



Evolved Engineering

Bio-Gas

Solar

Wind

Green Energy

The need to control energy costs while displaying a responsible corporate sustainability posture is important to our clients. Kupper Engineering's team has worked all spectrums of cogeneration projects across the country, including:

- ◆ Landfill Gas to Energy/Bio-Gas ◆ Solar ◆ Wind

As costs and regulations rise, KEI's team is there to help you weigh options to augment your existing profiles and maximize your investment.



Landfill & Bio-Gas Conversion

Kupper Engineering was one of the first engineering firms to provide electrical engineering services for these specialized facilities. KEI takes these facilities from conceptual design through utility interconnection. Most recently, we delivered a large 12.8MW facility. This project included coordinating interfaces for relay protection, switchgear, as well as control wiring for low/medium voltage distribution systems. KEI's team even assisted in the procurement and coordination of telemetry services. KEI's clients also leveraged our capabilities end to end, tying these projects to their SCADA and Controls Systems.

Solar

Kupper Engineering designs solar energy plants and AC distribution systems for our Fortune 500 clientele. KEI's list of successful projects include the design and delivery of a 20MW of clean solar energy facility. Our services extend beyond the generation system and include AC interconnection, monitoring, metering, combiner box design, DC string calculations, inverter interconnection, security cameras, and lighting.



SCADA & PLC Control Systems

SCADA and PLC control systems for Green Energy sites are designed to integrate the site by communicating with all subsystems that make up the overall system. The system is primarily used as a monitoring system with an HMI interface for operators to view the site locally or from a remote location. Data points from each subsystem are historized in a database and used for operations and permitting reports, as well as for troubleshooting. These systems include limited control of building accessories and associated skid start/stop. Maintenance screens, manual and automated reporting, web interfacing, on-site startup, maintenance and troubleshooting are available.



Wind

KEI delivers complete wind turbine generation projects up to 2.5MW, including utility interconnection. The energy can be sold back to the utility or to an adjacent energy user. KEI's robust design includes switchgear, underground duct banks, and fiber optic communications infrastructure. Additionally, KEI coordinates control interfaces between intertie relays, switchgear, and turbines.

300+
MEGAWATTS
OF RENEWABLE ENERGY
INSTALLED IN THE U.S.

Kupper Engineering is classified as a small business and is registered to do business with the federal government under NAICS/SIC 541330.

101 Jackson Ave
Glenside, PA 19038

Phone: 215-884-5970
Fax: 215-884-5973

E-mail: info@kupperengineering.com
www.kupperengineering.com