

Job Details

Job Title	GIS Project Analyst
Business Unit	Generation & Renewables Engineering (for SP Energy Networks)
Geographic Location	Bromborough
Title of Direct Superior	Head of Generation & Renewables / Head of City Energy Planning

Main Purpose of Job

The candidate will be expected to work as part of a multidisciplinary team of engineers focussed on the development of low-carbon energy and 'smart grid' strategies for the creation of future 'Smart Cities'. The work will be primarily focussed on assisting the team to use GIS spatial mapping and volume data analytical techniques to visualise project opportunity with City energy landscapes. The role holder will work with implemented ESRI based GIS systems and develop processes for efficient management of spatial data to enable the business to develop and operate its GIS capability. This role is to co-ordinate the GIS function, being responsible for providing GIS analysis, data management and mapping to support the groups 'Smart City' ambition.

Accountabilities

- Maintain the GIS data management system for the Cities team, including tracking/maintaining and updating software, licenses, spatial data, metadata, review of software packages, liaising with existing SPEN IT & GIS resources and developing data standards within the company in line with the overall Quality Assurance systems.
- Research, analyse for relevance, procure and make access available of relevant datasets, prioritising publically available resources where available.
- Identify the shortcomings of readily available GIS data and produce recommendations on what additional data would be useful, what benefit it would bring, and how to procure required data.
- Data Analysis of City low carbon energy requirements, using Python and/or Model Builder for the development of technical models for projects (Energy use, Low Carbon technology requirement, development & planning layers analysis etc).
- Creation of new GIS datasets from manual input or combining existing datasets for innovative analysis and visualisation.
- Production of controlled output visualisations for internal and external issue.
- Sharing/transmission of data with key stakeholders, partners and consultants.
- Participate in preparation of the GIS/data management budget and resources.
- Integration of GIS with other SPEN internal Data collection and drafting tools (e.g. Excel, OSIssoft PI, AutoCAD).
- Excel analytical skills: the candidate should be proficient with excel and able to produce formulas for analysis of GIS data attributes and extraction of value of the data with respect to the specific objective in each case. Knowledge of SQL also desirable.

Dimensions

- The unparalleled strategic approach undertaken by this role will enable SPEN to maximise on the delivery of the distribution programme for the licensed distribution areas.
- This roles geographical area will cover Liverpool and Liverpool City Region, the City of Glasgow and Edinburgh City Region and all relevant public and private sector companies, across this geographical area.

- This role will deal with a portfolio of 400+ stakeholders across Liverpool and Liverpool City Region, the City of Glasgow and Edinburgh City Region from both private and public organisations.
- This role will have the dimensions of dealing across all functions within SPEN.
- The role will assist SPEN's reputation and public perception across the geographical areas..

Skills, Knowledge & Experience

- A recognised qualification in GIS, or equivalent professional experience.
- GIS track record, including proficiency with standard GIS applications, web mapping, analytical programming and data layers.
- Solid practical GIS skills including working knowledge of ArcGIS 10, Model Builder/Python, Digital cartographic and map production skills and use of Spatial Analyst and 3D Analyst extension.
- Experience in data capture and understanding of multiple co-ordinate systems/projections.
- Knowledge of metadata standards – ISO standards, UK Gemini, Medin.
- Good knowledge of data issues/sources.
- Preferred experience of Consultant/Planning GIS activities.
- Strong written and oral communication skills.
- Self-motivation and pro-active attitude.
- Ability to translate requirements into working solutions.
- Ability to work well under pressure.
- Ability to develop and maintain databases.

Complexity and Creativity

- The post-holder is required to analyse and evaluate a complex range of technical, regulatory, commercial and environmental factors and datasets in proposing advice and solutions.
- Develop and maintain strong relationships with internal and external customers.
- Dealing with a range of complex issues simultaneously.
- Maintaining awareness of a broad range of technology developments that could impact SPEN.
- The role holder must also be willing to challenge and take action to meet and exceed customer needs. They must be a leader and team player that works with others towards shared goals, and a role model who is enthusiastic toward business improvement and recognises the success of others.
- Where applicable bring together individuals from diverse functions to work as a successful team.
- Provide commercial guidance to establish an appropriate course of action without having all the desired information.
- Facilitate complex relationships with external planning functions and external professional advisors.

Judgement and Decisions

- Takes into account all possible information available and ensuring business risk is mitigated where possible.
- Proposals relating to the technical content of policy, standards and specifications.
- Identify and act upon risks and opportunities associated with the all business developments.
- Develop key project milestone dates and support owners in relation to the team business plan.
- Monitor and report on transformational progress.

Contacts

External

- Local and National Government
- Ofgem & DECC
- City Councils
- City Regional Councils
- All City Chambers within geographical area
- Public sector organisations inc NHS etc
- Housing Associations across the geographical region
- Academia
- Industry Forums
- Local and National Developers
- Consultants
- Contractors
- Asset owners
- Key Suppliers
- Other organisations as they enter the city agenda

Internal

- Cities Senior Management Team
- SPEN Senior Management Team
- Cross- business and cross functional teams.
- Peer group
- IBE / SP Group

Qualifications and Training

Criteria	Essential/Desirable
<ul style="list-style-type: none">• A recognised professional qualification in GIS• Additional professional qualification or equivalent experience	Essential Desirable

Special Requirements *(not mandatory)*

Criteria	Essential/Desirable
<ul style="list-style-type: none">• Experience within a Consultant or Local/National government planning or Energy/Utility related field.	Desirable
<ul style="list-style-type: none">• Enthusiastic and flexible individual with drive to succeed and self-motivated.	Essential
<ul style="list-style-type: none">• Excellent communication skills with individuals at all levels.	Essential
<ul style="list-style-type: none">• Effective decision maker not inhibited by consultation with others when necessary or give lead as required.	Essential
<ul style="list-style-type: none">• Ability to deliver objectives without compromising on safety, quality or customer service.	Essential
<ul style="list-style-type: none">• Well-developed consultation and negotiation skills.	Essential
<ul style="list-style-type: none">• Good organisation and time management skills.	Essential
<ul style="list-style-type: none">• An effective and confident written and verbal communicator.	Essential

Minimum Criteria *(mandatory)*

- A recognised qualification in GIS
- Experience of ESRI GIS systems
- Experience of practical Data analytical applications
- Experience of using GIS in a business environment, preferably in a Consultant/Planning field.
- Proficient in the utilisation of all the commonly utilised IT packages (Microsoft Suite of programmes: Outlook, Word, Excel, Powerpoint and Access).
- Proven record in production of business reports and detailed data analysis