



Opflex* Steam Turbine AGILITY

a start-up solution for combined cycle plants



Availability/Reliability – Improved startup reliability. Reduce potential for missing generation during peak periods.



Safety/Compliance – Reduced **NOx 10% to 35% & CO avoided** annually.



Efficiency – Less fuel consumption during each startup. Up to **\$9,000 in fuel savings per start**.



Predictability – Limited start time variation. More predictable & repeatable combined cycle start times.



Flexibility – Faster hot, warm, & cold start times. Up to **57% start time reduction**.

Key Features⁺

- One-button start
- Enhanced rotor stress control
- Flexible hot start
- Automatic temperature ramping
- Modified reverse flow
- Inlet Pressure Control (IPC) Setpoint Tracking

⁺ Control system limitations may apply

Opflex* Steam Turbine AGILITY is a comprehensive system solution to improve start times of combined cycle plants. It includes a combination of controls upgrades with expert plant-level operational analysis and recommendations that help to deliver significant improvements in combined cycle start performance.

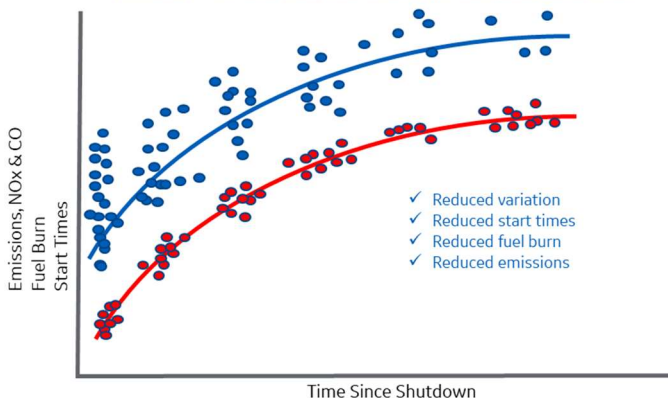
Key Benefits

- Up to a 57% reduction in steam turbine start time
- Up to \$9,000 in fuel savings per start
- Potentially improve your position in the merit order
- Reduced NOx 10% to 35% & CO avoided annually
- More predictable & repeatable combined cycle start times
- Reduced potential for missing generation during peak periods
- Improved balance between start time & steam turbine rotor life

Proven Technologies

- 15+ installations since 2008
- 50Hz & 60Hz, 1x1, 2x1, 3x1, OEM & oOEM power plants
- Demonstrated successful integration of AGILITY with VLP
- 1.8k+ Combined Cycle start-up hours saved
- \$6M+ customer fuel saved

ST AGILITY vs. Baseline Start Times, Fuel Burn, Emissions



To learn more about this offering, contact your GE sales representative or visit ge.com/power/services/steam-turbines.

*Trademark of General Electric Company

Information contained in this document is indicative. No representation or warranty is given or should be relied on. Information provided is subject to change without notice.

© 2021, General Electric Company. All rights reserved.

GEA31019A (05/2021)