Why compromise?
Maximizing turbine productivity is often a compromise for owners and operators. On the one hand, high availability is of utmost importance. On the other hand, it is important to conduct sufficient preventive maintenance to ensure continued operation with no breakdowns. Minor Inspections help to catch potential problems before they become large-scale complications, but traditional Minor Inspections can require up to 3 days of downtime.

Remote Minor Inspection
Siemens can now offer a solution that solves this compromise situation. Our new Remote Minor Inspection reduces downtime down to just one day, whilst performing all the essential checks of a traditional Minor Inspection to help catch any faults at an early stage.

Thanks to Siemens’ unique OEM experience with remote online connections, we have 100 years’ worth of operational knowledge from millions of operating hours of turbines across the globe. Using this Big Data and advanced analytics, we are able to perform many of the Minor Inspection checks remotely, over a period of months, only requiring shut-down for borescope inspections and any necessary replacements.
2-part inspection

The Remote Minor Inspection divides the traditional Minor Inspection into two parts.

A remote inspection is carried out in Siemens’ dedicated analytics competence center, where your unit and its components are compared against 15 million operating hours of fleet-wide data.

A more personalized site inspection is performed based on the results of the Minor Inspection analytics. Engineers come to your site already knowing the results of the analytics.

Siemens’ Remote Minor Inspection can allow you to maximize turbine availability by extending time between borescope inspections and decreasing the shut-down period for routine checks. At the same time, the risk to you is actually reduced due to our multiple, deep-dive analyses over a longer period: 270 days of data compared to just 1 day with a traditional Minor Inspection!

Your benefit*:

Higher uptime – reduces shut-down time for Minor Inspections by over 50%

Increased time between borescope inspections
– 15k EOH instead of 10k EOH

Remote analysis of longer operation periods instead of a single snapshot – 270 days unit data is deeply analyzed

More productive shut-downs – engineers arrive already knowing which activities need to be done

* Estimate calculation based on a SGT-800 47 MW Extended Interval Maintenance Plan (gas fuel). Actual outcome dependent on equipment type and operation conditions.