

**IDE
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Ordnance Survey's transformation to a National Geospatial Agency

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Why does trust in geospatial information matter?





Who we are

We are **Great Britain's** national geospatial agency

- Established over 230 years ago
- Trusted source of geospatial data
- Supporting national infrastructure, public services, and innovation
- Operating globally



Government is our owner, our biggest customer, and sets UK geospatial policy

While we are set up to operate commercially, we are still fundamentally linked to government through four key mechanisms:

OS is 100% owned by the UK Government. UK Government Investments (UKGI) manages this shareholding on their behalf. The UKGI individual on the OS Board is there to represent the Secretary of State.

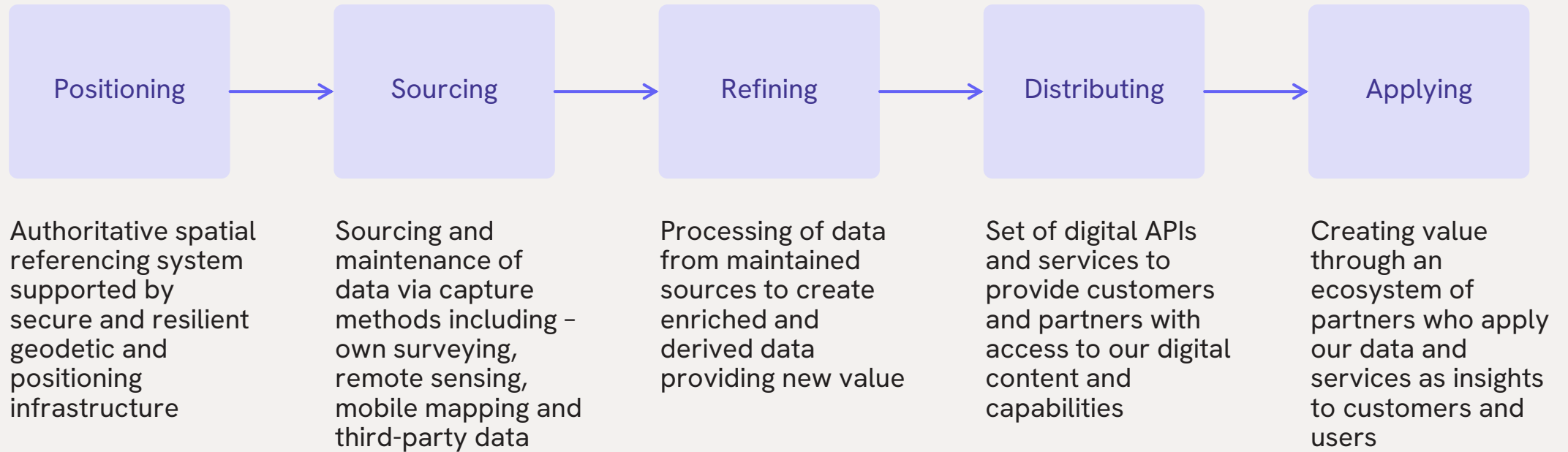
The official government policy for geospatial matters is owned by the Government Digital Service. We're a partner body of GDS and part of our job is to support the long-term success of the UK Geospatial Strategy.

The GDS set how we deliver our Public Task through the Public Sector Geospatial Agreement. The PSGA also means that government is also our largest customer, serving more than 6,000 public sector customers' geospatial data needs.

Our core data asset – the National Geographic Database - is owned by the Crown and managed through a Crown Rights Agreement with the National Archives.

OS is a government delivery body which has been tasked with operating in a commercial manner as a Government Company fulfil the role of the National Mapping Service, delivering our Public Task and such other public sector obligations as required under the Public Sector Geospatial Agreement (PSGA).

The geospatial value chain



Our data offer

OS data is structured into eight core themes that reveal how Great Britain works:

Positioning data

Highly accurate satellite positioning data using OS Net

Maps and imagery

Mapping designed to provide visual context and simple analysis

Land and terrain

Land cover, land use and elevation data

Water

Water bodies, tidelines and river networks

Buildings and infrastructure

Information about the built environment

Areas and zones

Areas used for administration and analysis

Addresses and names

Information relating to addresses, named features and places

Transport

Network data for roads, paths, trams, ferries and railways

Together, these layers provide a **360° view of the nation**, enabling powerful, joined-up insights.

The evolution of National Geographic Database



- Customers now have direct access to all the OS National Geographic Database data from a single location – the OS DataHub.
- This gives improved data structure, increased currency and improved metadata.
- Customers no longer have to download and access different products, they can simple access the data they need for their work.

The National Underground Asset Register (NUAR)

- NUAR is a government digital service, operated by Ordnance Survey.
- It provides instant access to a secure and standardised map of the underground pipes and cables in England, Wales, and Northern Ireland.
- By speeding up access to data and simplifying the previous complex process of aligning varied format and scales, it is improving the efficiency and safety of the way we install, maintain, operate, and repair our buried infrastructure.
- Data is currently available from over 390 asset owners, resulting in 3.2million kms of pipes and cables being mapped, which covers 80% of the known underground assets.
- NUAR complements and enhances existing safe dig practises.



The National Underground Asset Register

Authorised users now have instant access to a consolidated map reducing the time taken to access the data to about 60 seconds.

NUAR Provides a trusted and continuously updated national dataset ensuring that utilities, government, and contractors work with the most accurate view of underground networks.

Enhances security and protects sensitive data through strong, nationally recognised safeguards recognising the value of this asset.



Unlocking the property market



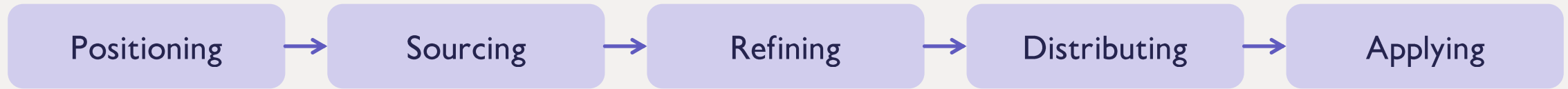
- An enhanced cooperation between HM Land Registry and Ordnance Survey to help transform the property market.
- HM Land Registry is going through a digital transformation. This includes a commitment to making property services “better, faster, less stressful”.
- Supports the government’s plan to deliver 1.5 million new homes across England, and support the regeneration of communities.

Transformation through collaboration

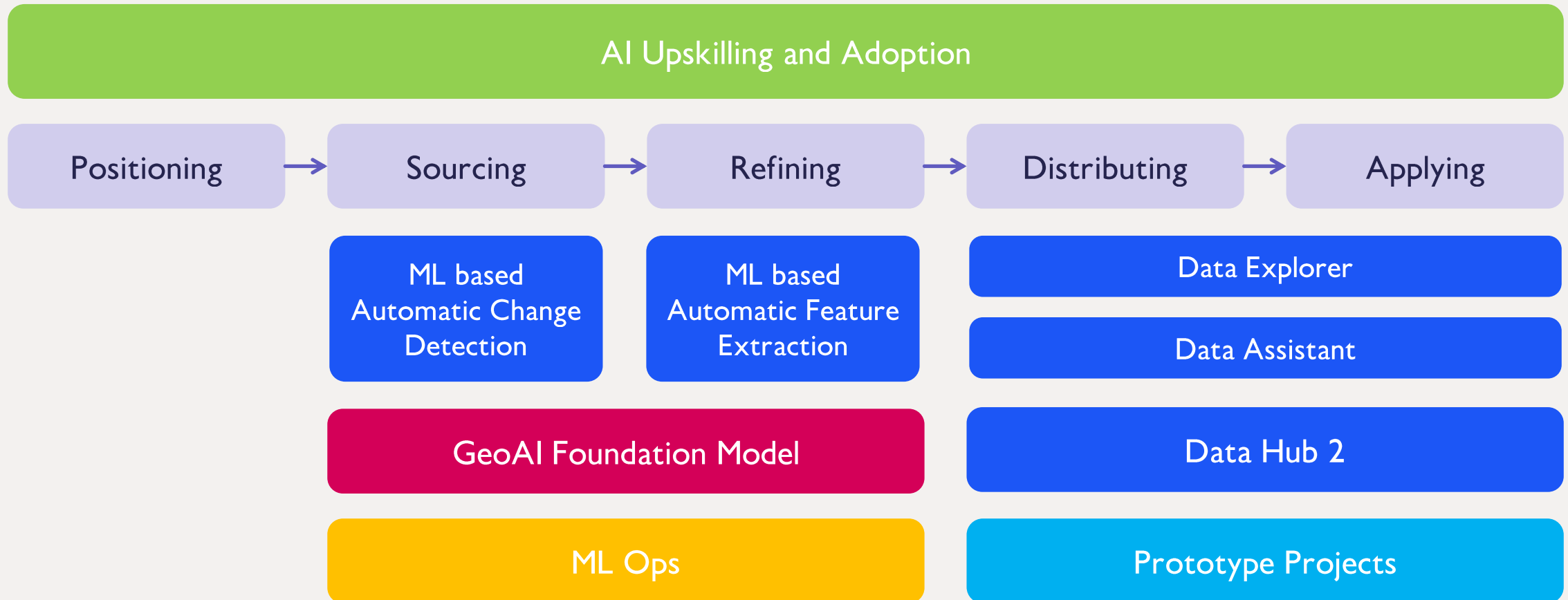


- Sharing insights and concepting: what the market needs and how OS and HMLR can best fulfil their public tasks to drive economic growth;
- Leveraging opportunities for data distribution including making best use of OS's DataHub to provide HMLR data to market; and
- Exchanging knowledge, skills and best practice in areas of shared interest such as licensing, geospatial, compliance; helping to create a consistent public sector standard for commercial models and reuse of data.

Artificial Intelligence at Ordnance Survey



Artificial Intelligence at Ordnance Survey



AI at Ordnance Survey – guiding thoughts

Responsible AI

Embed a culture of continual learning and Responsible AI practices through promoting the development and deployment of AI technologies that benefit society whilst minimizing potential harms.

Productivity

Strategically invest in and innovate our existing and emerging skills and capabilities using AI to improve OS operational productivity and efficiency in order to develop the marketplace

Customer Value

Develop innovative AI-driven/enabled services and data products to capture new market opportunities, drive customer engagement, and increase value for our customers and partners.

Revenue

Adopt AI appropriately throughout our core geospatial production/delivery pipeline in combining new and existing data holdings in order to unlock new services and data outputs which will open additional revenue streams.

Innovation in action

- Real-time property data via OS NGD
- Data fusion for better insights
- AI-enhanced feature extraction and updating
- International geospatial infrastructure for resilience and digital governance



Our future vision

We are building:



A smarter, more connected Britain	A sustainable, resilient planet	A thriving global geospatial community	Our data and platforms are the foundation for the digital ecosystems of the future	
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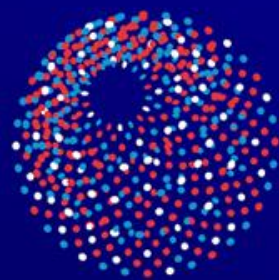
Thank you



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