

SESSION THREE

USE OF TRENCHLESS OPTIONS

Session Chair – Tim Sargent
UKSTT Vice Chair



Options ?

- What's available – a *Snapshot* of trenchless and what UKSTT see...
- **Growth in rehabilitation and new networks** – why not do more trenchless ?
- **Data innovation** – worth a pause, will it tip the balance?



Why bother ? Just keep on Digging ?



Dig or Think Trenchless - benefits and value?



A SIMPLE "WE APOLOGISE FOR ANY INCONVENIENCE" WOULD HAVE SURFICED



Trenchless Options ?

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Snapshot of trenchless and what UKSTT see...



There is a World of Trenchless out there



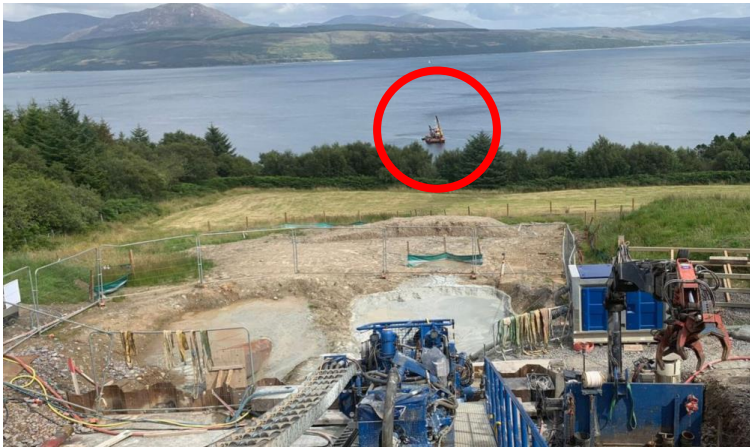
Options are rather broad...from the **smallest network element** to some of the **largest**...



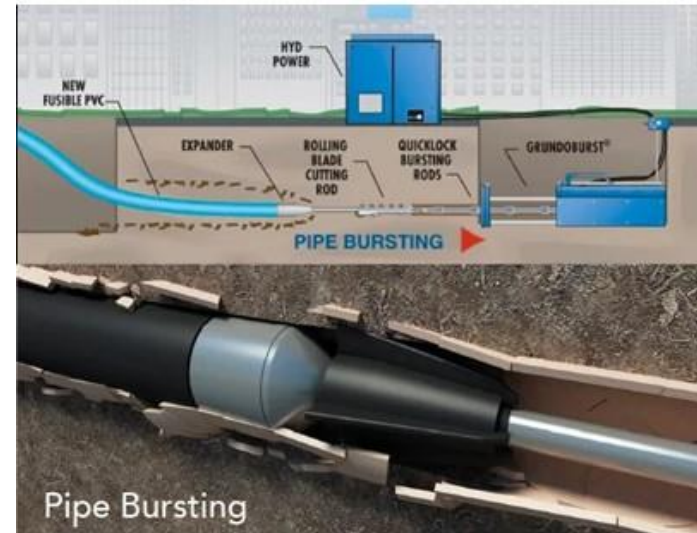
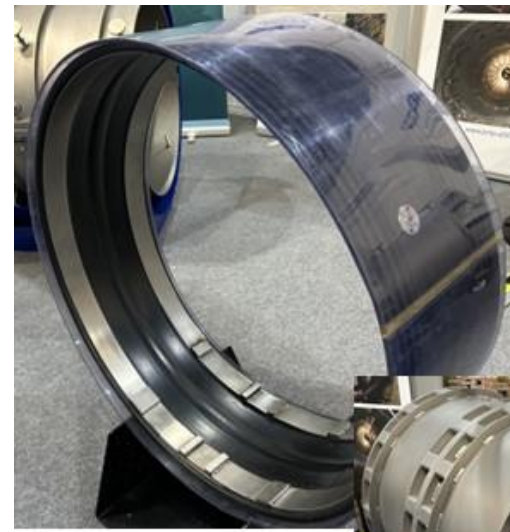
Trenchless comes in all shapes and sizes.....



tradition tunnelling to directional drilling.....



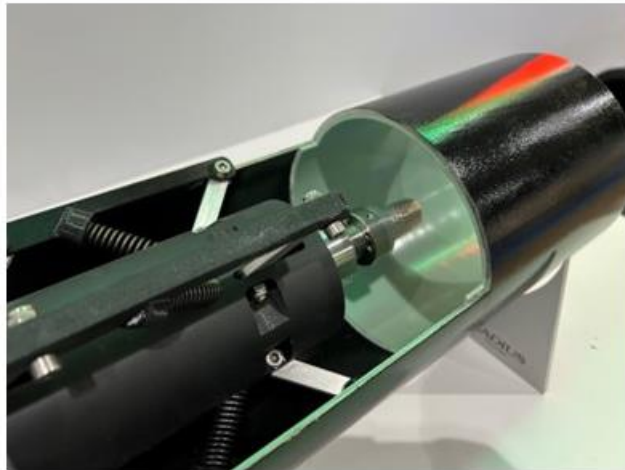
isolated repairs & maintenance to... on-line renewal & lining.....



robotics, spray in-situ and close and tight fit PE lining.....



19 Mar 2024 at 10:01:43
28 Myddleton Ave
London
England
N4 2DP
United Kingdom



If these aren't options, then try "Low-Dig"....



Why aren't we doing more? Early "design trenchless in" ??



Do we fear that it's all a bit too new and innovative?



CORROSION

BEFORE

AFTER

*Cleaned & lined
by the
Tate Process
of*

CEMENT CONCRETE LINING "IN SITU"

This process meets all the demands and requirements of Water Controllers. Saves time, consumers' complaints, and is economical. It has been adopted by water engineers in many parts of Great Britain, and throughout the world—the only process for applying cement linings "IN SITU."

The cement used in the Tate process is Ciment Fondu, which has a proved resistance to soft waters, and once the work is completed you can be certain of the permanency of the lining.

New life is given to old pipes, and you have a corrosion-free system immune from further incrustation.

An all important factor in this process is that in addition to reconditioning mains, it also cleans house connections, which in most cases are left untouched.

Learn more about the Tate Process, which does the job thoroughly, and leaves your mind free from worry afterwards. Please write for further particulars and Booklet "C."

TATE PIPE LINING PROCESSES LTD
39, VICTORIA STREET, WESTMINSTER, S.W.1

Branch Office and Depot: REDGATE LANE, WEST GORTON, MANCHESTER, 12
Telegrams: "CRETELINED, PHONE, LONDON." Telephone: VICTORIA



1937



2025

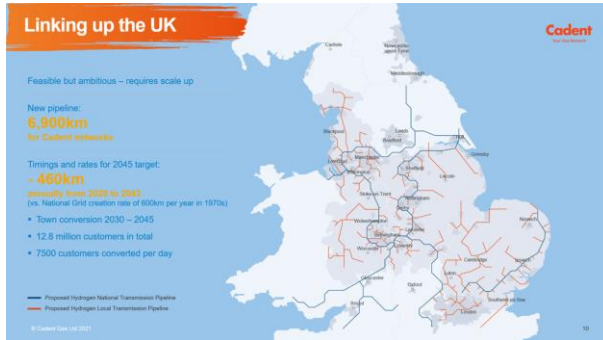
Trenchless Growth ?

- What's available – a *Snapshot* of trenchless and what UKSTT see...
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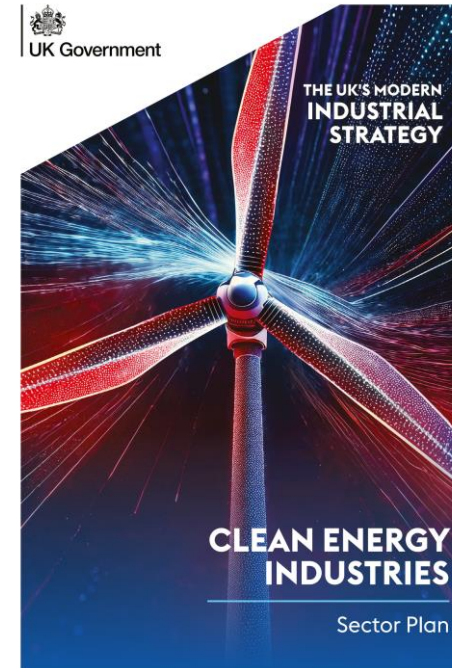


Trenchless Growth ?

Hydrogen > stop or start ?



Press release
£500m boost for hydrogen to create thousands of British jobs
Thousands of clean energy jobs to be created through new hydrogen funding.
Department for Energy Security and Net Zero and The Rt Hon Ed Miliband MP
13 June 2025



20th Dec 2024

Government published its [response](#) to the 'Streetworks: fines and lane rental surplus funds' consultation that closed earlier this year.

This response outlines the Department for Transport's decision to implement all the proposals set out in the consultation, **as part of its broader agenda to reduce "disruption caused by street works"** and boost infrastructure as part of its Plan for Change.

Press Release

Water companies to replace around 8,000 km of water mains pipes – a 400% increase compared with the current 5-year period

OFWAT

April 2025

Wastewater rising mains > failures growing?

New electric networks> driven by new demand/age

Population growth> connections/ reinforce transmission networks?

Asbestos water mains> age and renewal ?

Leaking sewers and infiltration overload > pollution challenges ?

No Holes in the road> notification and fines?

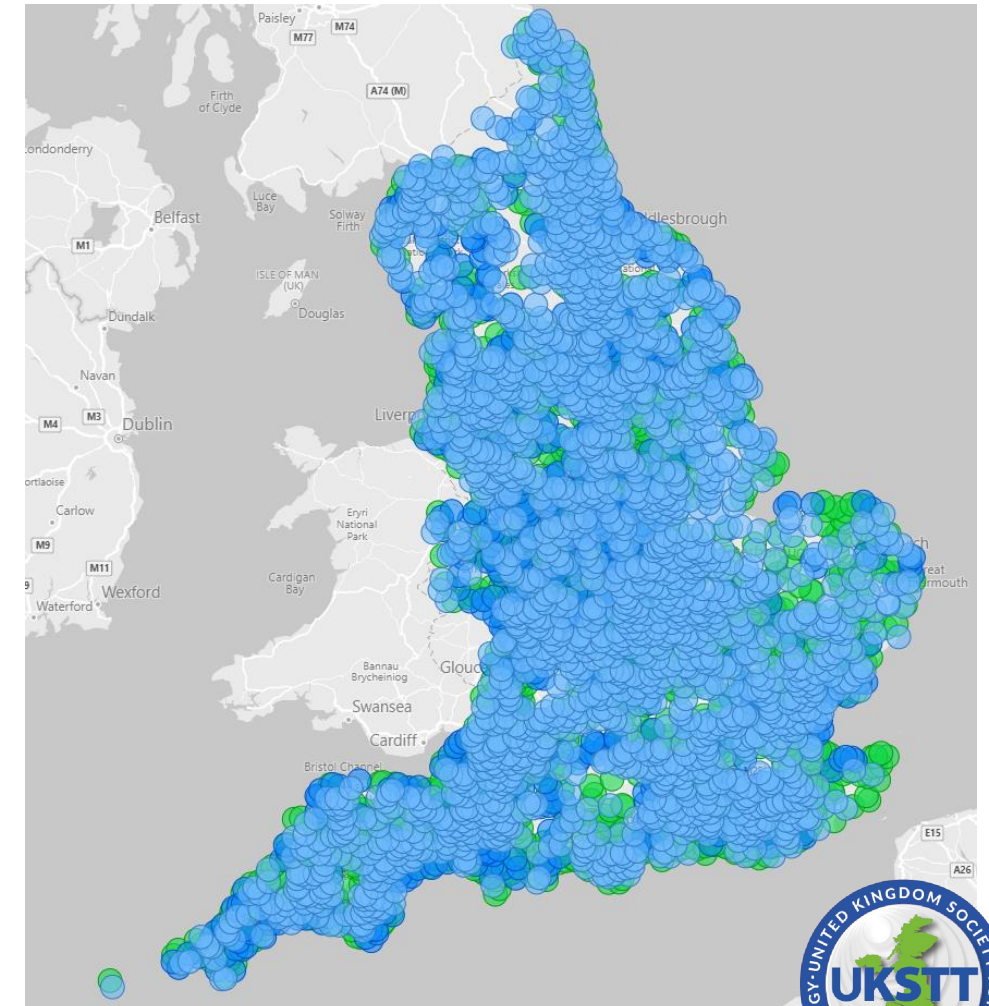
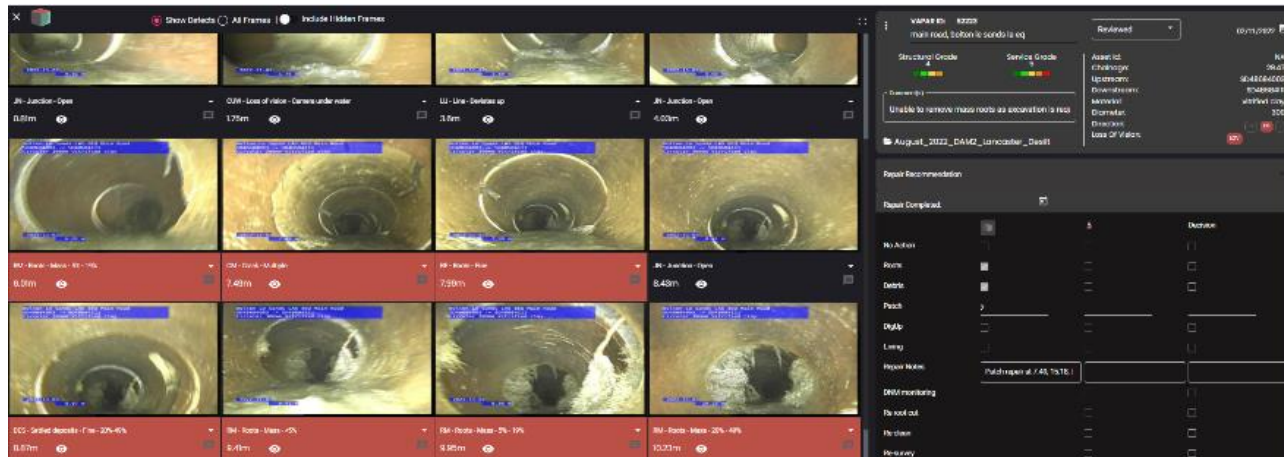
Pause on AI value in trenchless ?

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Could AI revolutionise trenchless applications ...helping “design it in” ?

- Artificial intelligence
- Autonomous robotics
- Real time monitoring



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