Solar Turbines

SoLoNOx

Dry Low Emissions Technology

A Caterpillar Company

World Leader in Pollution-Prevention Applications



There are important reasons why gas turbine operators around the world have selected *Solar*[®] gas turbines with dry low emissions (DLE), pollution-prevention *SoLoNOx*[™] combustion systems to meet local exhaust emission regulations:

- Unrivaled Experience: More than 35 million operating hours on SoLoNOx combustion systems.
- Fuel Options: Natural gas, dual fuel (natural gas/distillate) and associated gas systems available.
- Low Emissions Guarantees: Gas turbines with SoLoNOx technology are designed to meet virtually all exhaust emission regulations throughout the world during steady-state operation at 50-100% engine load at all ambient temperatures above -20°C (0°F).
- Cost Effectiveness: Gas turbines with SoLoNOx do not require water or steam injection.

- High Performance: Turbine engines with SoLoNOx provide the same power and heat rate with the same reliability and availability as Solar's equivalent models with conventional combustors.
- Global Support: Solar's global Customer Services organization has trained, experienced personnel available around the clock at 39 strategic locations to quickly respond to customer needs for field service, overhauls, retrofits and upgrades, service parts, and many other support services.

Solar Turbines has been a leader in pollution-prevention technology, introducing *SoLoNOx* in 1992 as a customer option for natural gas fueled gas turbines rated at outputs of 3.5-MW and above, including the *Centaur*[®], *Taurus*[™], *Mars*[®] and *Titan*[™] gas turbine families. Since its introduction, *SoLoNOx* technology has saved an estimated 1.2 million tonnesof NOx emissions.

SoLoNOx utilizes lean-premixed combustion technology to ensure an extremely uniform air/fuel mixture and stringently control the combustion process to prevent undesirable emissions from forming. That's why we refer to gas turbines with SoLoNOx as pollution-prevention engines.

Of course, Solar Turbines continues to work to meet tougher emission standards in the future.

That's just another reason why more customers prefer and select *Solar* gas turbines over any other industrial turbomachinery. Solar's customers can count on our continuous product technology development and improvement programs to bring them advancements like *SoLoNOx* to meet their requirements.

For More Information:

Please contact: Solar Turbines Incorporated P.O. Box 85376 San Diego, CA 92186-5376 U.S.A. Tel: (+1) 619-544-5352 Fax: (+1) 619-544-2633

Internet: www.solarturbines.com