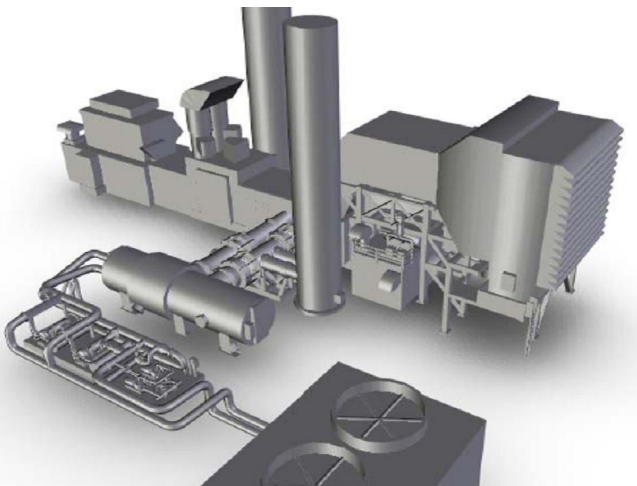


G.E. - LMS100

The LMS100 is the first intercooled gas turbine system developed especially for the power generation industry. At 46% thermal efficiency, the LMS100 is 10% higher than any other GE simple cycle turbine. It is designed to handle power for peaking, mid-range, and baseload.

Altran Solutions Corp.

Altran Solutions, a mid-size A/E firm, completed the BOP engineering/design firm for the first installed, non GE designed LMS100 installation. Altran's engineering/design responsibility included all balance-of-plant engineering at the lower New Jersey installation.



If you have any questions or would like to discuss in greater detail, please contact Michael Griffin at 321.363.4933 or via sales@altransolutions.com

The engineering/design of the G.E. LMS100 includes the following:

- A generator with a clutch for synchronous condensing operation which allows for the ability to achieve full load or synchronous condenser operation from a cold start within 10 minutes
- Simple cycle, dual fuel fired with water injection during all modes of operation for NOx control. Natural gas is the primary fuel with low sulfur light petroleum diesel for the secondary fuel.
- Inlet air evaporative cooling
- Brush model BDAX 98-445ER air cooled generator
- Aqueous NH3 SCR/CO catalyst
- Remote start/stop operation
- Additional 230kV circuit breakers designed

Altran Solutions' engineering/design provided for all of the balance-of-plant design requirements including:

- Foundations / Structures / Underground Utilities
- Aqueous Ammonia Storage & Handling
- Instrument and Service Air
- Fuel Oil Supply and Return
- Demin Water Supply
- Natural Gas Supply
- Raw Water Supply to Evap Cooler
- Drains System
- Closed Cooling Water System
- Insulation Package
- Station and Unit Service
- Low and Medium Voltage Distribution & Control
- CEMS / Ammonia Monitor
- Lighting / Grounding
- Heat Trace
- Transmission & Metering
- Instrumentation & Control System