APR Energy Generates 16 MW Boost with MeeFog™

Tripoli, Libya – 4 x Pratt & Whitney FT8 gas turbines

Project Summary:

APR leased their FT8 Mobile Packs to General Electric Company of Libya. These provided a quick power solution to a remote location in the Sahara, about one day's drive from the urban centers along the Mediterranean coast.

Due to the extreme desert climate, MeeFog™ Systems were necessary to recover power that otherwise would be lost.

Project Conditions:

Location: Samnu Power Plant, Libya

Hot day conditions: 113 °F (45 °C)

Cooling Capacity: 49 °F (27 °C)

Elevation: 417 meters

Max power boost per GT: 4 MW

Mee's scope of work: Supply of fog pump skid, nozzle manifolds, and supervision of installation and commissioning

Fog System Design:

Cooling Stages: 14

Operating Pressure: 2,000 psi

Fog Droplet Size: 8 microns (SMD)

MeeFog™ Nozzle Count: 336

Nozzle Flow Rate: 0.045 gpm per nozzle

Max. Water Flow: 15.2 gpm

Max. Power Requirement: 27 HP

MeeFog Systems

Mee Industries Inc. 16021 Adelante St. Irwindale, CA 91702
T: 626.359.4550 • info@meefog.com • www.meefog.com