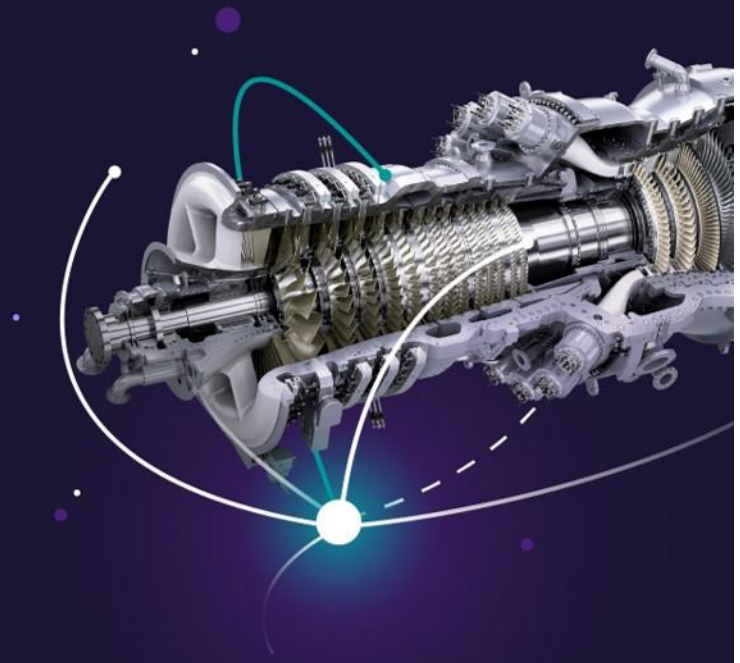
SIEMENS energy

SGT6-5000F - Wet Compression (WetC)

Designed to increase power output for peaking demands



Est. Lead Time
6 Months

Minimum Event Type
Major

Fleet Experience
<5

Power
- Power Output

Flexibility
- Operational Flexibility

Intended Benefits

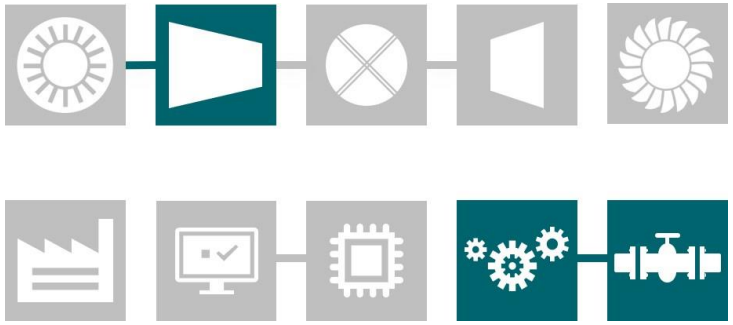
Customers in capacity, peak power and hot ambient environments, can **maximize power plant revenue** with Siemens Energy Wet Compression upgrade. It's a reliable and proven method of generating additional power while at base load. Don't miss out on the opportunity to get additional revenue from wet compression benefits, which can include:

- **Up to15% additional gas turbine power output,** depending on engine configuration.
- Operational flexibility for **power on demand**.
- **Independent of relative humidity** unlike some fogging or evaporative cooling systems which may provide less benefit on humid days.
- **Compensation for reduced power** output at higher ambient temperatures.

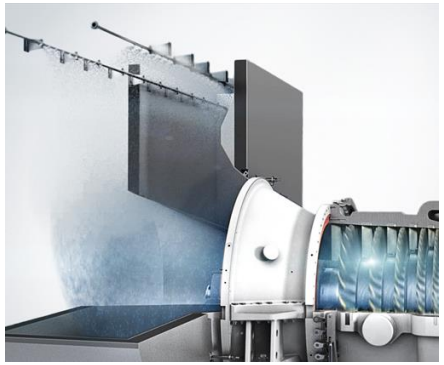
Scope

The Wet Compression hardware scope generally contains:

- Wet compression pump skid
- Injection system with nozzles
- Interconnecting piping
- Advanced Compressor Coating (F4 and above are already coated)
- Integration into existing instrumentation and controls (I&C)



Inlet and Auxiliary Upgrade



Wet Compression Upgrade Simulation

AL:N, ECCN: EAR99 / 3-14-MU0018-01
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