



PowerGen

Landfill Gas Application



The methane abating power solution of tomorrow, proven and deployable today

Qnergy's PowerGen Landfill Gas (LFG) application is a Free Piston Stirling Engine generator that converts methane from any source into utility-grade electricity. With a proven track record in the oil and gas industry, the PowerGen can also provide sustainable power from otherwise wasted methane at landfills.

Due to its compact footprint and remote capabilities, the PowerGen LFG is a flexible power source, delivering up to 5.65kW of electricity and 73,000 BTU/hr of heat wherever needed on a landfill site. Whether it's powering a gas blower, air pneumatics, or offsetting electricity, the PowerGen LFG is the perfect turnkey solution for any landfill.



The PowerGen LFG features an auto-tuning fuel train, enabling smooth operation on the fluctuating compositions and low methane levels typical of landfill gas, down to 20%.

What Separates Qnergy PowerGen From Conventional ICE's?

Qnergy Stirling Engine

Each PowerGen Remote Power System utilizes Qnergy's unique QB80 Stirling Generator

PowerGen LFG Benefits

- Auto-tuning fuel train for fluctuating gas composition
- Remote operation
- Low cost of operation and maintenance
- No rotating parts, friction, or lubrication
- Annual preventative maintenance service only
- 99% cleaner emissions than internal combustion engine
- Remote monitoring via Qnergy's Dashboard
- Not susceptible to damage from siloxanes or hydrogen sulfide