



## **Job Description: Renewables Engineer**

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.

KiloNewton is searching for an ambitious individual who is experienced renewable energy engineer, primarily focused on solar and wind projects. The ideal candidate will leverage their professional skills, in analysis, design, and leadership to prepare analysis, calculations, drawings, reports, etc. for project deliverables on renewable energy, structural analysis, and other projects. The candidate will be skilled in using computer analysis, optimization, and drafting software, including ArcGIS, AutoCAD, and AutoDesk analysis packages.

Designs/models must be created and analyzed with accurate detail that incorporates topography, boundaries, permitting ordinances, environmental variables, design inputs, sketches, civil requirements, field/customer notes, etc. and must be able to comprehend, interpret, and render verbal inputs from the 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, bored by repetition, and motivated to win!

### **Renewables Engineer Job Description and Responsibilities**

- Assess project requirements.
- Assess the impact and feasibility of site due diligence, from preliminary layouts to the final engineering design.
- Prepare drawings and schematic designs based on project requirements.
- Assess energy requirements and
- Study and assess drawings, plans, specifications and other documents relating to construction projects.
- Determine budget, project schedules and scope of work and deploy appropriate staff.
- Preparing bids and documentation for various grant applications and tenders
- Supervising project teams, including the direction, lead and support of other engineering and skilled personnel in managing and executing multiple tasks and projects.
- Creation and analyses of site maps and conditions using GIS software
- Collaborate and interact with construction teams, architects and outside project developers, engineers, and consultants.
- Manage deliverables on time and within the budget.
- Initiate and ensure standard engineering discipline in drawings, maps, and plans, which may include solar, geotechnical, terrain, wind and hydrology analyses.
- Working closely on construction plans with clients, architects, and other professionals
- Developing design ideas using CAD and FEA software
- Working out the loads and stresses on different parts of a structure, and optimization of the structure

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- Using computer simulations to predict how structures will react under different conditions
- Inspecting structures and systems, and recommending options for repairs, replacement, or demolition
- Making sure that projects meet legal guidelines, environmental directives, and health and safety requirements
- Giving progress reports to clients and senior managers
- Adhere to the best practices, standards and procedures of the company.
- Other duties as defined.

### **Renewables Engineer Skills and Requirements**

- Expertise in field of study to independently design and analyze renewable energy projects.
- Knowledge of principles, practices, and methods related to FEA/CAD.
- Expertise in CAD, FEA, and GIS software.
- Working knowledge of GIS techniques such as map production, editing, and geocoding.
- Proficient in MS Word, Excel, Powerpoint, Project.
- Demonstrated customer relationship and people skills.
- Demonstrated excellent communications skills (written, verbal and presentation).
- Demonstrated excellent organizational skills and be detail oriented.
- Bachelor's Degree in a related technical discipline or related experience required.
- Master's Degree in Civil, Mechanical, Renewables, or related Engineering field desired.
- 2+ years experience in solar/renewable energy engineering required.
- 5-10 years of experience in civil/structural/renewables engineering, including a variety of specializations.
- NM residents strongly preferred.

To apply, or for any questions, send an email with your contact information, job interest, and resume/CV to [careers@kilonewtonllc.com](mailto:careers@kilonewtonllc.com).