Job Description: GIS Analyst – Renewable Energy

KiloNewton is a dynamic technical consulting and software development company, focusing on engineering, renewable energy, manufacturing, and strategic business/technology decision management. If you are a self-motivated, crazy smart professional who is looking for a company that will allow you to be your best, while making the world a cleaner, better, happier place, then KiloNewton is for you! We are a small, growing firm, and so we are looking for someone to wear many hats. Any candidate who is partially familiar with job requirements but can be quickly trained will be considered.

KiloNewton is searching for an ambitious individual who is an experienced GIS Analyst, to perform analysis in a variety of applications concerning renewable energy, primarily solar and wind. The ideal candidate will leverage mapping systems, Geographic Information Systems (GIS) and CAD to prepare maps and drawings for project deliverables on renewable energy and other projects, building custom models around the world to assess renewable energy sites for development.

The GIS Analyst will be skilled in utilizing ArcGIS Pro, Python programming language, and familiar with AutoCAD software. Maps and drawings must be created with accurate detail that incorporates topography, boundaries, permitting ordinances, environmental variables, design inputs, field notes, and must comprehend, interpret, and render inputs from their supervisor and others as required.

We seek someone who has a passion for what they do and being part of something special. Our ideal candidate will be innovative and flexible, yet extremely process-oriented. We are looking for someone who is dedicated to hard work, driven by the game, and motivated to win!

GIS Analyst – Renewable Energy Job Description and Responsibilities

- Research publicly available data and maps for use in generating final map results.
- Importing/exporting CAD to GIS and vice versa, including georeferencing.
- Create new base maps and existing system maps from available records and drawings.
- Provide Marketing and Pre-Sales support, generating maps and solutions for network and proposal opportunities and scope of work requests.
- Perform implementation, processing, and quality assurance/quality control (QA/QC) on new and updated data, as well as compile metadata.
- Create, translate and integrate GIS data layers, and digitize new data using a variety of software.
- Implement technical algorithms and equations into custom Python scripts in GIS models
- Automate GIS processes in Python and other languages and assist with conversion into software APIs.
- Coordinate with other technicians and analysts in various data development, update, and project support initiatives.
- Provide technical expertise and support to groups, personnel, and users in GIS and data efforts.
- Complete special requests for various groups by utilizing existing data, analyzing results, and producing 2D, 3D drawings and models, reports, maps, and supporting documentation.
- Participates in engineering, permit, and construction processes.
- Drafting clear, detailed, and complete drawings with accurate detail that incorporates permitting ordinances, design inputs, sketches, and notes.
- Work with management to schedule work and manage workload to meet customer and company expectations.

- Other duties as defined.

GIS Analyst – Renewable Energy Skills and Requirements

- Experience with renewable energy, particularly solar and/or wind.
- Minimum 3 years of experience in ArcGIS/ArcGIS Pro. A GISP certification is a plus.
- Minimum 3 years of Python coding experience with GIS products. Other coding experience may be considered if highly proficient
- Expertise using other GIS software products, especially ArcGIS Pro.
- Experience using AutoDesk software products, especially AutoCAD and Civil 3D.
- Knowledge of principles, practices, and methods related to GIS/CAD.
- Working knowledge of GIS techniques such as map production, editing, and geocoding.
- Proficiency in MS Word, Excel, Access, Project.
- Demonstrated customer relationship and people skills.
- Demonstrated excellent communications skills (written, verbal, and presentation).
- Demonstrated excellent organizational skills and be detail-oriented.
- Required: a bachelor's degree in a related technical discipline (e.g. GIS, renewable energy, civil engineering) or related experience. Master or higher a plus.

To apply, or for any questions, send an email with your contact information, job interest, and resume/CV to **careers@kilonewtonllc.com**.