A picture containing clipart

Description automatically generated

|  |  |
| --- | --- |
| Job Title: | **GIS Technician** |
| Department: | Planning |
| Location: | Daresbury |

**About ITS**

We exist to ensure the UK has the best full fibre networks, to provide the best gigabit capable connectivity and broadband to UK businesses through our growing partner community. This enables opportunity, progress, exploration, creativity, innovation, and commerce. Rapidly advancing technology means there’s never been a more exciting time; for you, for business, and for the future.

**Role Headlines**

A GIS Technician supports the collection, creation, management, and analysis of geographic data to assist in mapping and spatial data projects. The role involves working with GIS software, databases, and various tools to ensure the accuracy and efficiency of spatial information systems. GIS Technicians are integral to organisations that require geospatial insights for planning, decision-making, and operational processes.

**Key Responsibilities**

1.Data Collection and Input:

* Collect and compile geographic data from a variety of sources, including field surveys, satellite imagery, aerial photography, and existing databases.
* Digitise and georeferenced maps and other spatial data for integration into GIS systems.
* UPRN data collection and analysis.
* As-Built Production and Mapping activities.

2. Data Management:

* Maintain and update GIS databases, ensuring data accuracy and completeness.
* Organise and document metadata to enhance data traceability.

3. Spatial Analysis and Mapping:

* Perform spatial analyses, such as proximity studies, overlay analysis, and network analysis.
* Create maps, charts, and other visualisations using GIS tools for presentations, reports, or operational purposes.

4. Software and Tool Usage:

* Utilise GIS software such as QGIS, APX & Google Earth to process and analyse data.

5. Problem Solving and Reporting:

* Identify and resolve technical issues related to GIS data or tools.
* Generate reports and provide insights based on spatial data analyses.
* Mapping functions to support HLD & Costings with Planning team.

6. Collaboration and Support:

* Collaborate with teams such as Planning, Sales, Business Intelligence and project managers to provide geospatial solutions.
* Train and support colleagues or clients in the use of GIS applications and tools.

**About You**

**Experience & Knowledge**

* Prior experience in GIS mapping, data management, or related projects is preferred.
* Experience in specific industries (e.g., urban planning, utilities, natural resources) may be beneficial.

**Skills/Abilities & Relevant Competencies**

* Proficiency in GIS software (e.g., ArcGIS, QGIS).
* Familiarity with spatial databases (e.g., PostgreSQL/PostGIS, SQL).
* Experience with scripting or programming (e.g., Python, R) for GIS tasks is an advantage.
* Strong analytical and problem-solving skills.
* Attention to detail and a commitment to data accuracy.
* Good communication and teamwork abilities.

**Education**

* Bachelor’s degree in Geography, Geospatial Science, Environmental Science, or a related field. A certificate in GIS or equivalent experience is also be acceptable.