

Housemark Data & Performance Club

Visualisations to Insights – Developing GIS at L&Q

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The logo for L&Q, consisting of the letters 'L' and 'Q' in a stylized, bold, yellow font, positioned on a dark blue rectangular background.

Who is L&Q ?

Social Housing Provider for almost 60 years

We house around 250,000 people in more than 105,000 homes

Operating across London, Southeast and Northwest of England (Manchester area)

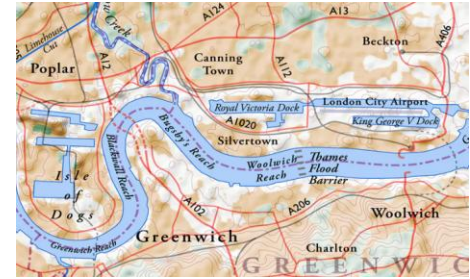
Future Shape Strategy to ensure we can deliver reliable, repeatable services for our residents

Future shape

Our five year corporate strategy

Key milestones

- 2022 – Launched Cadcorp Webmap
- 2023 – Internal consultation with Stakeholders
- 2024 – Merger with Trafford Housing Trust
 - Team growth
 - Move from visualisation to analytics
- 2025 – Upgrading to Cadcorp Webmap 9.1



Spatial Analytics for Investment Planning

A glowing lightbulb hanging from a string against a dark, blurred background. The lightbulb is the central focus, emitting a warm glow that illuminates the surrounding area. The background is out of focus, showing what appears to be a wooden structure or a similar textured surface.

Objectives of the Case Study – 2024/2025

1. To evidence how spatial analytics could add value to the current process

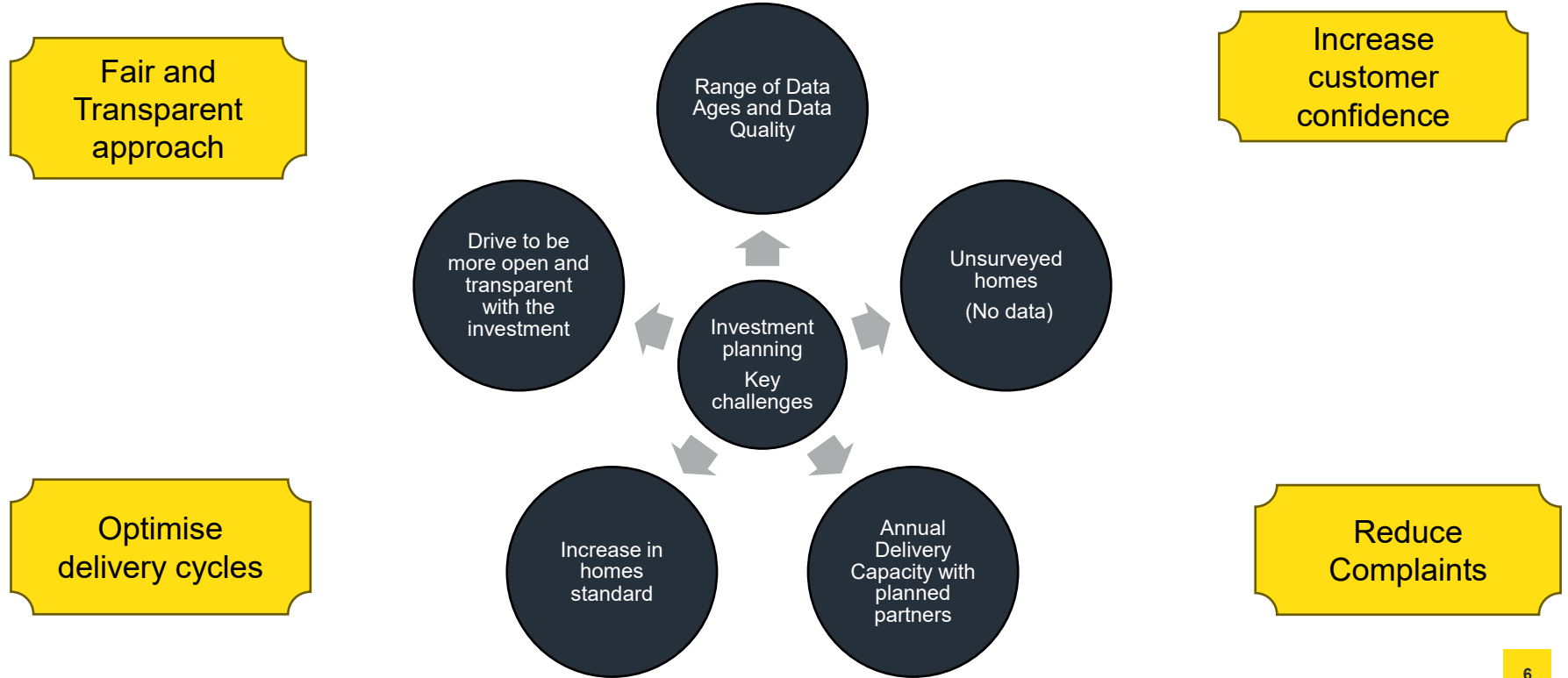
- a. The development of a series of proof-of-concept maps and analysis
- b. The development of the required skills within the existing team
- c. The development of the methodology to convert the vision into deliverable outputs
- d. Partnership working with the Investment Planning team



2. To evidence why L&Q should further invest in its GIS Team.

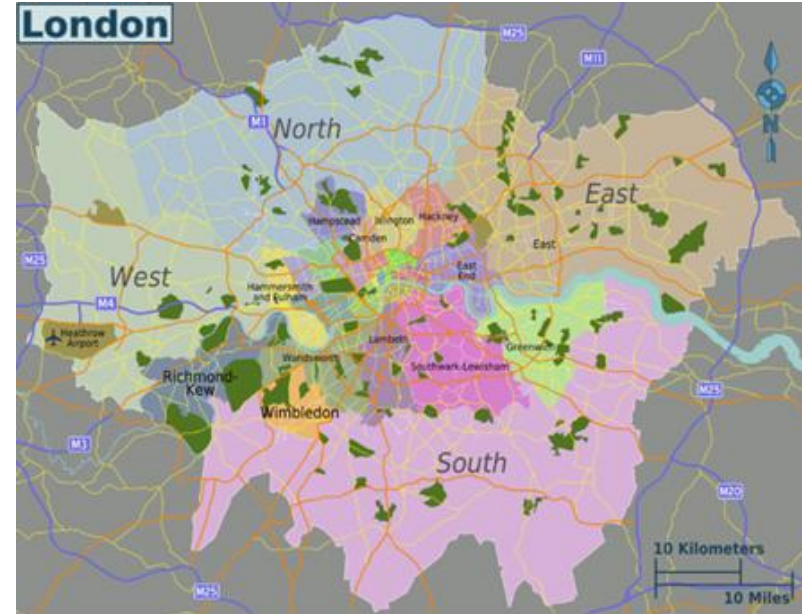
- a. Through the assessment of the resource requirements and the technical capabilities of our current software.
- b. Through the production of a 3-year GIS Strategy, which further outlines the potential and the delivery roadmap

Challenges and Potential Benefits



Identifying the areas in most urgent need of Cyclical Decorations

1. The longest period since the last time cyclical decs were completed on the property
(Completed Works Data)
2. The shortest deadline for when the cyclical decs were next due **(Stock Condition Data)**
3. The age of the survey data
(More recent survey = More reliable data)

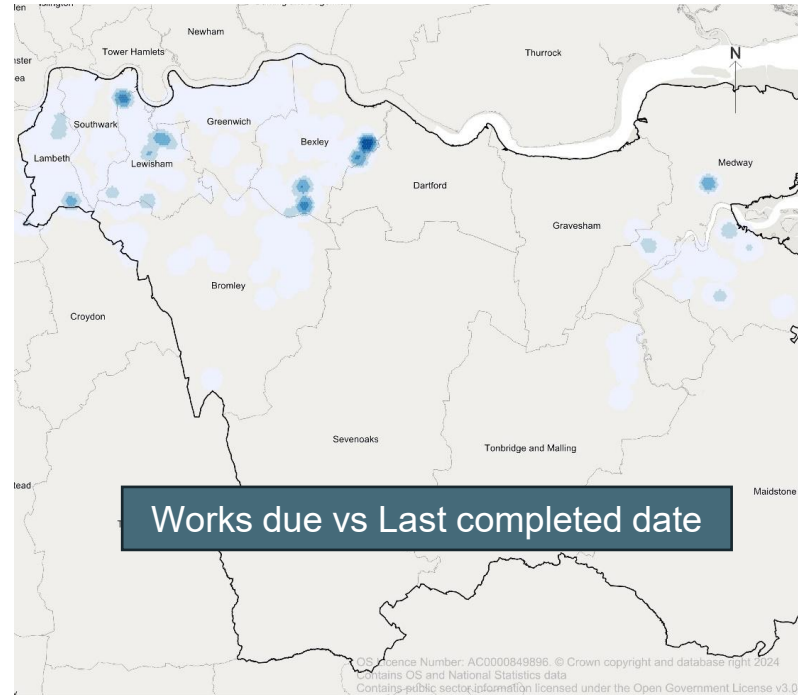
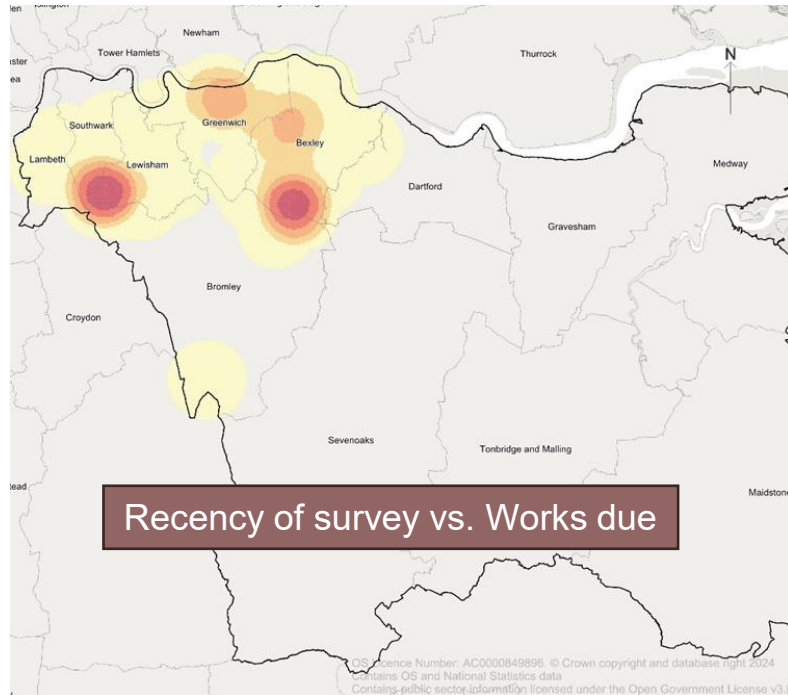


Case Study Methodology

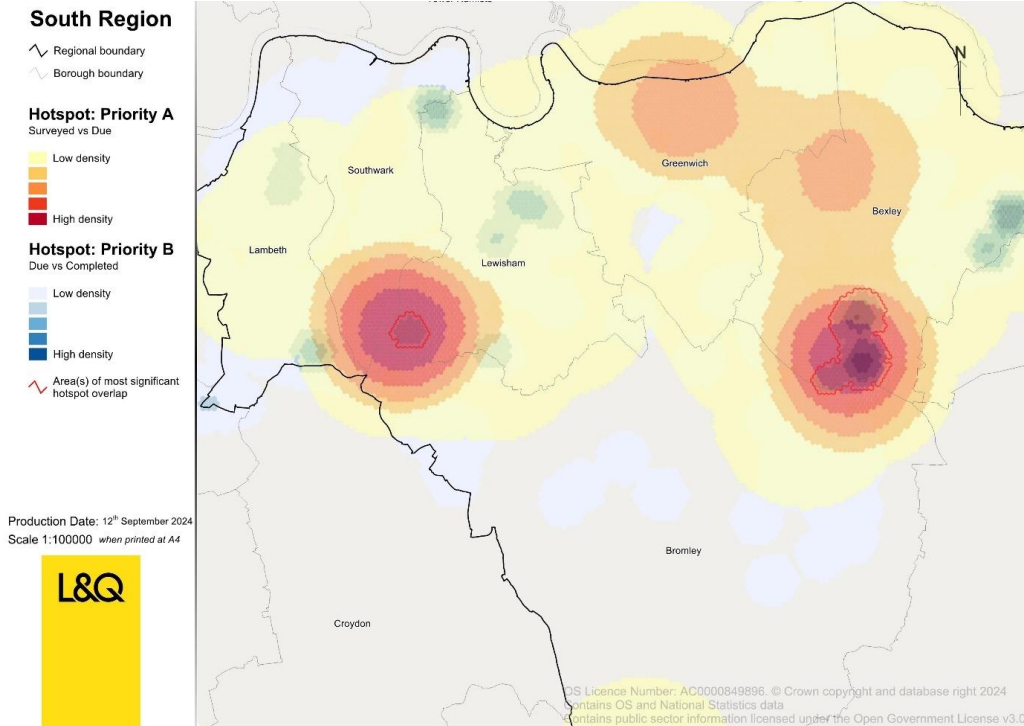
Table 1: Priority A - Surveyed vs Due priority level				
	Due in 24/25	Due 2-5 years'	Due 5 years +	Unknown Due
Surveyed in last year (23/24)	Priority 1	Priority 2	Priority 3	n/a*
Surveyed in last 2 to 5 years	Priority 2	Priority 3	Priority 4	n/a*
Surveyed more than 5 years ago	Priority 3	Priority 4	Priority 4	n/a*
No survey data	Priority 2	Priority 3	Priority 4	n/a*

Table 2: Priority B - Due vs Completed priority level				
	Due in 24/25	Due 2-5 years'	Due 5 years +	Unknown Due
Completed more than 5 years ago	Priority 1	Priority 2	Priority 3	Priority 4
Completed in last 2 to 5 years	Priority 2	Priority 3	Priority 4	Priority 4
Completed in last year (23/24)	n/a*	Priority 4	Priority 4	Priority 4
Unknown when last completed	Priority 1	Priority 2	Priority 3	n/a*

Maps 1 & 2: South Region – Hotspot Priority A & B



Map 3 – South Region – Overlaid Hotspots

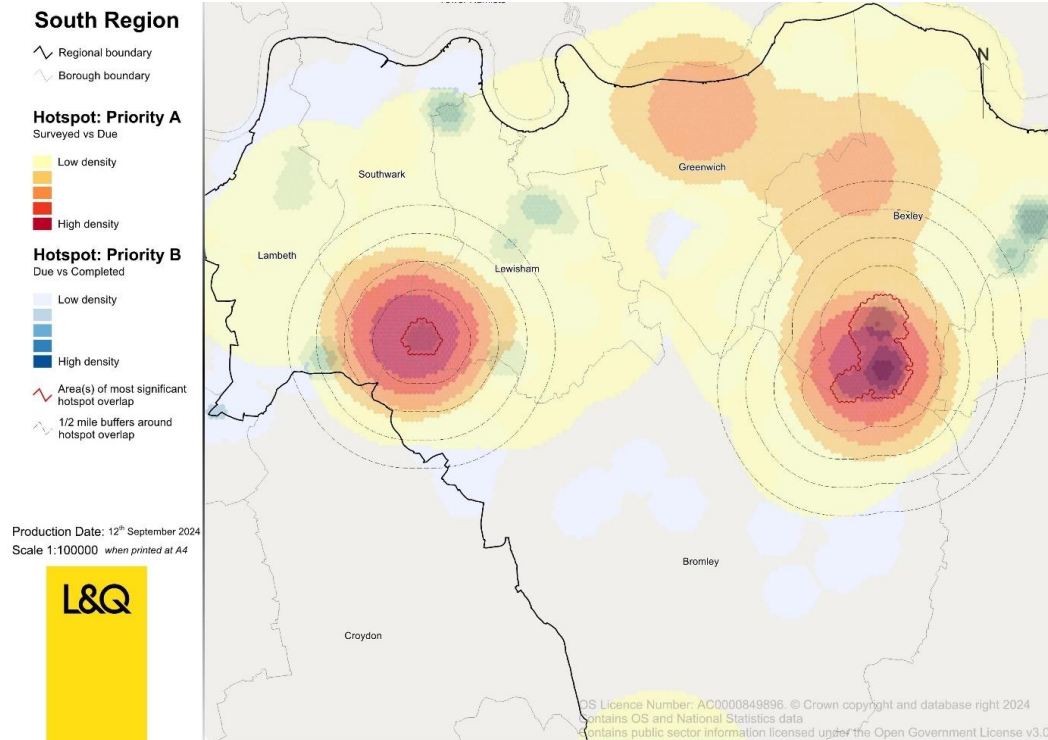


Recency of survey vs. Works due

and

Works due vs Last completed date

Map 4: South region – 2 Mile Buffer Zone



Recency of survey vs. Works due

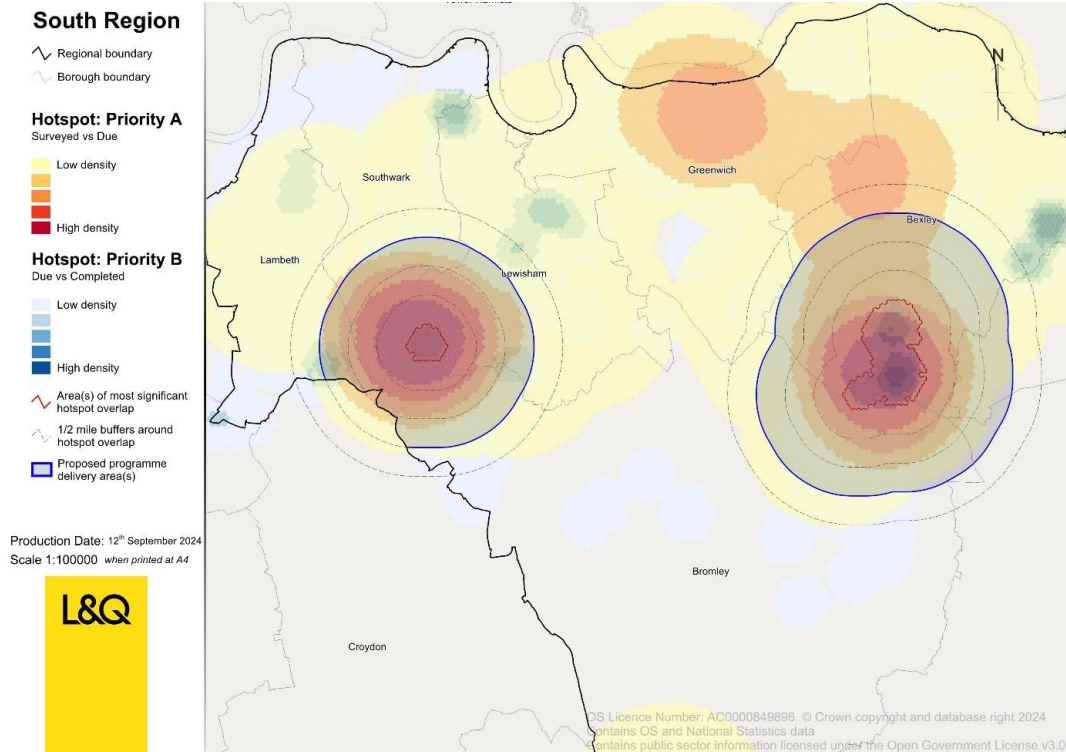
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Works due vs Last completed date

and

2 mile buffer zone

Map 5 – South region - Final proposed programme areas, Year 1



Recency of survey vs. Works due

and

Works due vs Last completed date

and

1.5 mile buffer zone

Benefits of using Spatial Analysis for Investment Planning

For the organisation

Combine
multiple data
sets

Visual

Work
spatially

Analyse data
at scale

Capacity to
expand

Data-driven
decision
making

Creates
efficiencies

Catalyst for
change

Benefits of using Spatial Analysis for Investment Planning

For our residents

Value for
money

Fair and
transparent

Less
disruptive

Thank you

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L&Q