



Government
Digital Service



Department for
Science, Innovation
& Technology

NUAR: from vision to reality

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1) Why do we need NUAR?

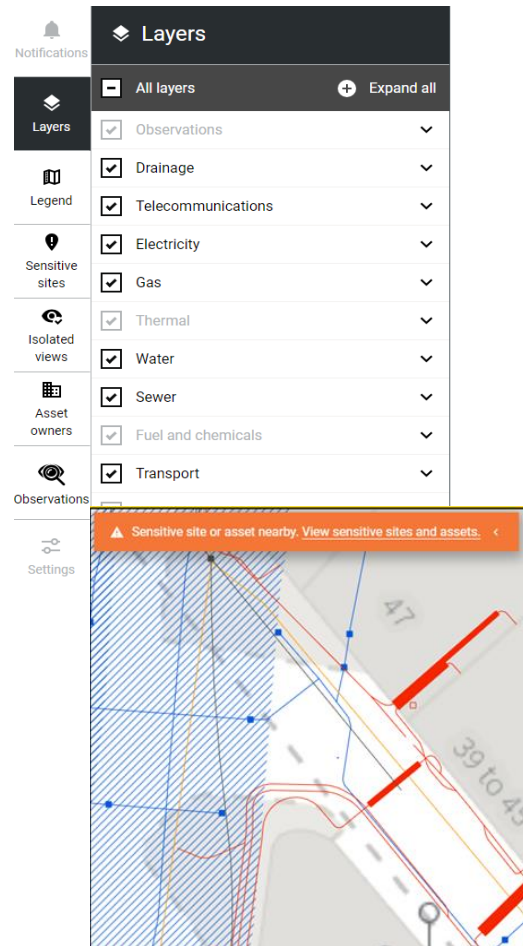
- Over **4 million km** of buried pipes and cables in the UK.
- A hole is dug every **seven seconds**, with c. **60,000 accidental strikes** annually, costing the economy **£2.4 billion** each year.
- Excavators typically request data from 6-10 organisations, receiving it in various formats and scales in **an average of 6.1 days**.

2) What is NUAR?

- NUAR is an **interactive digital map** of underground pipes and cables, transforming their installation, maintenance, operation, and repair.

3) What will NUAR deliver?

- A comprehensive, interactive, standardised and immediate view of buried assets.
- Reduced time to request, receive and prepare data for a single project from 6.1 days to a **matter of seconds**.
- **Over £400 million** per year of economic growth through **increased efficiency**, **reduced asset strikes** and **reduced disruptions** for the public and businesses.
- Improved worker safety



Much more than a map...



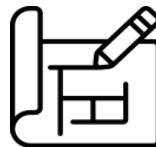
Standardise

...data from 650+ asset owners



Secure

...data shared through the platform to safeguard and protect against misuse



Streamline

...data sharing between asset owners and those planning and carrying out excavations



Support

...improvement in data quality through missing or erroneous data being fed back



Safety

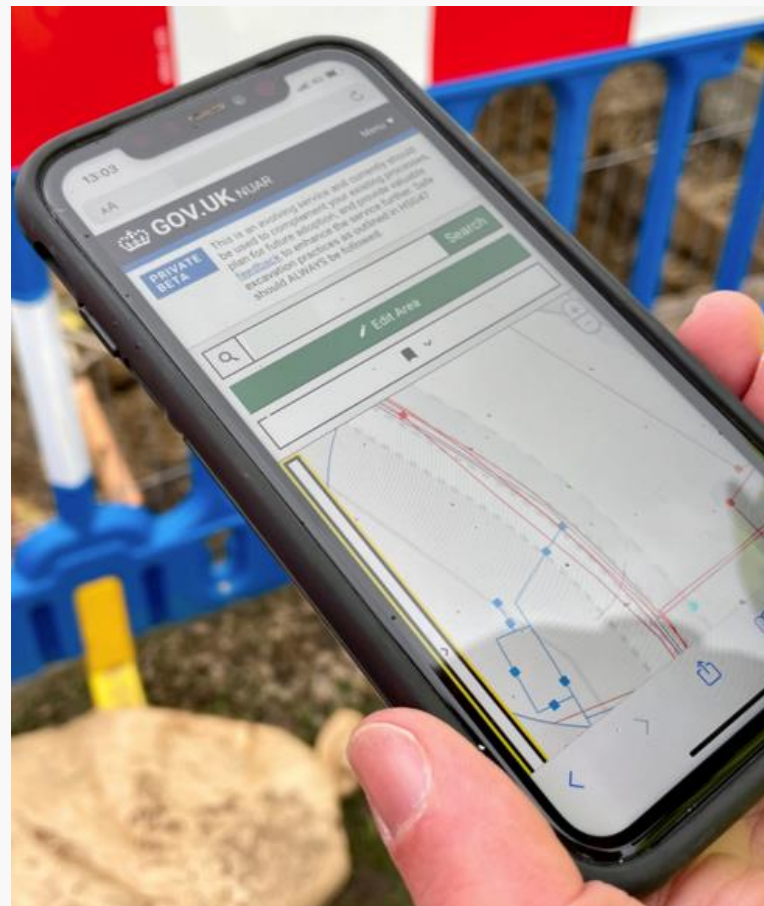
...improvements for workers through better access to data

Timeline



Current status of NUAR

- Available as an MVP, covering the whole of England and Wales, and went live in Northern Ireland in spring 2024.
- Measures have been tabled in the **Data (Use and Access) Bill**, which would allow NUAR to operate as a statutory register and are progressing through parliament.
- **Ordnance Survey** are now operating NUAR.
- The NUAR service will move to **public beta** in spring 2025.
- Over **40%** of asset owners now have data available on the service.
- We are currently considering the results of the '**discovery work**' on potential opportunities to widen access to NUAR data.



Lessons Learned

Theme	Headline	Theme	Headline
Theme 1 – Set up for Success	1. Focus on high-value outcome(s)	Theme 2 – Execute ¹	10. Enable cross-sector data sharing.
	2. Embrace community and collaboration		11. Remember not all data is equal.
	3. Listen and learn.		12. Be agile and iterate.
	4. Build a business case.		
	5. Contract flexibly.	Theme 3 – Entry to service ¹	13. Remember scale and adoption.
	6. Embed security.		14. Encourage innovation.
	7. Think sustainably.		15. Use Regulation.
	8. Build empowered teams.		
	9. Embed structure and governance.		

The Teal Book – just published

The Teal Book provides guidance that enables practitioners and teams to direct and manage portfolios, programmes and projects in government;

This intends to ensure the successful and timely delivery of government policy and business objectives.

