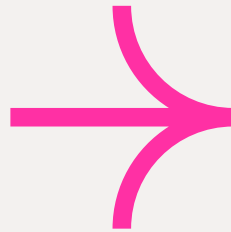


Geospatial Data in Fire & Rescue

How Ordnance Survey delivers and supports

Richard Barker - Geospatial Consultant

Sept 2025



Agenda



- Public Sector Geospatial Agreement
- Fire & Rescue Statutory Services
- OS Data within Control Systems
- OS NGD Analytical Data
- OS NGD for Fire & Rescue
- Partner Scheme
- Licencing

Public Sector Geospatial Agreement (PSGA)

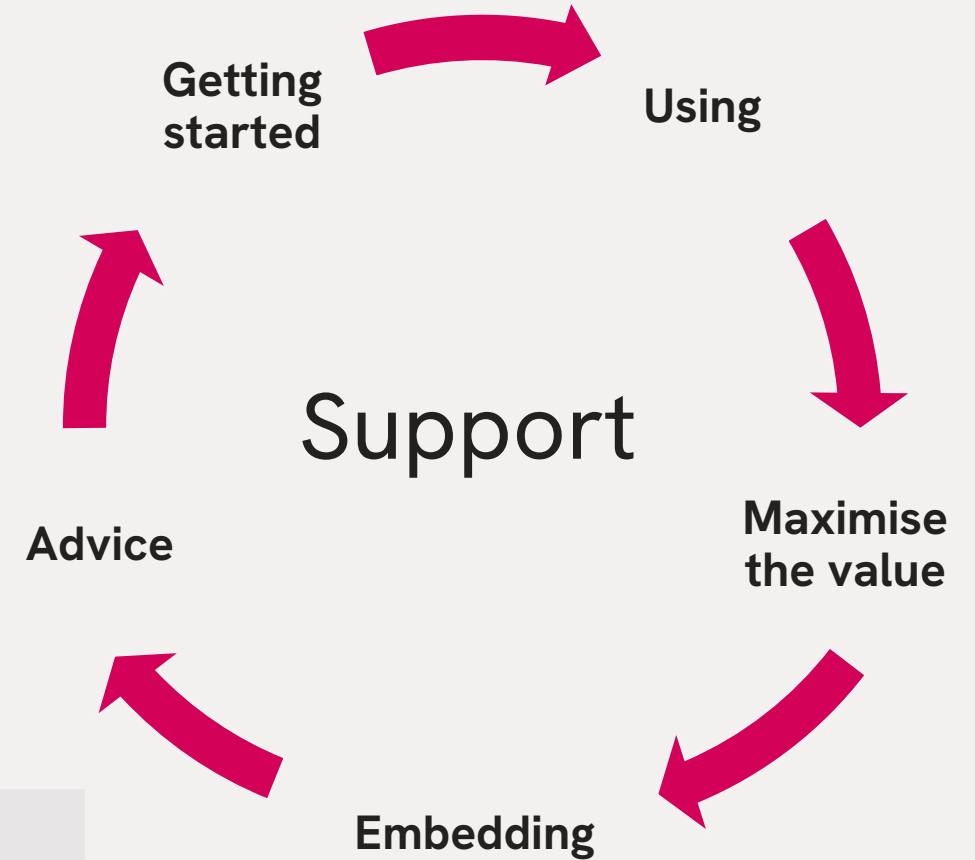
Contract between Ordnance Survey and the Government Digital Service (GDS) on behalf of the public sector in England, Wales, Scotland.

Allows Public Sector members to access, use and share our data and expertise.

A 10 year agreement. Commenced on 1 April 2020

replaced the Public Sector Mapping Agreement (PSMA) and the One Scotland Mapping Agreement (OSMA) (on 19th May 2020)

Other, Non-OS Large Public Sector Contract: Aerial Photography Great Britain (APGB)



Fire & Rescue Statutory Services

Prevention

Home Fire Safety, Community Safety, Roads

Protection

Risk Based Inspections & Building Regulation

Response

Fires, Road Traffic Collisions, Multi Agency Incidents

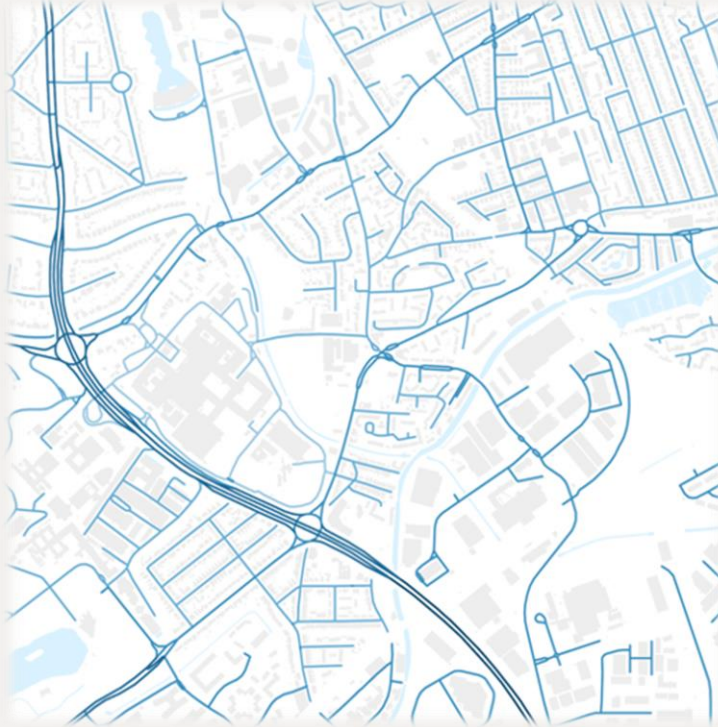
**Community Risk
Management Plan
(CRMP)**

OS Data within Control Systems

Gazetteer



Intelligent Routing



Contextual Mapping



Implemented by OS Partners and System Integrators

The OS National Geographic Database (OS NGD)

9 Themes

Structured Database designed for analysis

Current, comprehensive and richly attributed data describing Great Britain

Available to OS Partners and to PSGA members

<https://docs.os.uk/osngd>



OS NGD Address



OS NGD Administrative and Statistical Units



OS NGD Buildings



OS NGD Geographical Names



OS NGD Land



OS NGD Land Use



OS NGD Structures



OS NGD Transport



OS NGD Water

OS NGD for Fire & Rescue

NGD Address

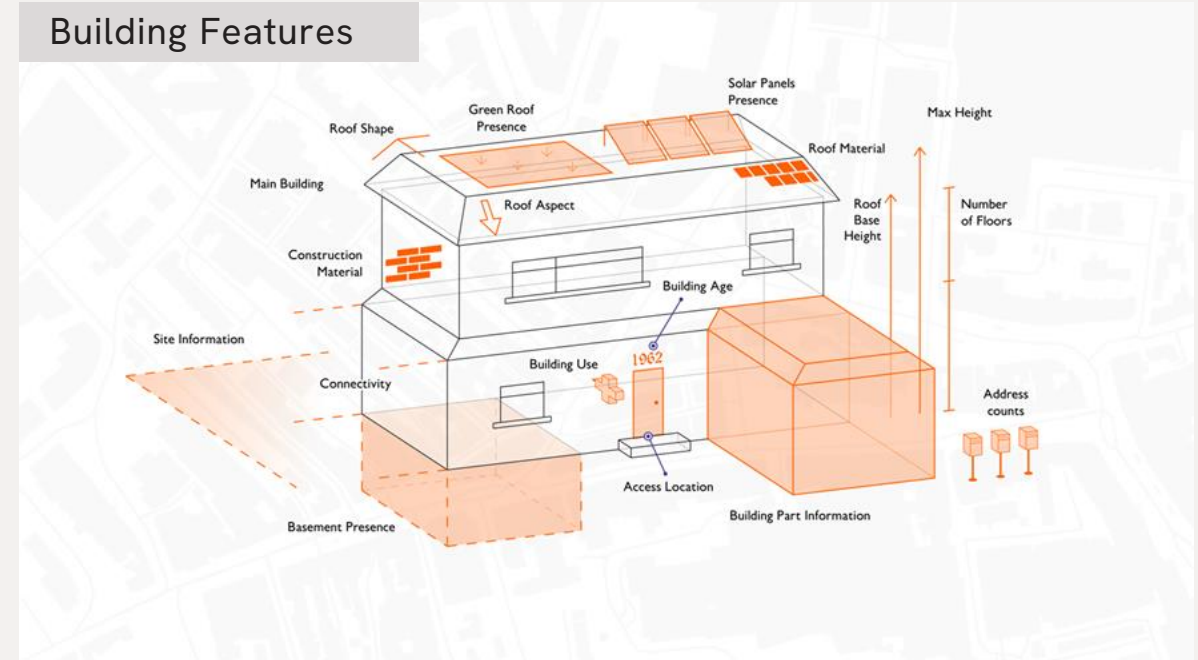


- **NGD Built Address**
Built and live local authority addresses
- **NGD Pre-build Address**
Local authority addresses that have been granted planning permission but are yet to be built or are under construction
- **NGD Street Address**
Details for any road, footpath, cycleway, byway or bridleway as identified by the local Highway Authority or Street and Numbering Authority
- **NGD Non Addressable Object**
Features that are currently live but are objects that would not be expected to be able to receive mail or deliveries
- **NGD Historic Address**
Local authority addresses that are no longer in existence



- Unique Property Reference Number (UPRN)
- Incident Location (FaRDaP)
- Risk Based Inspection Programme (alongside Buildings)
- Prevention Initiatives alongside NHS, Public Health & Local Authorities

Building Features



- Incident Planning & Situational awareness
- Policy Enforcement & Regulation
- Asset Management
- 3D Models & BIM

OS NGD for Fire & Rescue

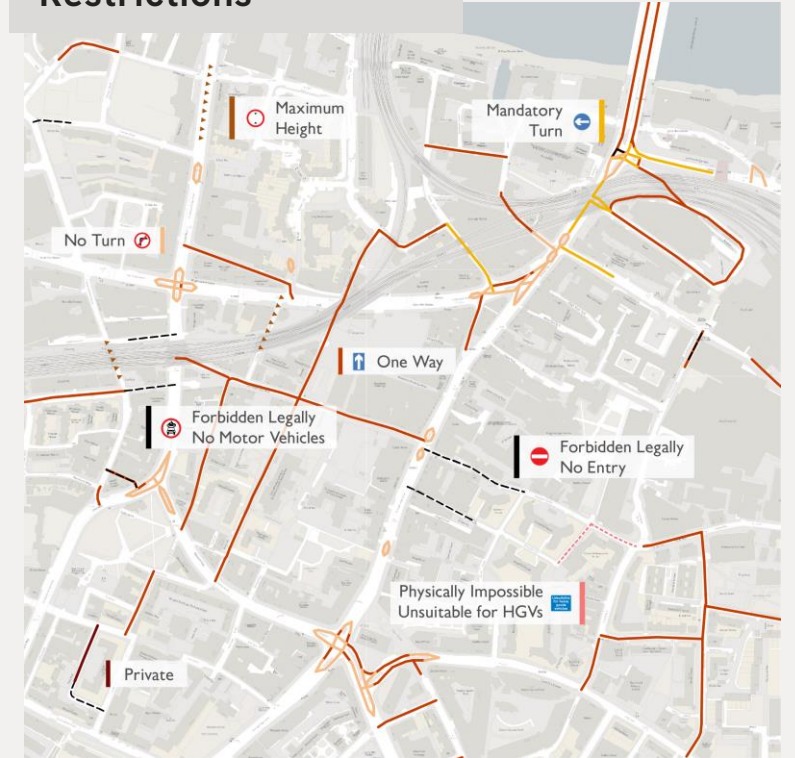
Networks



Speed Data

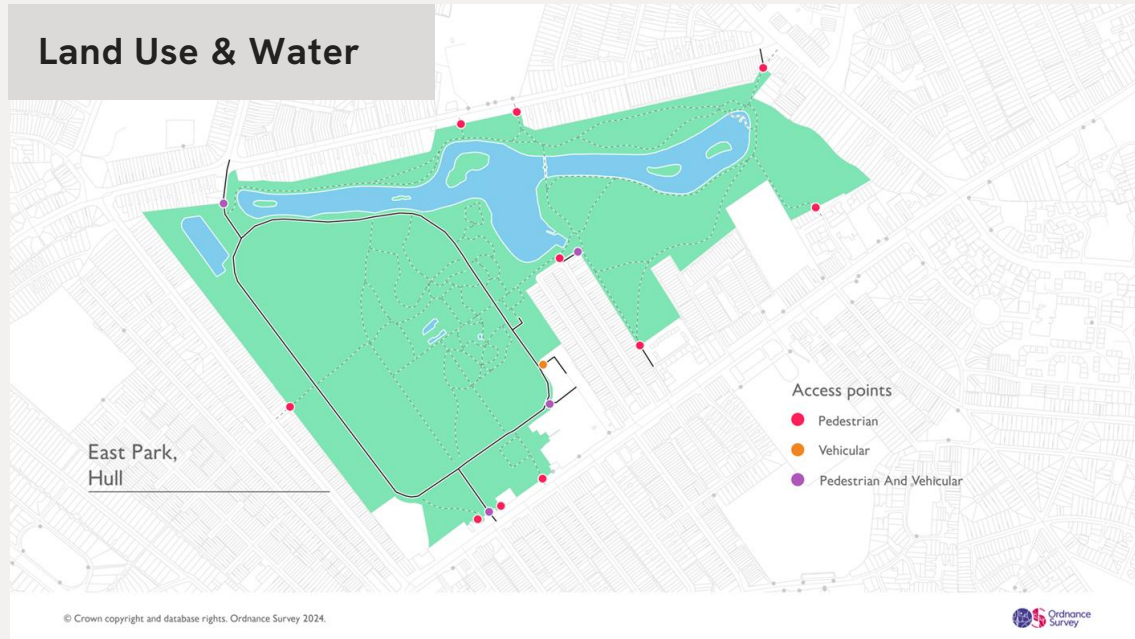


Restrictions

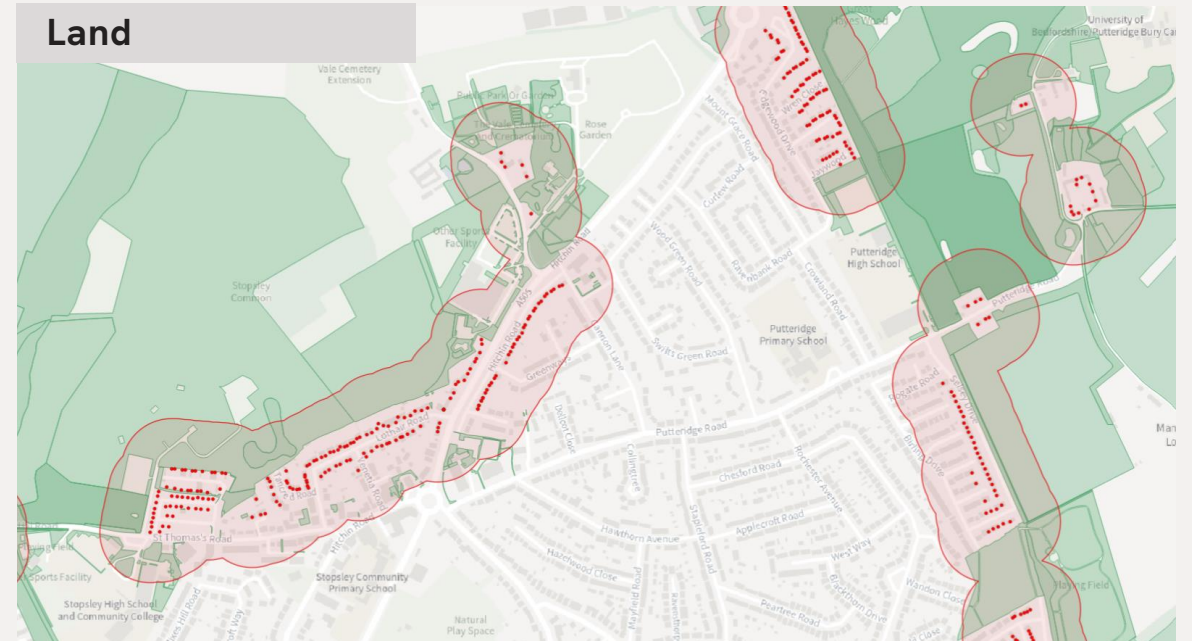


Mobilising*, Travel Time & Risk Modelling for CRMP, Dynamic Resource Cover, Service Area Creation, Journey Auditing & Recruitment Modelling. *Crucial to align GIS modelling with Control as best possible

OS NGD for Fire & Rescue



- Community Safety Water Risk
- Non-Addressable Incident trends



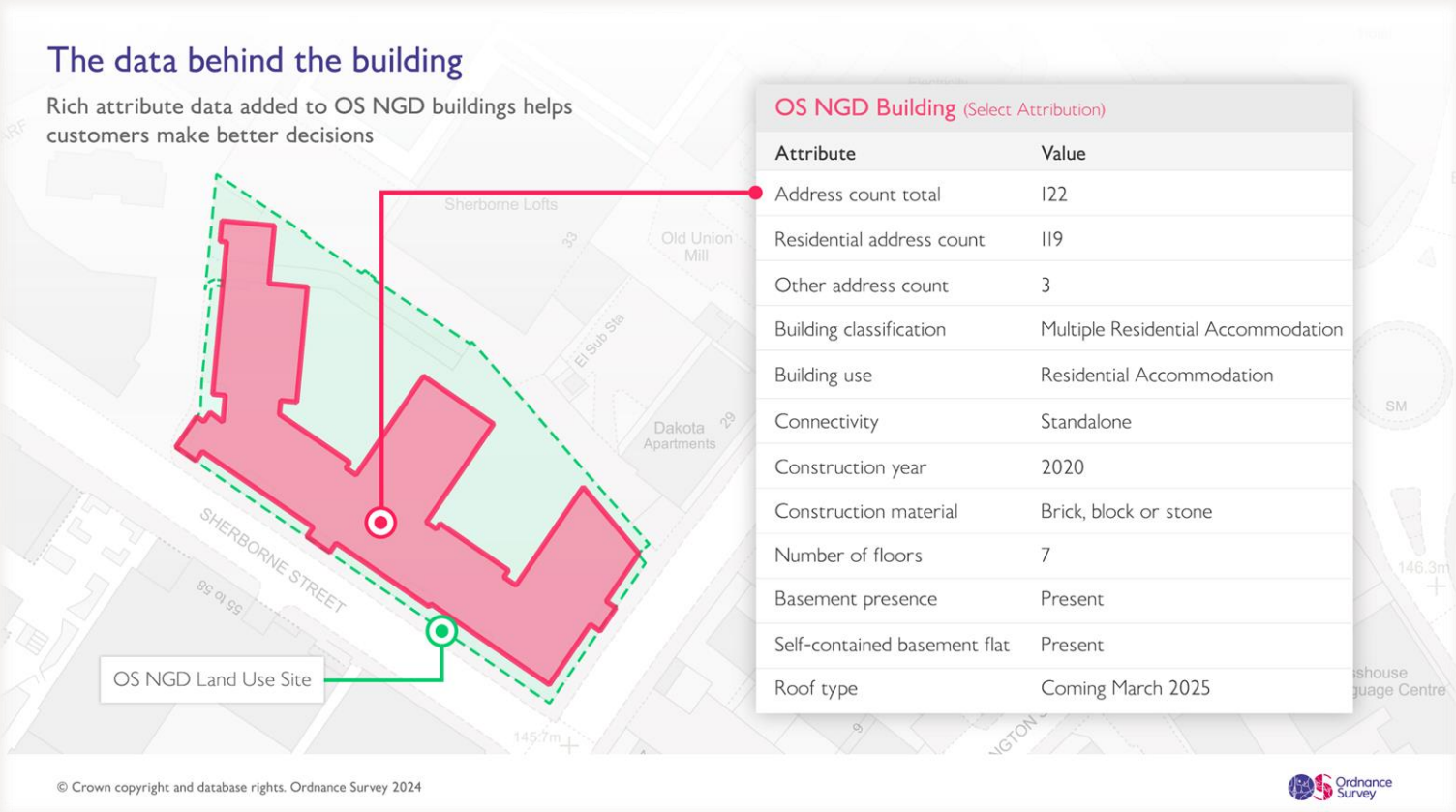
- Wildfire origin landcover classification
- Predictive Wildfire Modelling
- Risk by FRS and Nationally

Partner Scheme

Access to OS Premium Data to develop your product or solution

Dedicated Account Management and Technical Support

Requires a Replica Data Licence Fee to supply PSGA Members with solutions



Licencing

Public Sector Contractor Licence

As a PSGA member you can use the Public Sector Contractor Licence when a contractor provides works or services under a formal agreement.

This licence entitles you to pass OS data on to third parties providing you with a service or support.

Data Exploration Licence

Our Data Exploration Licence (DEL) allows you to use OS data for free for 6 months.

This licence entitles you to explore and use OS premium data to develop your ideas for free before deciding if the paid-for service is for you.



Thankyou!

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