

The value of geo for national & regional development

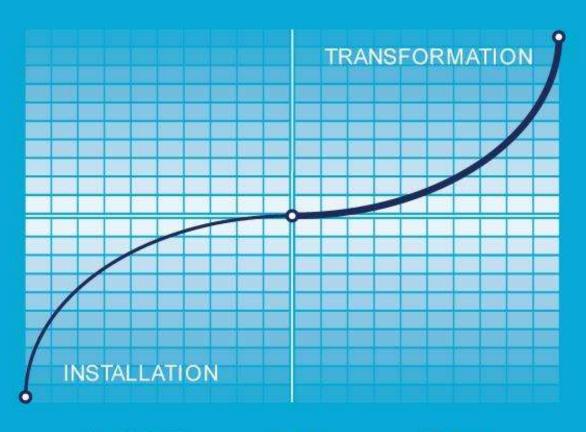
Nigel Clifford CEO, Ordnance Survey

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GENERAL PURPOSE TECHNOLOGIES





- > Foundation for innovation
- > Broad applicability
- > Transforming society







MOBILITY - BROADBAND - CLOUD





Investing in science, research and innovation

£11m raised by Geovation members 19 postgrads at 11 universities



Developing Skills

Access to OS data in education delivers a labour market wage premium of £360m



Upgrading Infrastructure

Support for HS2, COBR Resilience Direct, Digital Built Britain programme, BIM, 5G



Supporting businesses to start and grow

Over 700 Hub members 16 free data products



Improving procurement

Simplified licensing for innovators and partners New supply chains set up



Encouraging trade and inward investment

A high quality data asset makes the UK attractive eg trialling CAVs



Delivering affordable energy and clean growth

High quality addressing reduces road hours



Cultivating world-leading sectors

e.g. Satellite Applications
UAV/HAP and GNSS
infrastructure



Driving growth across the whole country

Detail, authority, consistency, and currency nationwide 'Pathfinders' in North West and South Coast



Creating the right institutions to bring together sectors and places

Replicable demonstrators in Bournemouth and Manchester



Smart people





Smart. Innovative. Inspiring. Manchester.





40,000+ FEATURES

Height and number of street-side assets and furniture, roads and markings, pedestrian crossing, traffic lights, post boxes, trees, billboards, lampposts, paving, traffic islands, parking meters, disabled spaces, permit holder spots, speed cameras, bus stops, cycle paths, advertising boards, bus and tram lanes.

8 DATA CAPTURE EXPERTS

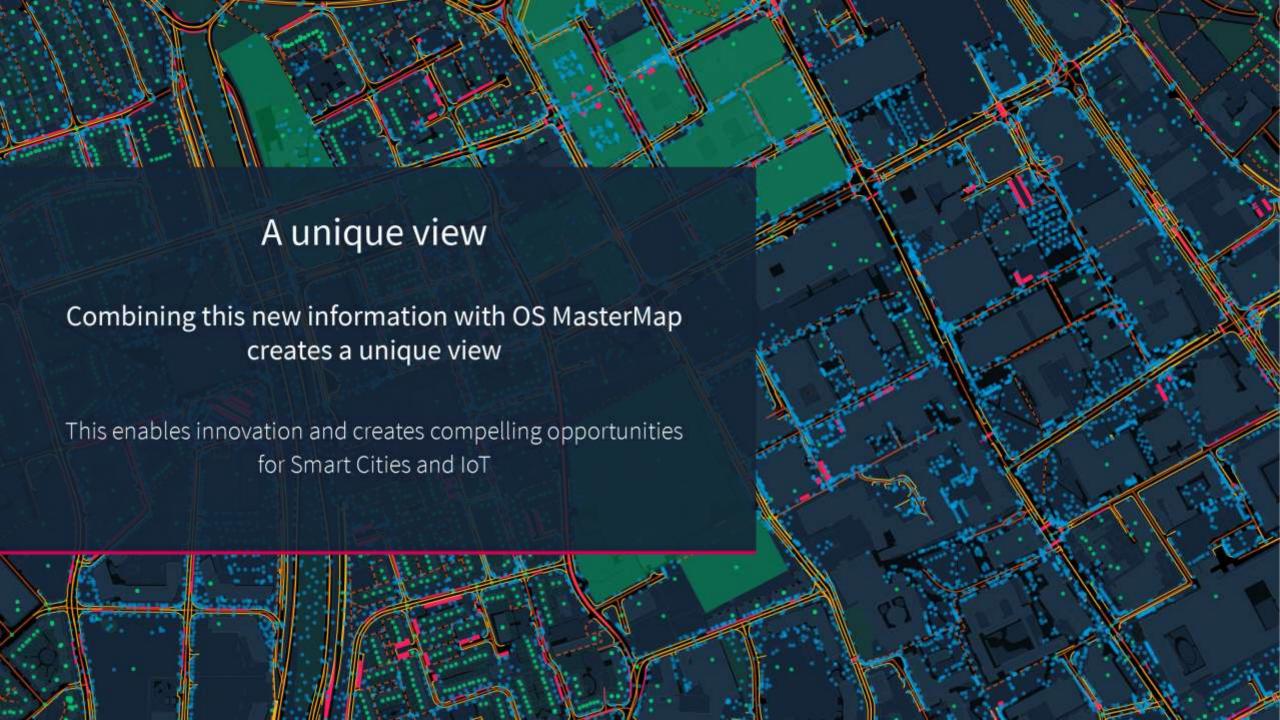
Capturing new and enhancing existing 2D and 3D data. Validating and attributing all feature data extracted from imagery. Augmenting the attribution with information that can only be determined at source.

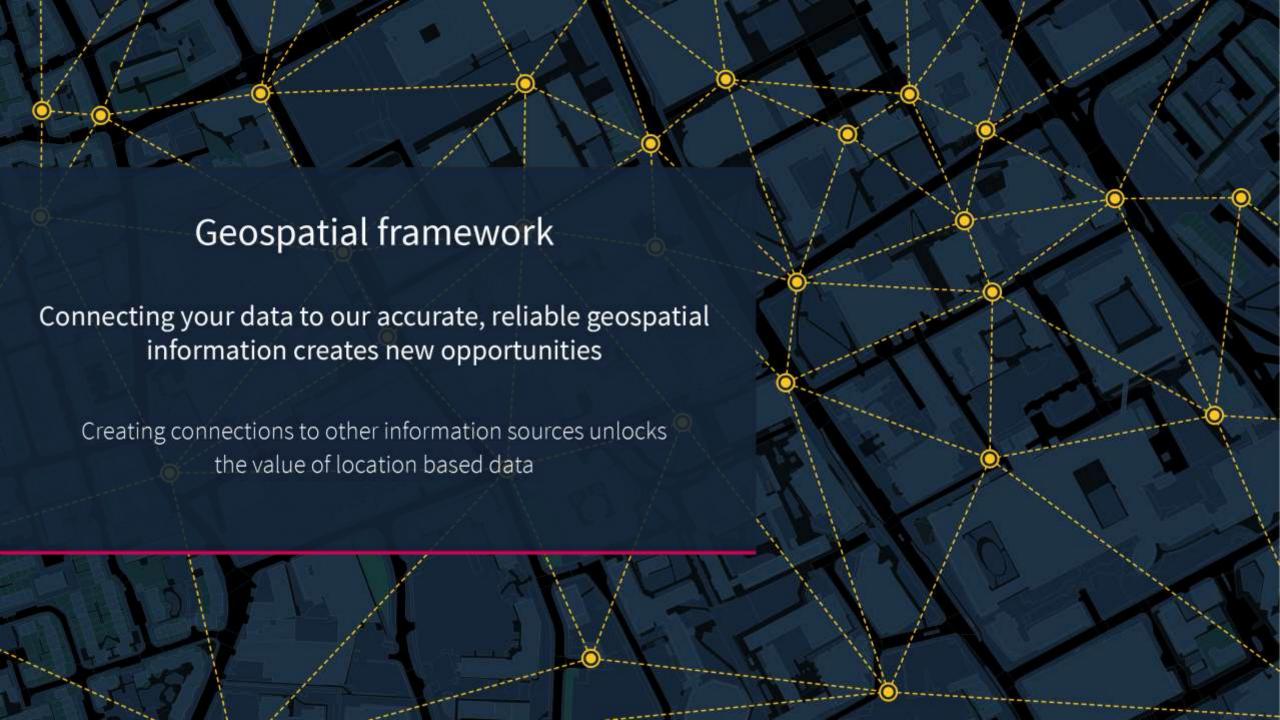
135 DAYS

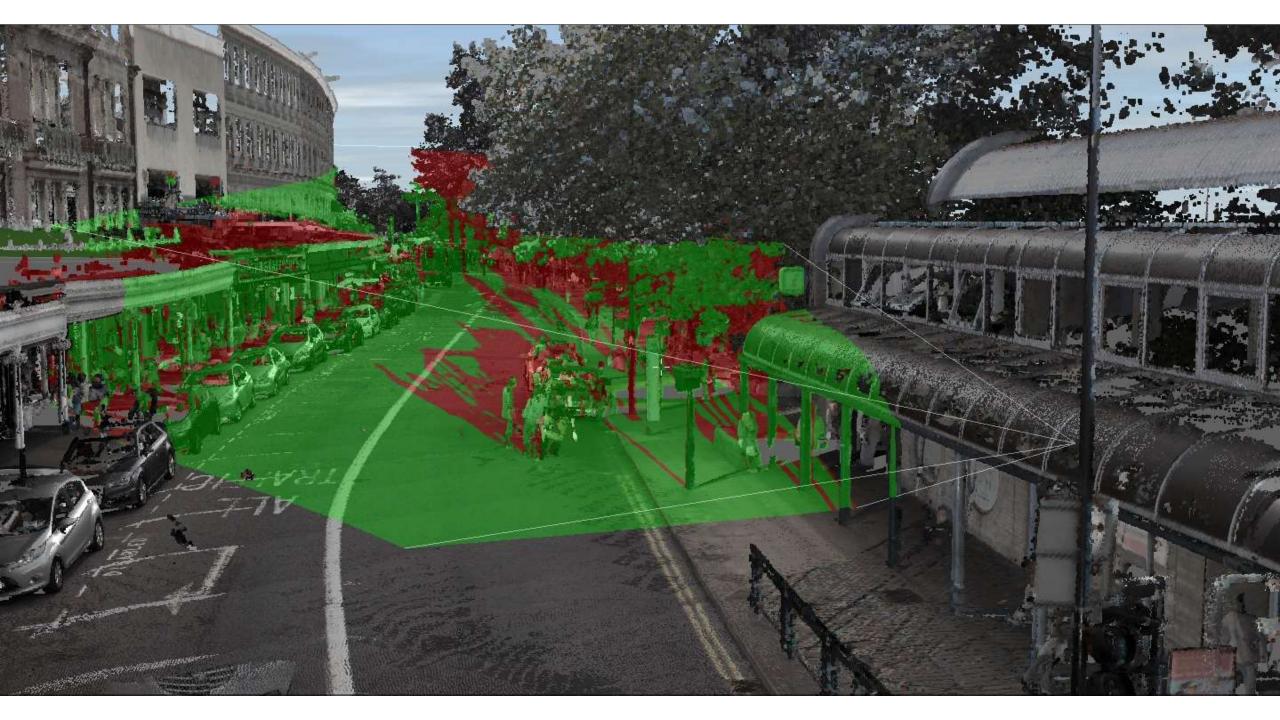
3D geospatial dataset of buildings, roads, rail, waterways, green spaces etc. and other significant urban features and their attributes.

2 REALITY CAPTURES

4cm and 12cm resolution aerial imagery capture. Photogrammetric tools used to extract a 3D textural mesh model. Imagery and point cloud data captured to support innovative VR and ground based mobile mapping.









GEOVATION

- An OS initiative in association with HM Land Registry supported by leading organisations from across the geospatial industry.
- Partners contribute a mix of cash and in-kind benefits.
- Co-located in the Urban
 Innovation Centre, alongside the
 Future Cities Catapult

Funding Partners



















Service Partners













ACHIEVEMENTS TO DATE

- Launched on 2 July 2015
- 950+ community members
- 40 company members
- Total external funding raised for Geovation members > £11M
- >80 new jobs created by Geovation companies since we

opened











"Geospatial information is General Purpose Technology"

Tera Allas, McKinsey Institute



Thanks – any questions?

