

GIS

Client Prospectus

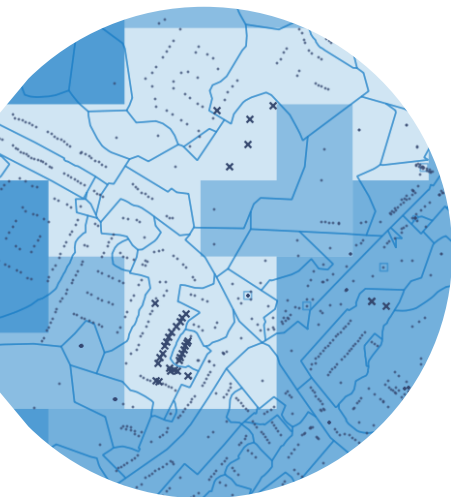
The use of Geographic Information System (GIS) in data management, geospatial analysis and data visualisations are increasingly used across the public sector to help inform Local Authority decision making and facilitate procurement of funding opportunities.

Our GIS capabilities at CJFA aim to provide clients with data support across project lifecycles; from discovery stage mapping/analysis to equip project leads with all relevant data and best inform project scopes, to project delivery where regular data updates can guide progress reporting and aid communication between stakeholders and project leads.



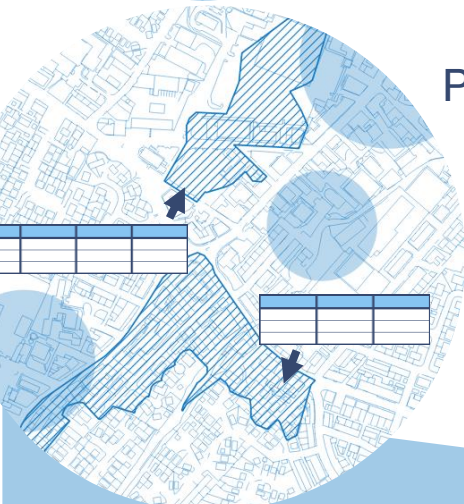
Digital and Placemaking asset mapping

- Key to locating and visualising physical infrastructure such as utilities and street furniture across a site of interest, mapping/data analysis to help inform project scopes.
- Transforming any hard-copy documents (scans, PDFs, JPEGs) into editable digital layers of site amenities, visualising architectural plans in situ as overlays.
- Informative maps/plans to aid in-person data collection and preliminary surveying



Connectivity reporting

- Geospatial analysis of connectivity and coverage mapping at premises, postcode, and borough-wide scales, with comparisons to national and regional averages. Provides tailored analysis and breakdown of the digital ecosystem of a particular area, to address project/client objectives regarding national digital challenges, such as digital inclusion, gigabit rollout, and PSTN switch-off.
- Depicting current market trends based on available online data, such as Ofcom's Connected Nations fixed and mobile coverage estimates, and BDUK's Open Market Review (OMR) Gigabit status data, with the aim of creating baseline mapping/datasets of connectivity progress and changes over time in specified project areas.



Planning

- Digitising development area boundaries to form a digital mastermapping tool, an overlay to asset and connectivity base-layers, to combine and better understand all attributes of an area extent and streamline data management by storing all datafiles in one overall map system.
- Visual project timeline mapping (start/end dates, duration, extent) to discover overlaps in maintenance/development areas and highlight priority disruption areas for clash-reports

GIS helps to underpin current projects we are involved in, such as DIG Once and 5G Innovation Region developments, providing creative solutions in an integrated and specialist way to support clients with emerging sustainability, regeneration and economic growth ventures.

Data processing

- Transforming existing asset data from spreadsheet or AutoCAD file types (DXF, DWG) into Shapefiles, Geopackage, or KMZ format – creating accessible datafiles compatible across all GIS programmes to ease communication between project members and bidders/stakeholders.
- Cleaning-up and converting raw data within Excel and QGIS, geoprocessing layers to extract specified information, combine/overlay datasets, calculate summary statistics, and create data tables or infographics for reports.
- Creating resources for customer engagement and client evaluations, such as mapping survey feedback to locate positive/negative responses to a project proposal, transforming qualitative data into visual analysis to guide steps forward.



Data resources

- Using clean, open-access and reliable data sources only (Office of National Statistics, Ordnance Survey, Natural England, Gov.uk etc).
- Data descriptions and summarised methodologies given where necessary, to provide context as to why certain resources were used or what steps were taken to process the data, eg/ Ofcom data used to create a baseline for starting conversations on connectivity at a site of interest, not claiming as *actual* connectivity.
- Keeping up to date with latest market research/data updates to use the most recently published resources, combined with use of backdated reports to illustrate changes over time at postcode, ward, or borough level.



All externally sourced data resources are copyrighted appropriately, CJFA are licenced partners with OS and work created on behalf of public sector clients is also covered under the PSGA.

We have a transparent, collaborative data sharing and engagement with client GIS leads and project members, also able to provide additional support to existing client GIS teams.

Any storage/processing of client datafiles are strictly internal use only unless specified otherwise within a data sharing agreement.



CJFOUNDS
associates