LOCATE EV -
THE CONCEPT

Geospatial Insight's LOCATE EV platform brings together critical datasets and intuitive functionality to facilitate EV chargepoint network planning across complex areas.

By digitalising the most manually intensive elements of the site survey and verification process, LOCATE EV enables EV infrastructure stakeholders to benefit from a range of functionality.

GEOSPATIAL
INSIGHT

Sustainability

KEY FUNCTIONALITY

- Determine current and future demand for charging infrastructure
- Assess and validate potential deployment locations from the desktop
- Identify constraints to deployment, both situationally and power based
- Build a virtual charging network online to test multi-technology approaches
- Consider demographic characteristics and their impact on roll-out strategy

GEOSPATIAL INSIGHT

Sustainability

FEATURES

GEOSPATIAL INSIGHT

Sustainability

Integrated Google Streetview for additional street level intelligence

Aesthetic map-based interface with multiple backdrops, including satellite imagery and detailed mapping

Plan a virtual charging network to calculate volume of infrastructure needed and potential service areas

Multiple layers for visualisation & contextualisation, including power network data

Intuitive filtering for rapid modelling and insight generation

Export results and reports

Search location by address, postcode etc.

View and analyse Local Authority areas across Great Britain

Understand existing chargepoint locations and types

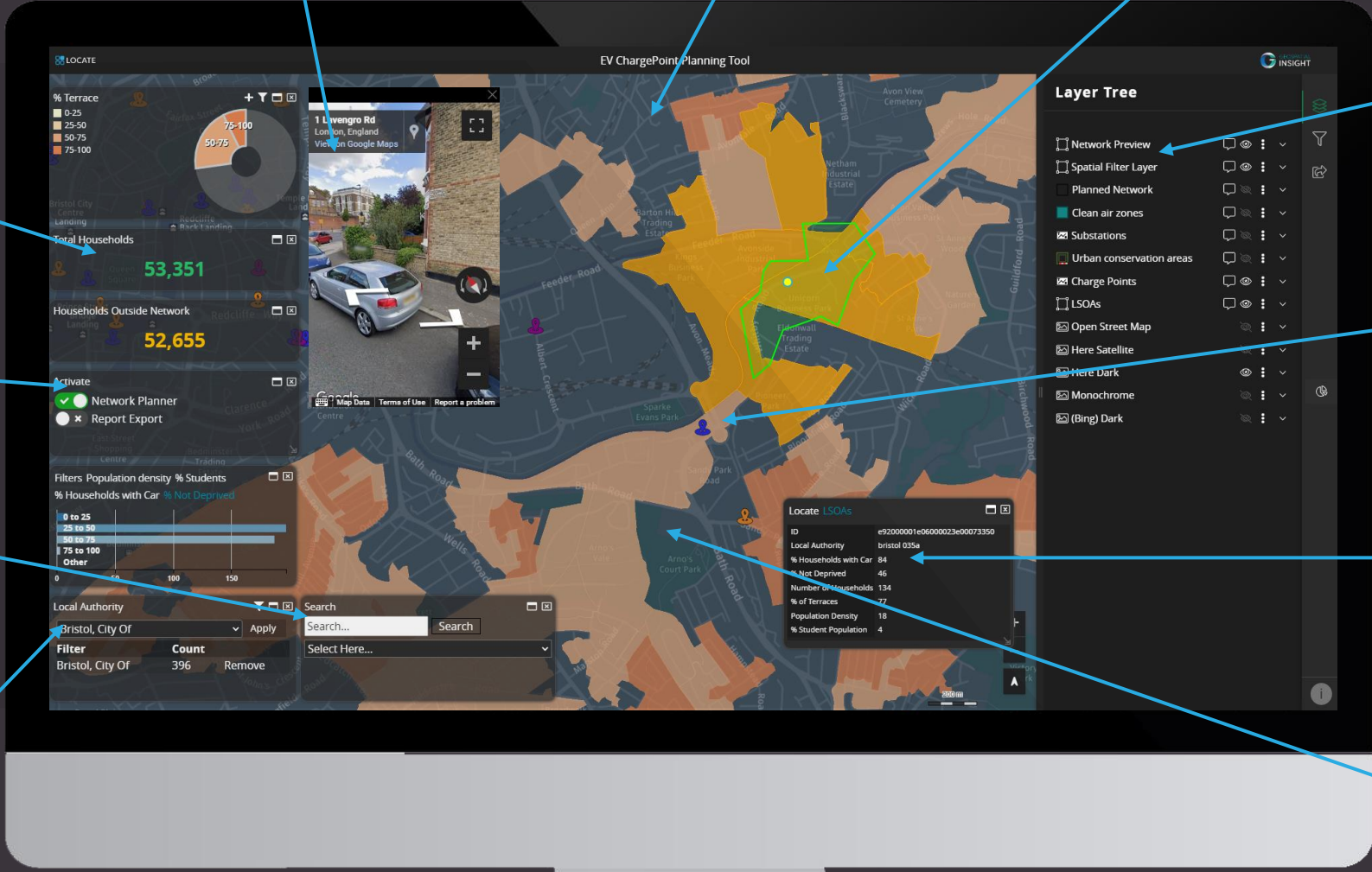Interactive on-screen content and granular neighbourhood level intelligence

Instant on-screen results from user performed analysis

BENEFITS

o Fully web-based solution means no third party software or associated maintenance is required

o No in-house software or data hosting and management needed

o Reduced surveying costs, more efficient and effective field surveys

o Accelerated intelligence gathering across complex, city-scale areas

o 'All-in-one' solution removes user need to utilise multiple inputs for decision making

o Test locations virtually before physical deployment, minimising stranded assets

o Delivers the evidence base needed to access ORCS and/or LEVI funding

PROOF

Geospatial Insight's LOCATE EV platform is being used by some of the EV industry's leading stakeholders to plan future charging networks across the UK's complex urban and rural landscapes.

By facilitating a data driven approach to EV chargepoint deployment and network planning, LOCATE utilisation has directly enabled: -

o Novel technology deployment – such as cable gullies and retractable bollards – in Oxfordshire
o Installation of off-street charging hubs in Greater Manchester
o 10x return on LOCATE investment through Government funding for East Lothian
o A complete evidence base enabling the Isle of Wight to apply for LEVI funding

LOCATE EV

GEOSPATIAL INSIGHT

Sustainability

Tier 1	Tier 2	Bespoke
Demographics (UK Census Data)	**Tier 1 plus:**	**Mix and Match Tier 1 and 2 optional extras:**
National Chargepoint Registry (Existing EVCP Locations)	Individual Property Driveway Probability Data	Land Registry Data
UK Grid Constraints	Number of Addresses per Property	Ultra-High Resolution Aerial Photography
Clean Air Zones and Air Quality Management Areas	4G/ 5G Coverage	Enhanced Demographics (CACI, OUTRA, IMG)
UK Conservation Data (National Parks, AONB, Urban Conservation)	Enhanced EVCP Location Data (ZapMap)	Individual Property Rooftop Solar Suitability Data
Virtual Chargepoint Network Planning	DfT Road Traffic Statistics (AADF)	Ad hoc Analysis (e.g., Footway Widths)
Data Filtering, Reporting, and Exporting		
Multiple Base Mapping Layers (inc. Satellite Imagery)		

POINT OF CONTACT

Harry Bogiatjis

Geospatial Consultant

M: +44 (0)7972 593637

E: Harry.Bogiatjis@geospatial-insight.com

W: geospatial-insight.com

GEOSPATIAL INSIGHT

Sustainability

POINT OF CONTACT

Ian Dee

Climate Applications Lead

M: +44 (0)7443 530513

E: Ian.Dee@geospatial-insight.com

W: geospatial-insight.com

GEOSPATIAL INSIGHT

Sustainability