

MeeFog™ Project Profile

Gas Turbine Inlet Air Fogging

1 x LM6000 - Apizaco, Tlaxcala, Mexico



Project Summary:

Procter & Gamble in Mexico installed a MeeFog™ evaporative cooling system on their LM 6000 gas turbine in 2006. In 2013 they expanded their system by adding another pump and additional nozzles.

The system provides fog evaporative cooling for a GE LM6000 gas turbine. The MeeFog™ skid has two pumps and provides five stages of fogging, producing a 3 MW power boost.

Project Conditions:

- Location: Apizaco Tlaxcala, Mexico
- Hot day conditions: 23.3° C with 14.5° C wet bulb
- Elevation: 2,444 meters above sea level
- Mee's scope of work: Supervision during installation and commissioning
- Max power boost per GT: 3 MW

Fog System Design:

- Fogging stages: 5
- Operating pressure: 2,000 psi
- Fog droplet size: 12 microns
- Nozzle flow rate: 0.17 lpm per nozzle
- MeeFog™ nozzle count: 260
- Pump skid power: 20 HP