

National EV Infrastructure Planning Platform

Product Details, LOCATE EV, GB



With one million Electric Vehicles (EVs) already operational on British roads and legislative measures prohibiting the sale of new Petrol or Diesel vehicles from 2035, the rapid growth in popularity of EVs is set to continue. The effective deployment of the requisite infrastructure, in optimal locations is challenging. The complex nature of Britain's towns and cities coupled with resource constraints among stakeholders, exacerbates the complexity of the task.

Bringing together multiple critical datasets, including proprietary intelligence, and intuitive functionality, Geospatial Insight has developed LOCATE EV, a ground-breaking, cloud-based platform specifically designed to facilitate Electric Vehicle Chargepoint (EVCP) network planning across Britain. By digitalizing the most manually intensive elements of the site survey and verification process, LOCATE EV enables infrastructure stakeholders to rapidly model and test EVCP deployment scenarios.

FEATURES

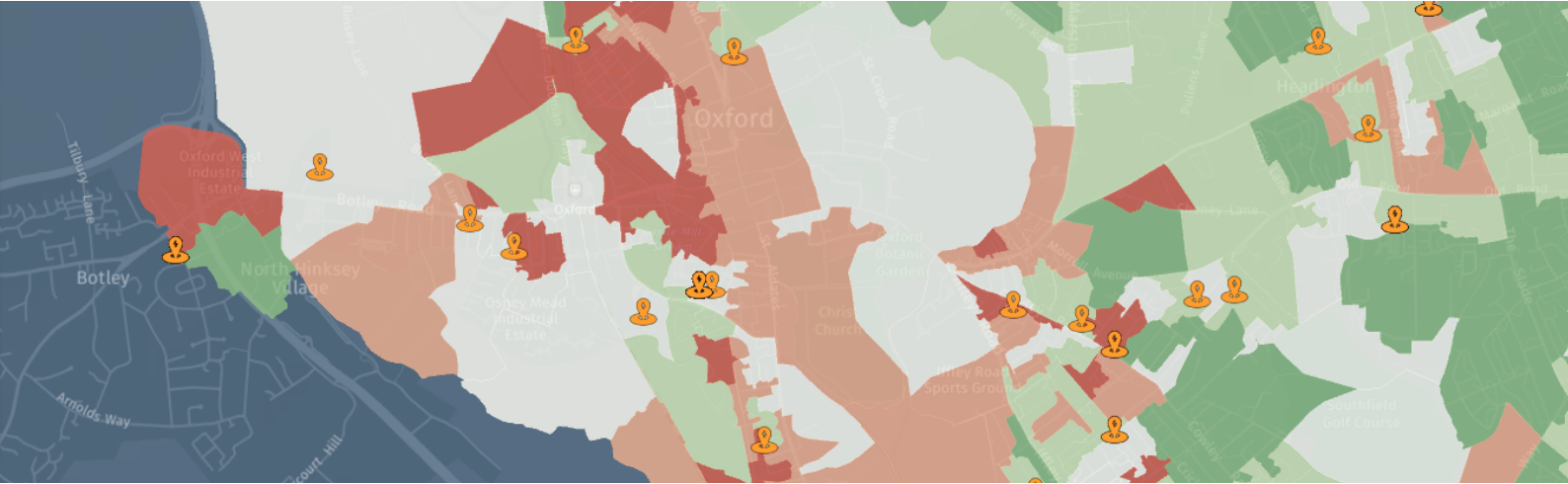
- National Coverage across GB
- Integrated Satellite and Street Level Imagery
- Create Virtual Charging Networks
- Easy Identification of High Demand Regions
- Multiple Contextual Layers (Power Networks, Existing Infrastructure, Demographics)

BENEFITS

- Reduce Surveying Costs
- Accelerate Intelligence Gathering
- Improve Understanding of Asset Potential
- Reduce Deployment Risks
- Rapidly Prioritise Investments

APPLICATIONS

- On-Street Residential Chargepoint Planning
- Destination Chargepoint Planning
- Strategic Net Zero Planning
- Business Development and Marketing
- Equitable EV Transition Modelling



Technical Specification, LOCATE EV, GB

LOCATE EV is a user-friendly cloud-based platform built on core architecture developed by global geospatial specialists Hexagon and delivered by Geospatial Insight. The LOCATE EV platform brings together numerous datasets critical for the rapid and effective planning of EVCP deployment. LOCATE EV allows stakeholders to create virtual charging networks to identify the most beneficial locations based on potential user demand and accessibility.

By helping to reduce deployment risks and rapidly prioritise investments, LOCATE EV enables stakeholders to accelerate the transition to E-Mobility. The datasets, alongside the platform's intuitive interface and suite of easy-to-use filters tools, enable EV infrastructure stakeholders to easily understand current and future demand, and model the impact of installations across complex urban landscapes.

LOCATE EV is available in two distinct Tiers. Tier 1 provides a number of carefully collated and conflated Open Data sources, alongside a suite of tools to enable EV chargepoint deployment planning to a neighbourhood or street level. Tier 2 incorporates additional proprietary data including individual property driveway availability and mobile connectivity layers, as well more detailed tools to facilitate deployment planning to an individual property or specific location level.

DATA LAYERS

- Existing EVCP Locations
- UK Census Data
- Conservation and Risk Status
- Power Infrastructure and Constraints
- Clean Air Zones and ULEZs
- Individual Property Driveway Probability Data

PARTNER DATA

- Traffic Regulation Orders (TRO) – AppyWay
- High-Resolution Aerial Photography – Bluesky
- National Tree Map® - Bluesky
- Enhanced EVCP Intelligence – ZapMap
- Socio-Demographic data - Outra

At the time of publication all of the specifications were correct but are subject to change.