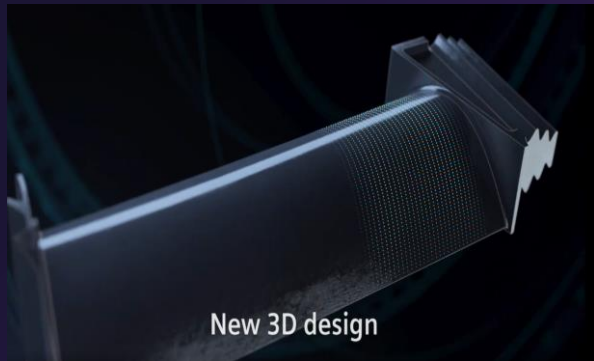
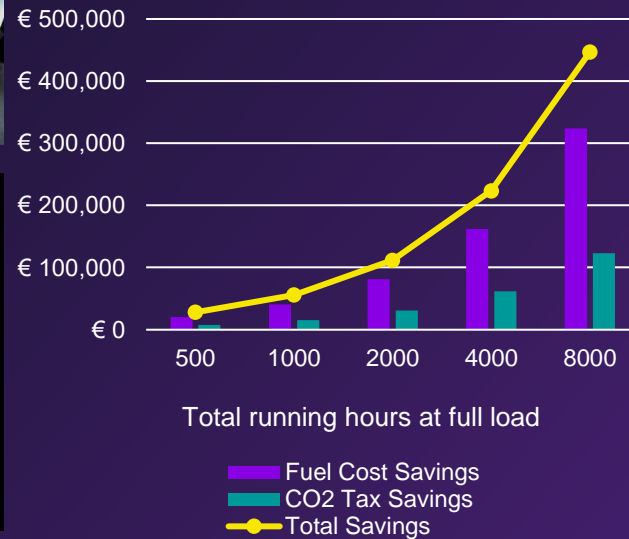


RT62X Upgrade

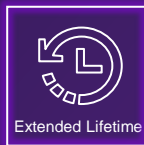
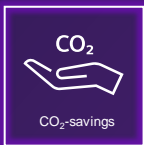
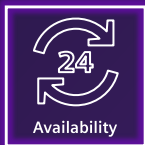
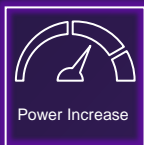
Applicable fleet: SGT-A35



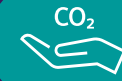
A35 Estimated Average Fuel and CO2 Tax Cost Savings



Note: Estimated Fuel Cost / CO2 tax Savings above are provided for indicative purposes only and are based on a fuel gas price of €7/MMBtu and CO2 tax of €50/ton.



Equivalent to ~6% H2 blend



Up to 2% CO₂ reduction

Product Overview

The RT62X power turbine is designed as an upgrade of the legacy RT62 power turbine installed on over 400 Siemens Energy SGT-A35 C, G and GT units.



Improved Features

- New 3D aerodynamic design of the turbine's vanes and blades, enhancing cycle efficiency.
- Improved honeycomb tip seal design resulting in decreased tip seal leakage and better control of tip clearances.
- Same footprint as legacy RT62 and no change to the mounting location.



Benefits

- Time between overhaul (TBO) increased to 132,000 operating hours.
- Up to 8% increase in power
- Up to 2% fuel savings and CO₂ emissions reduction.
- Independent benefits allow for customization to fit customer specific requirements.
- G to GZero upgrades could add to RT62 to RT62X performance improvements.



Scope of work & Implementation

- Implementation of the RT62X is done via a Zero Hour upgrade at a Siemens Energy approved **overhaul** facility.
 - The Zero Hour scope for the RT62X upgrade involves replacement of key hot gas path components, supplied in pre-assembled kits.

