



ANTI-ICING SYSTEM

PROTECT PLANT RELIABILITY IN COLD WEATHER

Reliable peak-power availability is critical to your mission. As low temperatures descend on your plant, ice forming at the gas-turbine inlet can lead to compressor-blade damage, engine failure, and weeks of costly downtime.

Our field-proven anti-icing system ensures maximum LM6000 operational readiness throughout the winter season. Developed in-house—and drawing upon decades of expertise with the complete lifecycle for the LM6000 platform—PROENERGY anti-icing technology is customized to your application and delivered 100 percent turnkey, including all controls, testing, and energization.



CASE STUDY

100% RELIABLE IN RECORD FREEZE

141 Hours of Run Time for Winter Storm Uri
200,000 Texan Homes Powered

LOCATION

HO Clarke Facility Houston, TX

PLANT SIZE

288 MW (6x LM6000 gas turbines)



288 MW

EFFICIENT

0

GAS-TURBINE
POWER LOSS

SIMPLE

1 WEEK

INSTALLATION TIME

PROVEN

50+

UNITS CONTRACTED

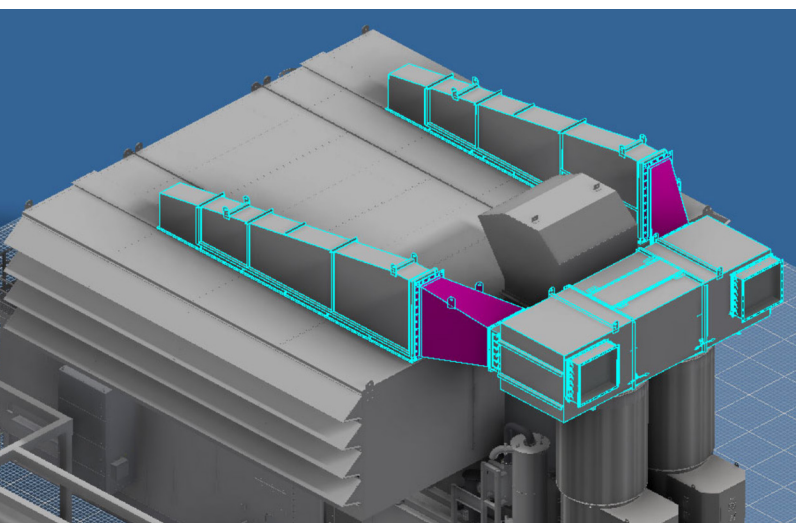


MAXIMIZE WINTER READINESS WITH SIMPLIFIED, FIELD-PROVEN ENGINEERING

The PROENERGY anti-icing solution is ideal for all LM6000 power plants with winter-operating temperatures of 40°F (4.4°C) and below. This flexible technology operates normally until temperatures drop, signaling our proprietary ducting system to recycle waste heat from the gas-turbine enclosure to the inlet-filter system.

Our solution regulates inlet humidity and temperature simply by leveraging waste heat. Rather than extracting air from the high-pressure compressor (HPC)—which can create a 2% energy loss in the turbine—our system uses minimal ducting to recirculate, filter, and inject heated air to your engine. This increases inlet-air temperatures by at least 10°F (5.6°C) to eliminate icing risk in all cold-weather environments, including extreme winter events.

Simple and field proven, PROENERGY anti-icing technology is already a standard feature in every turnkey PowerFLX LM6000 plant. Learn how our anti-icing solution can help you to achieve safe, reliable peaking power this winter.



THE PROENERGY ADVANTAGE

Ø SITE FOOTPRINT

Ø ENGINE WORK

Ø GAS-TURBINE POWER LOSS