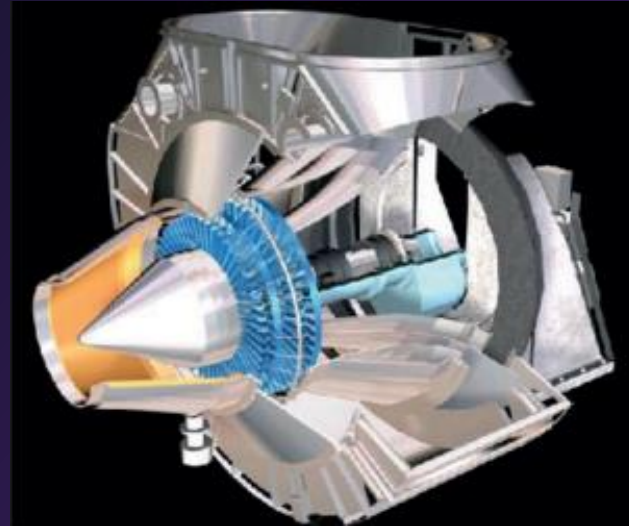
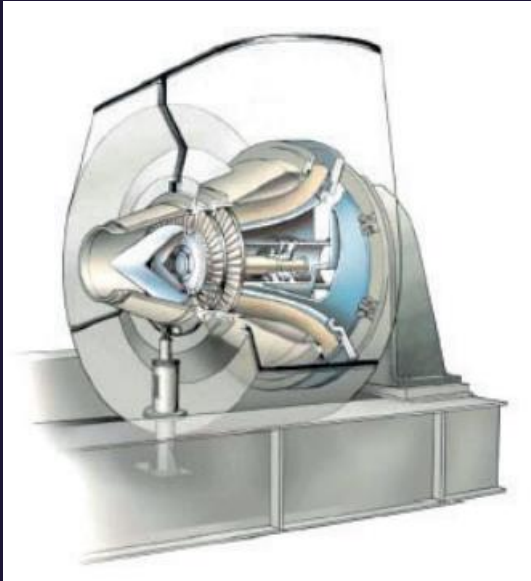


RT48 to RT48S Conversion

Applicable fleet: SGT-A20



Typical unshrouded blade



Typical shrouded blade



Power Increase



Efficiency



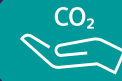
CO₂-savings



Availability



Equivalent
to ~6%
H₂ blend



Up to 2% CO₂
reduction

Product Overview

This conversion provides the customer with a completely new power turbine.

- The assemblies, including bearings, rotors, and instrumentation, would be interchangeable and all the units would share common spares.



Improved Features

- The new diaphragm couplings require no maintenance and will last the life of the unit.
- The new power turbine requires no major tear downs for inspections until it has achieved 100,000 running hours.
- Ability to seal between the blade tips and the blade casing.
- Better blade tip stability.



Benefits

- Up to 2.2% increase in power output.
- Up to 2.2% increase in thermal efficiency.
- Reduced maintenance requirement.
- Better parts availability.



Scope of work & Implementation

- Work to be undertaken **at overhaul**:
 - New rotor assembly and inlet nozzle vane assembly.
 - Work to bearing case and assembly.

