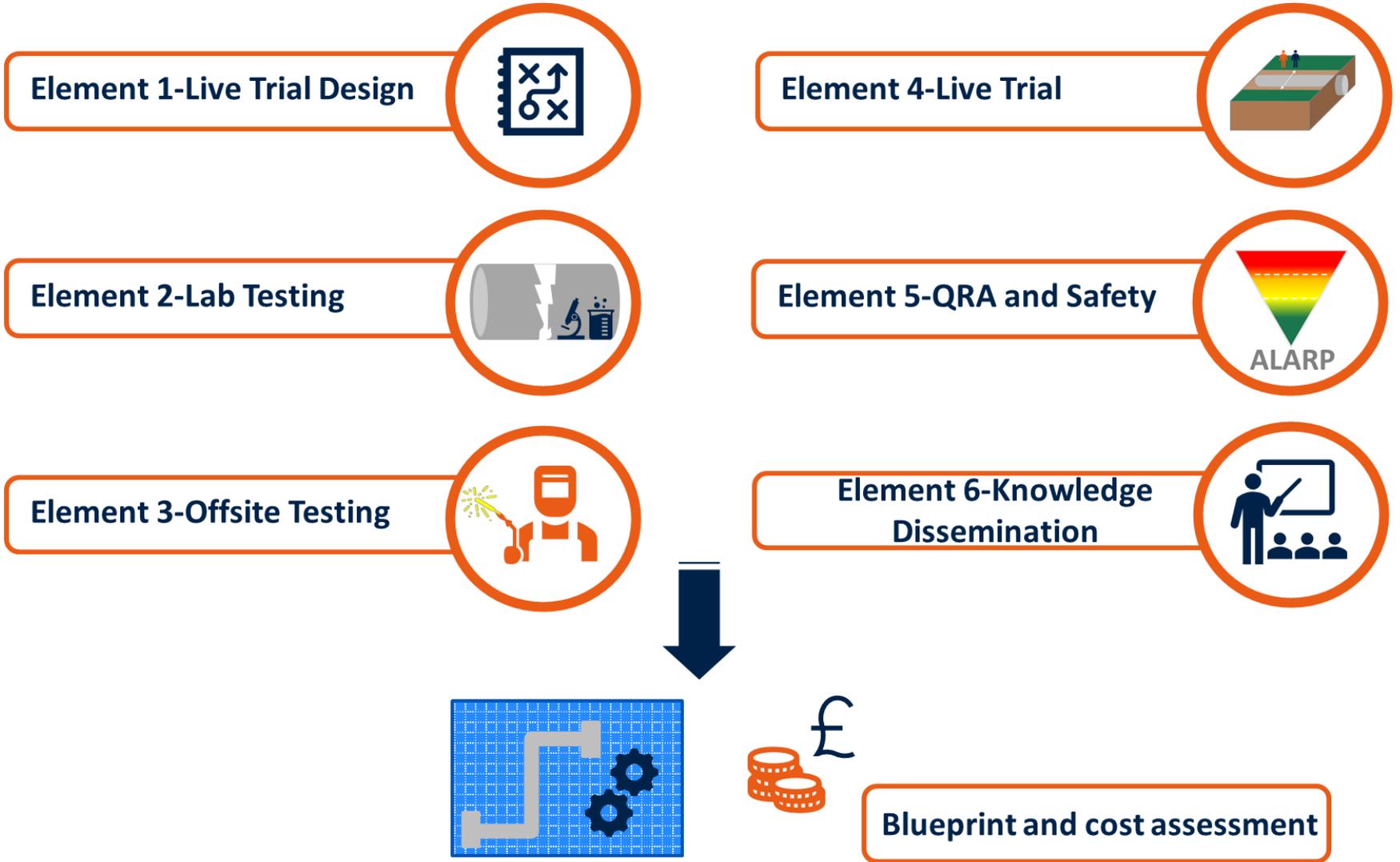


HyTechnical and material testing

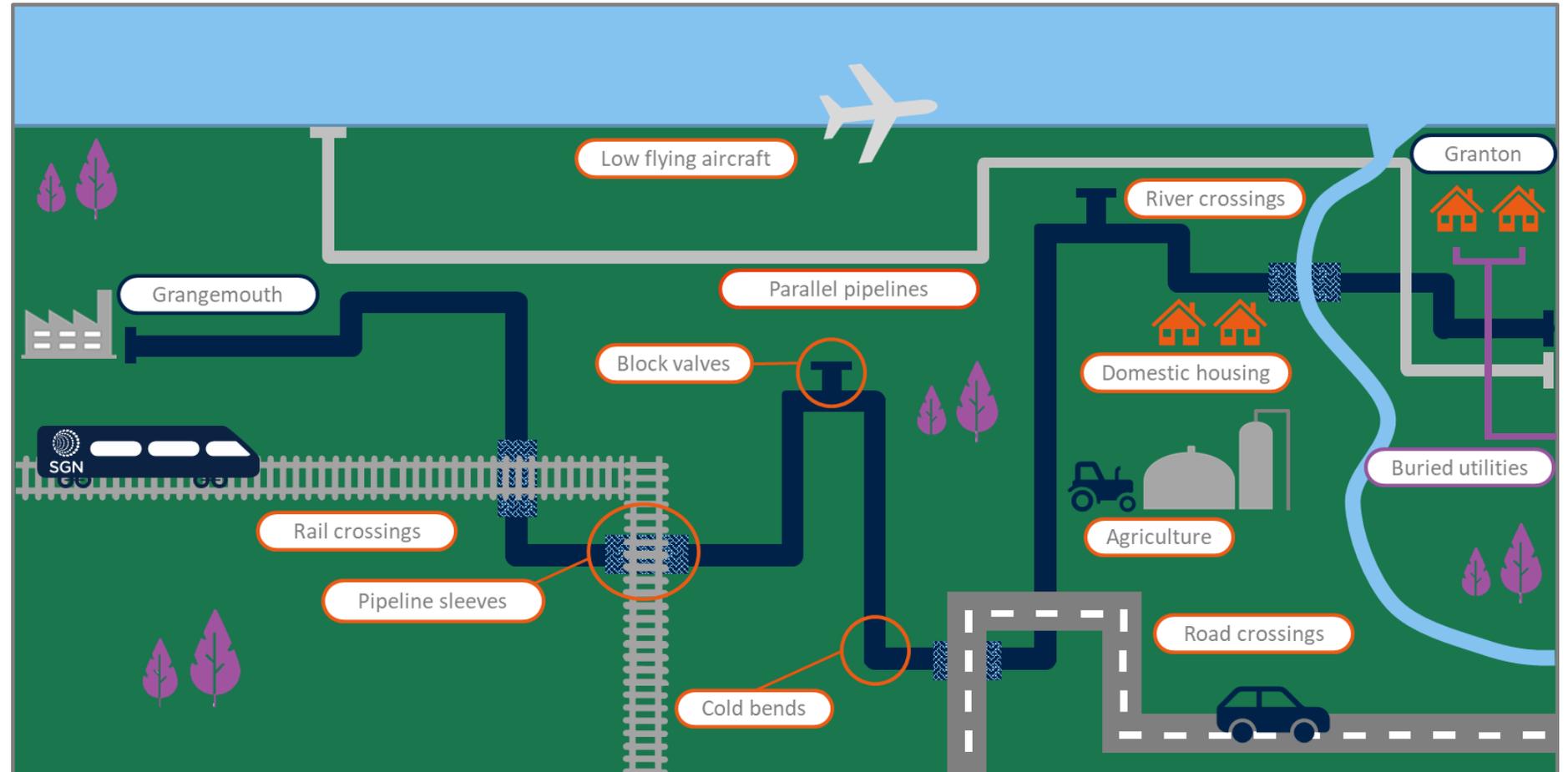
1. Desktop exercises to understand the impact hydrogen has on:
 - a. Inspection, Maintenance and Repair (IMR);
 - b. Repurposing Pressure Reduction Installations (PRI); and,
 - c. Building Proximity Distance (BPD) and separation distances to parallel pipelines.
 - d. Venting, reviewing the SR/23 venting standard
2. Development of hydrogen supplements to gas industry standards (TD1, TD3, TD4 and TD13)
3. Updating of SR/25 hazardous area standard for hydrogen.



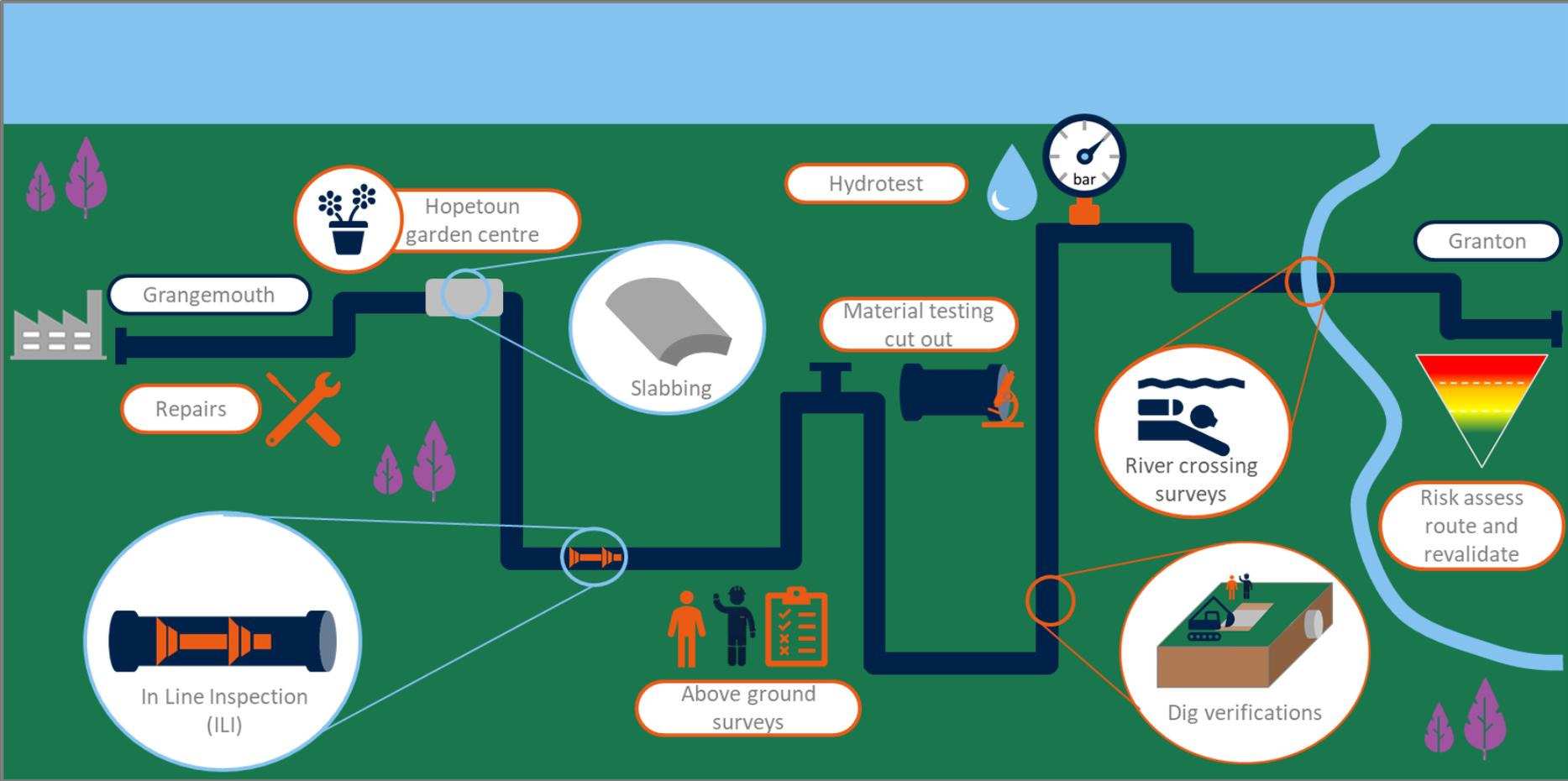
LTS Futures Programme



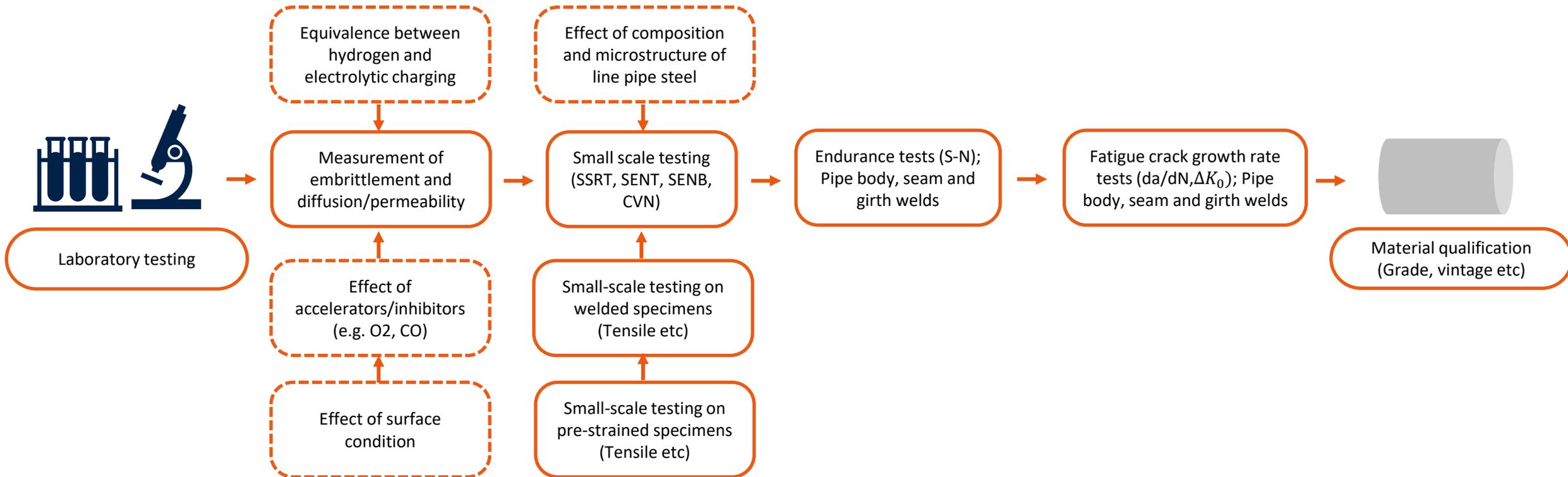
Trial design



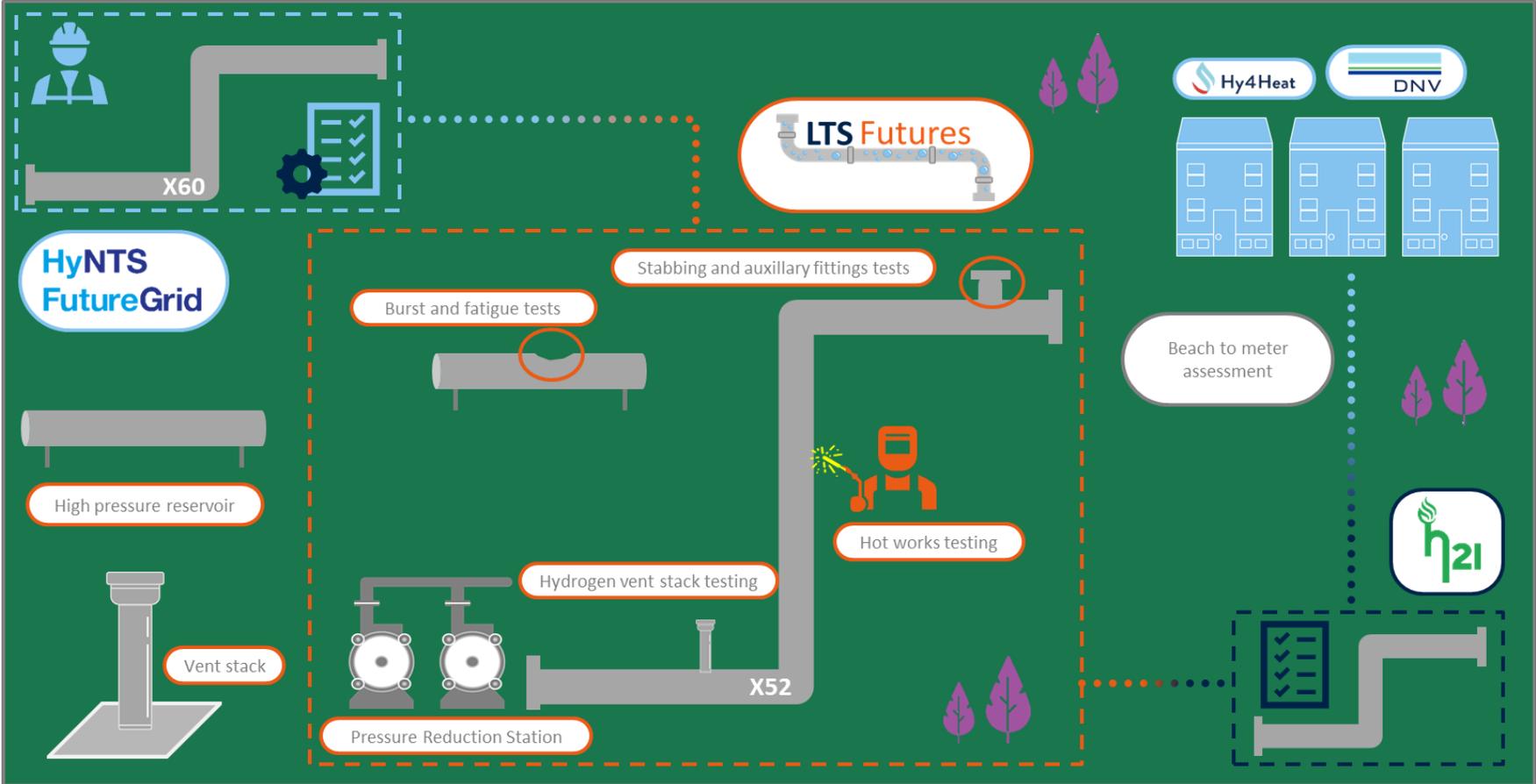
Element 1-Live Trial Design



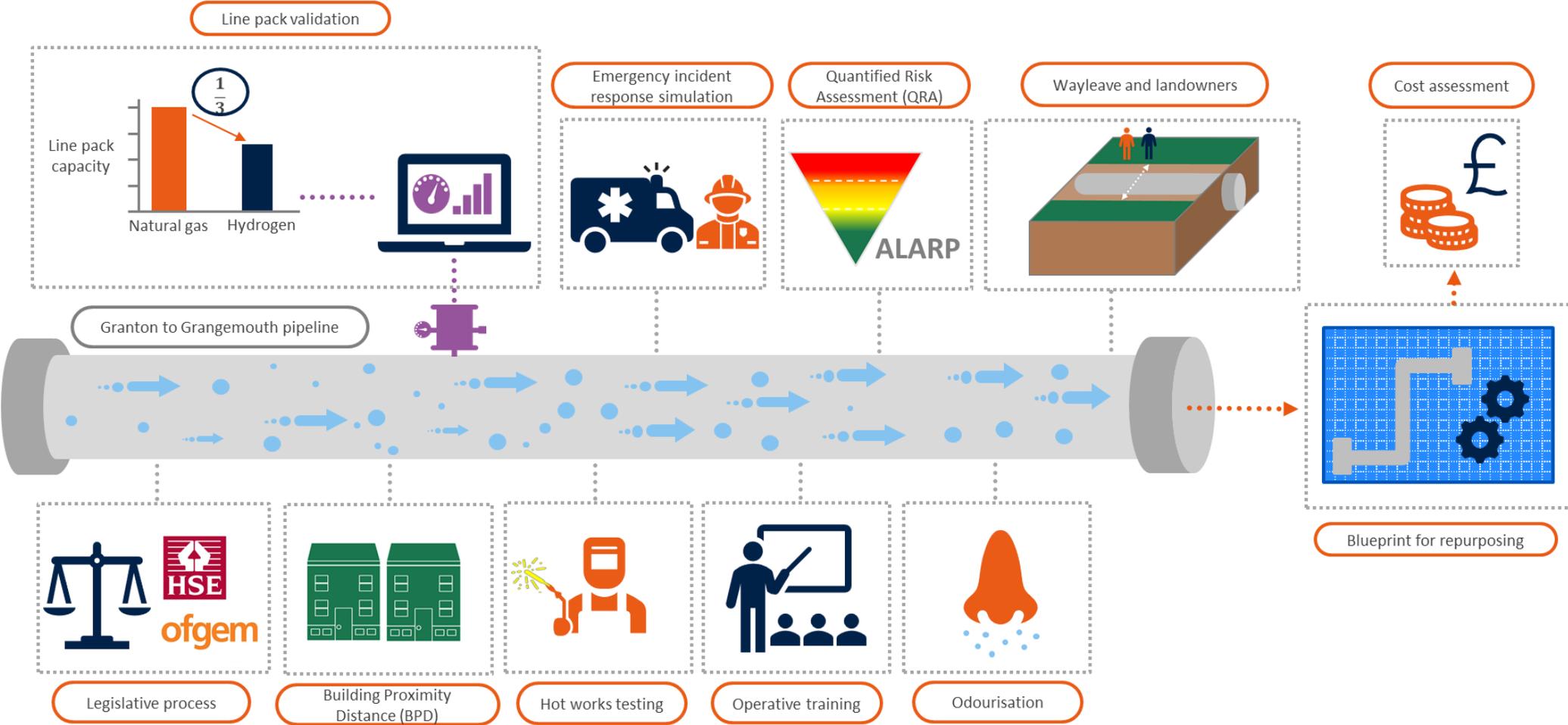
Element 2-Lab testing



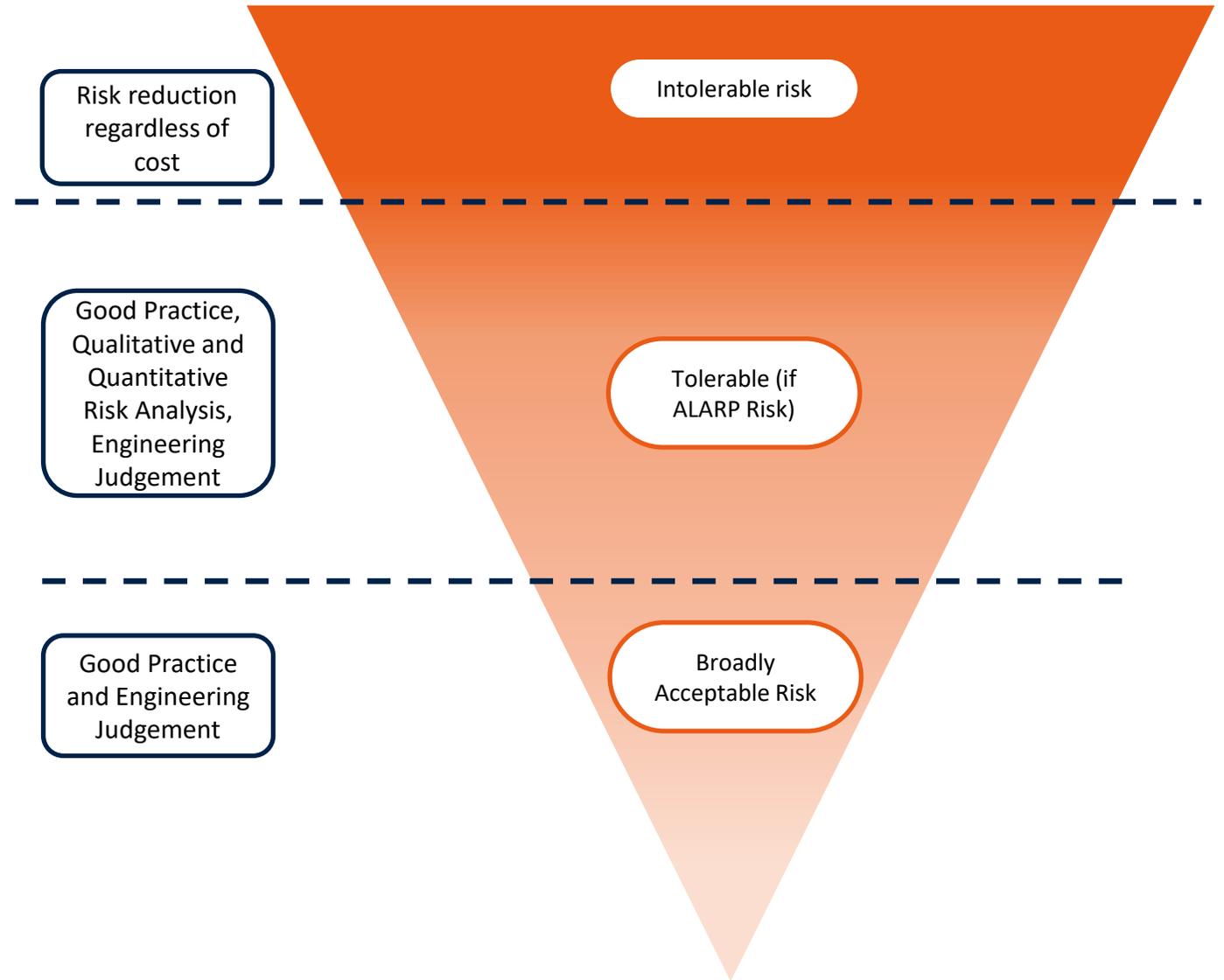
Element 3-Off site testing



Element 4-Live trial



Element 5-QRA and Case for Safety



Element 6-Knowledge Dissemination

A large orange rounded rectangle containing a collection of logos for various organizations and companies. The logos are arranged in a grid-like fashion. The logos include:

- EDINBURGH THE CITY OF EDINBURGH COUNCIL
- West Lothian Council
- Falkirk Council
- petroineos REFINING AND TRADING
- EWI
- ofgem
- nationalgrid
- LTS Futures
- PMC Pipelines Maintenance Centre nationalgrid Inspect, Repair, Replace
- HSE Health & Safety Executive
- Northern Gas Networks
- Cadent Your Gas Network
- EPRG
- TDW
- WALES & WEST UTILITIES
- Department for Business, Energy & Industrial Strategy
- INEOS FPS

Ofgem decision



ofgem
Making a positive difference
for energy consumers

Decision

SGN LTS Futures Project Decision

Publication date:	10 March 2022
Contact:	Duncan Innes
Team:	Gas Networks Development Team
Telephone:	020 7901 7471
Email:	duncan.innes@ofgem.gov.uk

The Net Zero Pre-Construction Work and Small Project (NZASP) Re-opener enables the funding of small value, but high impact, Net Zero work by gas distribution and gas transmission network companies. In October 2021, we received an application from Scotland Gas Networks (SGN) for its LTS Futures project which will assess the suitability of local transmission system (LTS) pipes for transporting hydrogen. Following stakeholder consultation, we have decided to fund this project under the NZASP re-opener. Our reasons for this decision are set out in this document.

OFG1162



Thank you

Courtney.west@sgn.co.uk



SGN
Your gas. Our network.