KILONEWTON

Solar & Renewable Services

Site Selection and Layout Optimization

Technology Evaluation & Solutions

Project Execution Support

Maintenance and Performance

Training and Technical Support

Accelerate your business

At KiloNewton, our team has been studying renewable energy and sustainability problems for decades. Our ever-growing network of employees and consultants can help with your needs in virtually any project you throw at us, in any technical capacity. Though we specialize in photovoltaic solar, our services are also available for other renewable industries as well, such as solarthermal, wind, geothermal and other emergent technologies.

In fact, we love creating products and solving problems that no one has ever seen before. Old-school engineering combined with cutting edge design tools will help bring your project to the finish line on time, meeting or exceeding your expectations.

We will help you understand the risks on your projects and we know what to look for at the right stages. It is critical to recognize high-risk and high-cost variables early in the site selection and design process, in order to prevent costly delays down the road. Let our experience guide you from site development all the way through construction and your site's end of life.

END TO END SOLAR AND RENEWABLE ENERGY SERVICES

- FINANCIAL/RISK ANALYSIS
- MARKET ANALYSIS
- SITE SELECTION & DEVELOPMENT
- TECHNICAL TRAINING
- GEOGRAPHIC ANALYSIS (GIS)
- SYSTEM DESIGN AND ADVISEMENT
- SITE LAYOUT OPTIMIZATION & REVIEW
- INSTALLATION ESTIMATION/PLANNING
- TECHNOLOGY OPTIMIZATION & MIX
- SITE CUSTOMIZATION
- CONSTRUCTION SUPPORT
- QUALITY CONTROL PRACTICES
- COMMISSIONING ISSUES
- ASSET MANAGEMENT BEST PRACTICES
- MAINTENANCE OPTIMIZATION
- FAILURE ANALYSIS/REMEDIATION
- PLANT RENOVATION & RETROFIT
- SITE DECOMMISSIONING

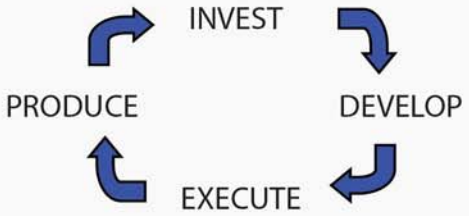
YOUR TECHNICAL ADVISER THROUGHOUT YOUR PROCESS

WE CAN HELP YOU AND YOUR CLIENTS FIND THE BEST PATH FORWARD

IMPROVE YOUR CYCLE TIME

We've brought new projects from a pin on a map to energy-producing sites more times that we can count. No matter what your business model is, we can help you find and set up the right software tools for your application.

Having the right eyes on your project at the right time can mean the difference between a streamlined early completion and a money-pit languishing in the halls of the local building authority. We have dealt with some of the most notoriously difficult and rigorous codes and officials in the world, and can help guide you through special project requirements to make sure you don't have unexpected surprises.



PROJECT DESIGN AND DEVELOPMENT

At KiloNewton, we can support your projects throughout their lifetimes, from helping you set up your development process, to beating that expensive component or service down to the lowest cost. We can identify the underlying problems for you, manage your entire process, or jump in to help when needed, providing CAD, FEA, analysis & reports, drawings, field support, failure & root cause analysis, and more.

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OPERATIONAL SUPPORT

We know that the design phase of a renewable energy project is just the beginning. We will work with your development and construction teams, government entities, engineering firms, OEM's, basically whatever is needed to get the job done. Commercial success for our renewable projects is incredibly important to us, and we strive to achieve the best possible return on investment for our clients.

We have direct experience in a variety of specializations to help with your projects, from soup to nuts. We can get involved at any stage in your project to help. The following is a short list of technical analysis and proficiencies we can assist with:

LCOE optimization including:
performance modeling and cost estimation

Geographic and topographical site optimization

Project optimization
for interdependent technologies & site variables

Structural & mechanical site design,
review, and stamping services

Technology assessments and bankability

Force majeure response

Forensic engineering

Sourcing/procurement challenges, domestic and international

CUSTOMIZATION

No two projects are alike. With PPA power prices on the decline, it is becoming more necessary to look for ways to tailor your site design decisions to each project. We will not only help you design, but also execute the project. We live for new and interesting problems, especially if they are difficult.

SOFTWARE TOOLS

Have a pesky repetitive task that no one likes doing? We can help you identify solutions to simplify and expedite your processes. From simple spreadsheets to cutting-edge computer programs, we will help eliminate these tasks.

TRAINING

Training is proven to be one of the most effective means to improve your business efficiency, and we are here to empower you. Though we love repeat business and referrals, it is our goal to make our customers successful without endless repeated support services.

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Established in 2017, our headquarters is located in Albuquerque, NM, supporting clients and customers worldwide. Our network of engineers can support projects virtually anywhere.

We are here to support you. If there is any technical problem that you think we can help you with, reach out to us via phone or online.