



NUAR – National Underground Asset Register

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National Underground
Asset Register



What challenges is NUAR solving?

Problem

Over 4 million km's of buried pipes and cable in UK held by ~600 asset owners

60,000 accidental strikes per year with estimated annual cost of £2.4bn

Access to Asset Owner data take more than 6 days

Data is supplied in different formats and styles

Solution



Data available in a single place



Supports Safe Dig process



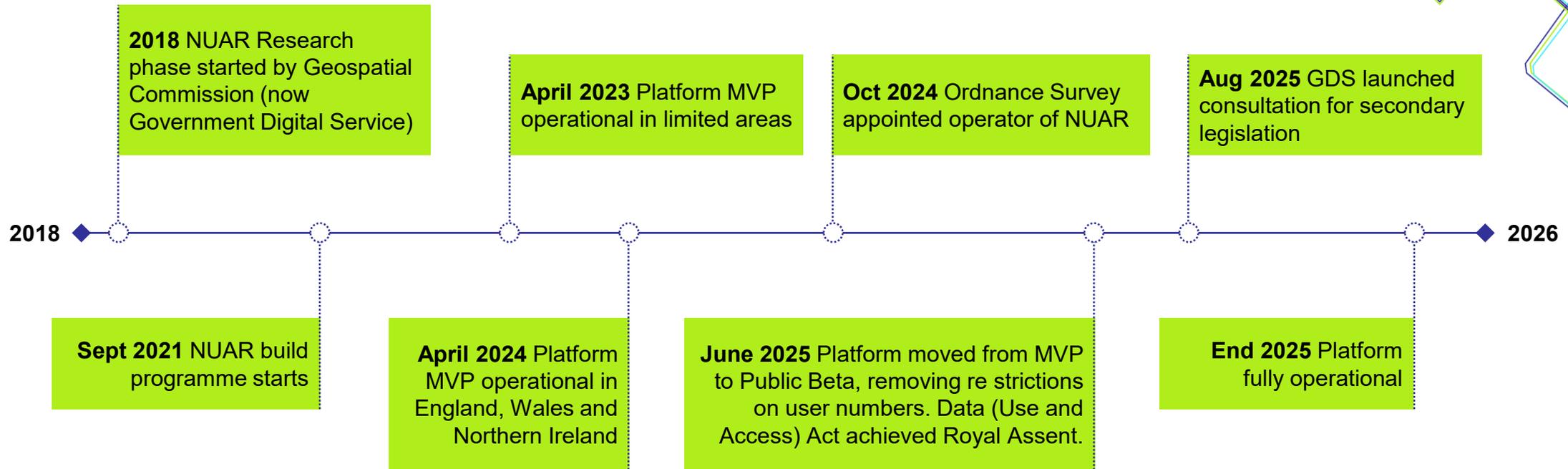
Instant access, anywhere



Standardised data and styling



Timeline



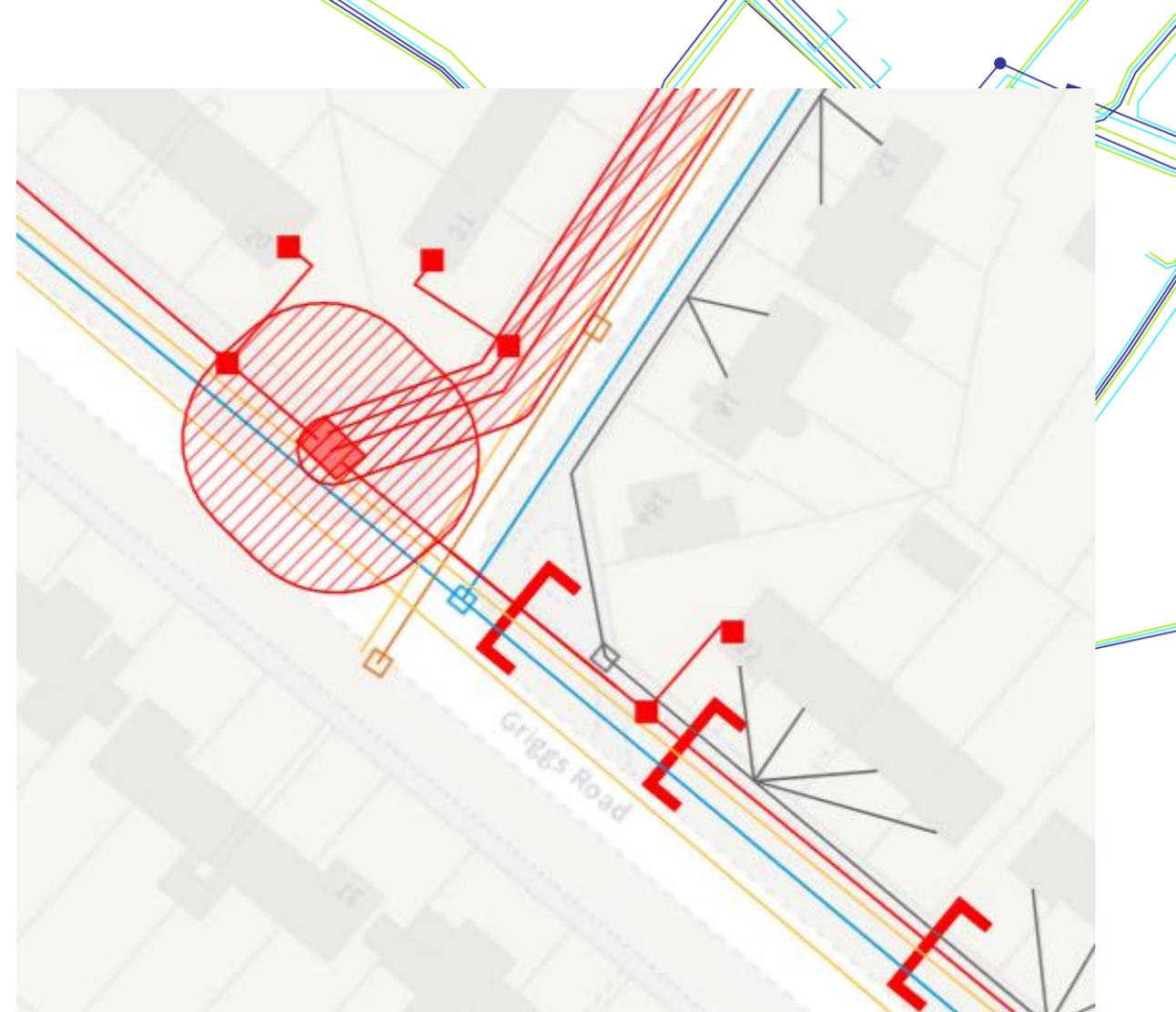
Security features

- NUAR has been developed in collaboration with:
 - **National Protective Security Agency** (formerly CPNI Centre for the Protection of National Infrastructure)
 - **National Cyber Security Centre**
 - Asset Owners' **security teams**
- It operates an **Information Security Management System (ISMS)** based on the recommendations of ISO27001:2022, including risk management, business continuity, incident management, access control and much more
- There is **permission-based access** control for the specific use case of safe dig

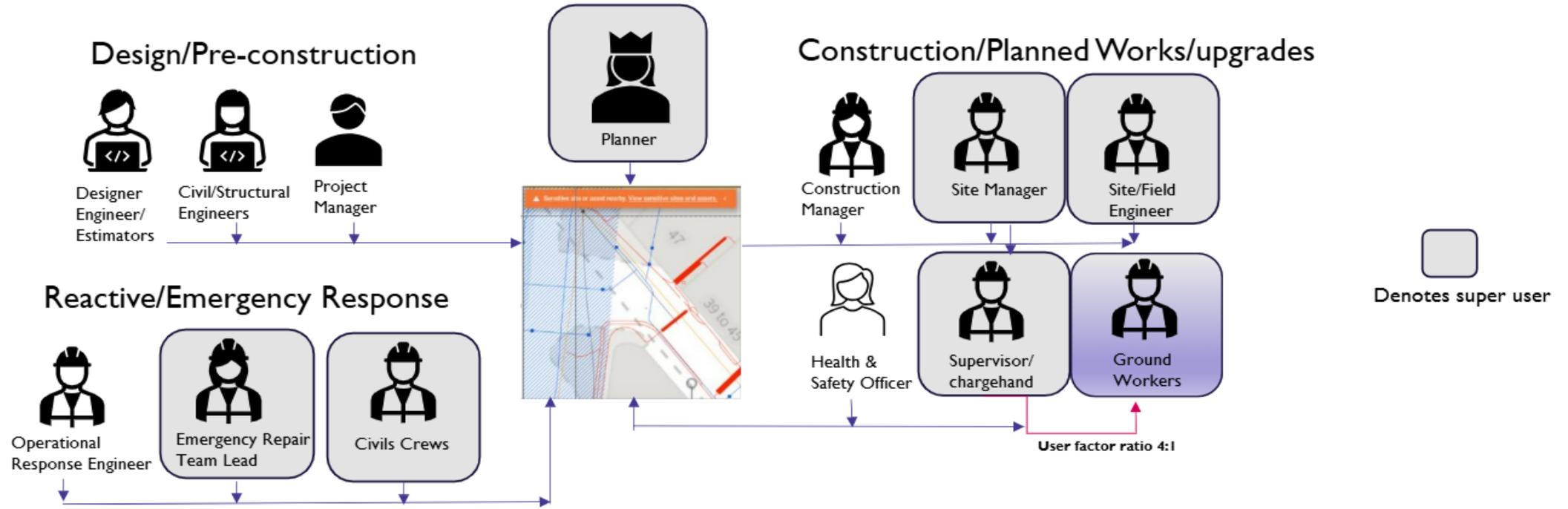


Current state

- **Public Beta** launched and **Royal Assent** granted in June
- **NUAR Enhancement** project work continues under Government Digital Service leadership
- **NUAR News**; regular workshops; opportunity to feedback
- **Industry representation**: Strategic Advisory Group and NUAR User Group
- **Openreach** agreement
- **Consultation** on next stages for secondary legislation now closed
- **Legislation**- What's Next
- **Satisfaction Survey**
- **Adoption and roll out**



Typical roles requiring access to utility plans



Note: Role names are representative and may change depending on the organisation
 Role/role type propositions, benefits and dependencies have been developed
 and will continually be enhanced (see Annex I).

Other key personas:





Legislation

- The Data (Use and Access) Act 2025 received **Royal Assent on June 19, 2025**, and aims to reform data management in the UK
- The Act specifically mentions NUAR as “**The register of information relating to apparatus in Street in England and Wales**”
- GDS and Industry are working through what this means via **consultation**:



Case studies

*“NUAR provided GTC with a centralised system, simplified tasks, improved geospatial activities and **increased efficiency**. Teams were able to make **more informed decisions in planning** and **improved safety** and coordination across various activities highlighted NUAR's value.”*

- GTC

*“NUAR provides a central place for all asset owners information. This allows **processes to be streamlined** and the timeframe for gathering information to be significantly expediated, giving **time/efficiency savings of approximately 75%**”*

- Lincolnshire County Council

*“The ability to view significant underground assets not available online allowed for **more efficient planning and better decision-making**. Team members experienced **streamlined workflows** and increased confidence in their planning decisions, leading to **improved project outcomes**”*

- B4RN



Any questions?

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