A BRIGHT IDEA

How GE's aeroderivative gas turbines can help

Now that you understand what grid firming is—and why it's needed in areas with renewable energy resources—why would you choose an aero to help? **It's simple.**

FAST START

Aeros can get on the grid quickly and start producing power —with a rapid start—in as few as 5 minutes. Aeroderivative turbines are designed for high cycling capability, allowing multi-day start/stop cycles without maintenance penalties.

FLEXIBILITY

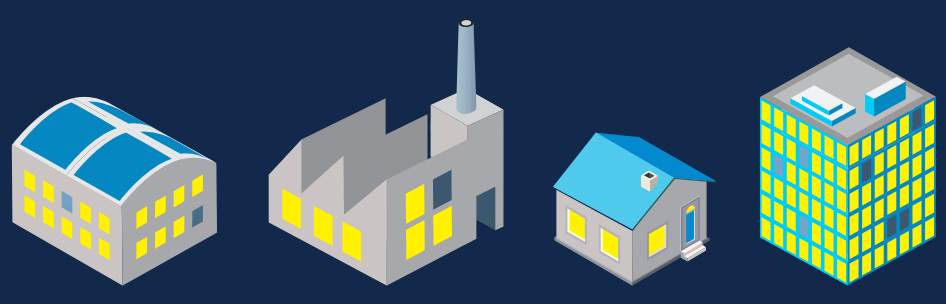
A fast ramp rate (up to 50 MW/min), high part load efficiency, a low minimum load and deeper turndown all contribute to aeros' flexibility and their ability to quickly work within an intermittent grid, **quickly getting power to where it needs to be.**

Why are aeros so flexible? Because they're derived from aircraft engines, helping planes achieve close to 300 daily starts and stops!

FAST INSTALLATION

Not only can aeros get on the grid faster, they can get to you and get working faster, too. Our aero packages can be installed in **as few as 11 days** in some cases!

BETTER FREQUENCY REGULATION

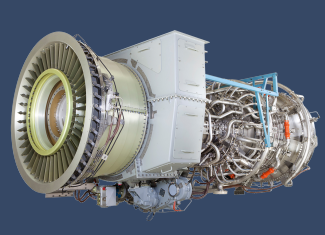


GE aeroderivatives' **fast ramp rate** means they can start up quickly to address a load change. They're multi-shaft machines that can quickly handle drops and rises in loads, providing **better transient response** than reciprocating engines. Aeros' higher inertia and power output, when compared to reciprocating engines, improve grid stability and help avoid both brownout and blackout events.

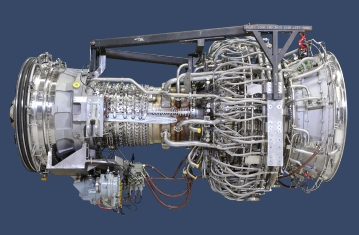
Your grid firming
power players

TM2500
Power plant on wheels

LM2500Xpress
The world's most modular power plant



LM6000
40 million operating hours



LMS100
The efficiency you've been looking for