



Geospatial
Commission

NUAR – creating connections

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GeoPlace conference
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Why do we need NUAR?

- Over 2.5 million miles of buried pipes and cables in the UK
- 4 million holes dug, and c. 60,000 accidental strikes a year
- The estimated economic cost of this is £2.4 billion a year
- Asset owners, including Local Authorities, are legally required to make their data available for free, and do so continually
- Planners and excavators, including Local Authorities, need the data to do their jobs safely and efficiently, but data is held by over 650 organisations
- Excavators most often request data from 6-10 organisations, with it provided in different formats, scales and to varying timeframes
- On average 6.1 days to request, receive and prepare the data for a single project

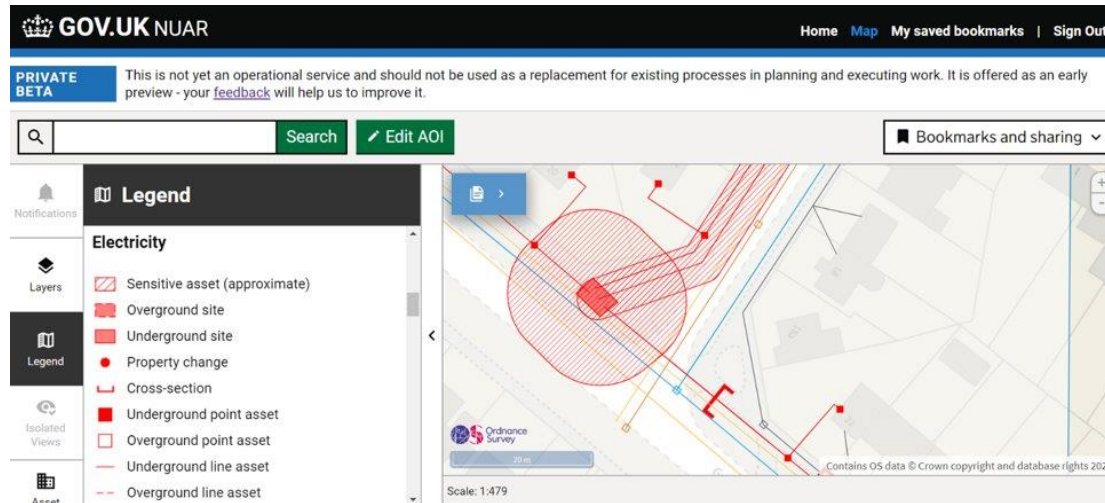


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What is NUAR?

- NUAR is an interactive, digital map of underground pipes and cables
- It will revolutionise the way we install, maintain, operate and repair our buried infrastructure
- NUAR's economic benefits are estimated to be at least £400 million per year, consisting of efficiencies, reduced asset strikes, and reduced delays to the public and businesses



Much more than a map...all about connections



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

MVP available across England & Wales

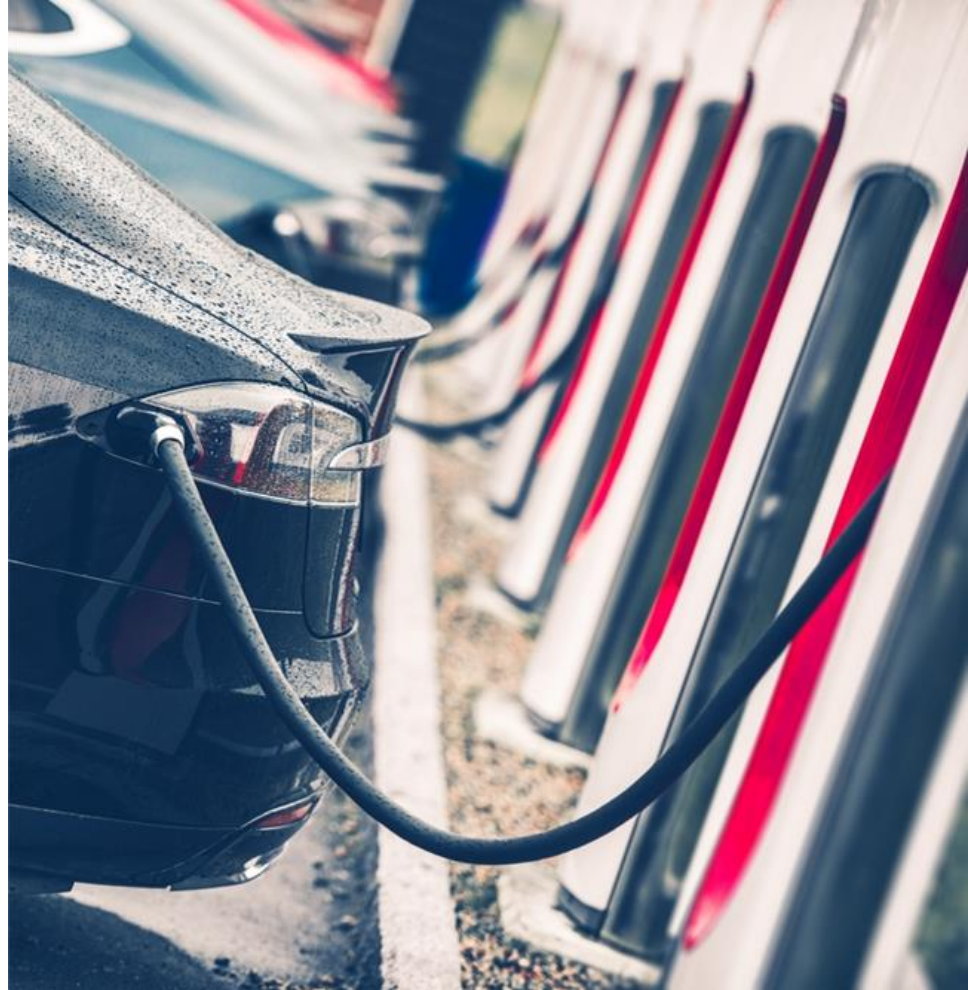
- Core functionality for 'safe dig' use case
- Covers the whole of England and Wales, live in NI this spring
- Data accessible from 203 organisations
- 193 others progressing through our onboarding process
- Available to fully onboarded asset owners and their suppliers
- Over 2,000 users, with 35,000 transactions last month. The user recommendation rate is 8.8/10.
- Does not replace HSG47
- *Not involved yet? Contact:*
NUAR.Support@atkinsrealis.com

- MVP live April 2023
- MVP live August 2023
- MVP live November 2023
- MVP live spring 2024
- Scottish Community Apparatus Data Vault



Wider connections...

- In response to stakeholder requests, a discovery project is underway to explore the additional value and feasibility of making NUAR data:
 - Available to other user groups for safe digging purposes
 - Available to support other use cases
 - Accessible via third party intermediaries / APIs
- Numerous constraints and risks
- Collaboration with stakeholders is critical



Legislative reform

- Updates to existing legislation are being progressed to ensure workers have immediate access to all the data they need, when they need it, through NUAR
- Measures will ensure that:
 - Workers have access to comprehensive data
 - The service is sustainable, funded by those that benefit most
 - The value of NUAR can be maximised, where appropriate



Summary

- NUAR is being delivered with you, for you
- NUAR is creating better connections: reducing costs and improving safety
- NUAR is now live across England and Wales, and being used by over 2,000 people
- Updates to existing legislation are progressing to maximise the value of NUAR
- Get involved sooner rather than later!

“We are using NUAR probably every day, I would struggle to find fault with it. If our old system was a horse and cart, NUAR is an F1 car.” Durham County Council





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Thank you

“NUAR will certainly improve public welfare and society in general and is without doubt, definitely the right thing to be doing, now and for future generations.” Chartered Institution of Civil Engineering Surveyors

“From a safety perspective you cannot put a price on this – it’s absolutely amazing” Northumbrian Water Group

“The immediacy with which the asset data is displayed is an enormous improvement on the previous methods by which the information was acquired.” Lewisham Council