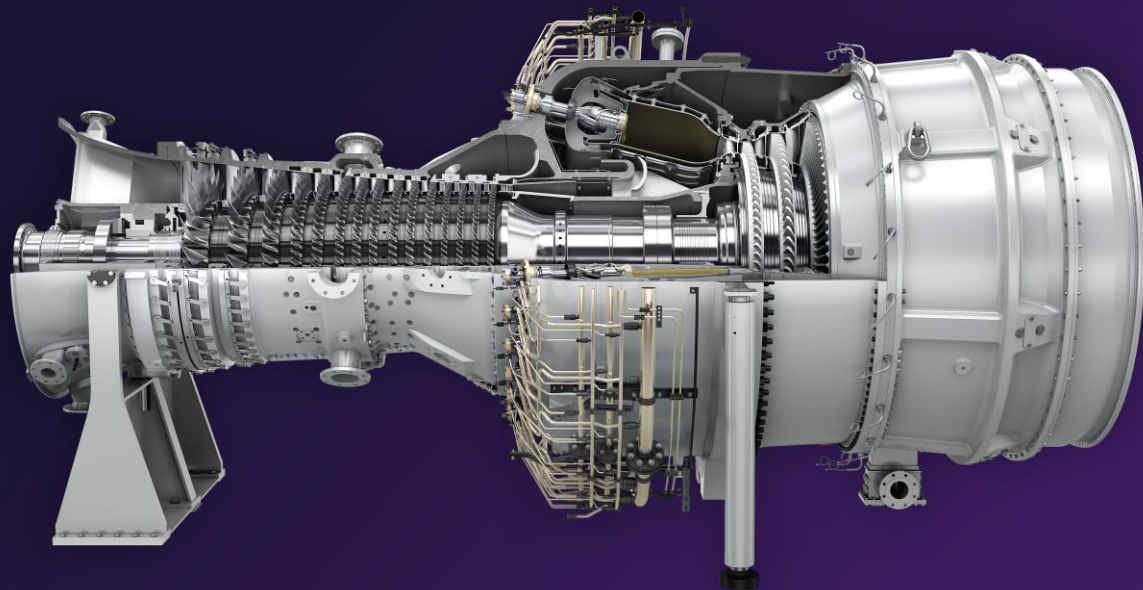


Performance enhancement of your SGT-800

Increase energy efficiency and power output



> +1% *
Efficiency

CO₂ - 21 kg CO₂
per MWh_{el}

Product Overview

Siemens Energy offers solutions to increase the power output from your existing SGT-800 and increase its energy efficiency while also improving steam turbine performance in combine heat and power and combined cycle applications. Either by replacing only parts, core or full core/package replacement.



- 43 – 47.5 MW units up to 53 MW (A-platform)
- 50.5 – 53 MW units up to 54 MW (B-Platform)
- 50.5 – 54 MW units up to 56 MW (B-Platform)

To upgrade your existing SGT-800 up to 62 MW, a full core and package replacement is possible for all platforms.

Improved Features

- Increased air mass flow
- Optimized cooling air consumption of the turbine section
- Improved steam turbine performance in combine heat and power and combine cycle applications
- Implementation during planned maintenance, ensuring minimized down-time
- Possibility of control system upgrade and further digital services in parallel



Benefits

- Increased power output and energy efficiency
- Reduction of CO₂ emissions per produced MWh
- Increased revenue from more power produced
- Less fuel cost per produced MWh
- Longer time between major overhauls possible



Scope of work & Implementation

Exchanging compressor stages, turbine vanes and blades as well as minor changes to the turbine air cooling system. Installation preferably done in conjunction with a scheduled major overhaul. For core or core/package replacements, further work at site will be necessary.

