

Combustion

- Outstanding fuel flexibility, ranging from heavy fuel oil to low calorific gases
- Two easily accessible silo combustion chambers for fast maintenance
- Lining with ceramic tiles which can be replaced individually

Rotor and bearings

- Hydraulic Clearance Optimization (HCO): Transient protection of clearances for fast starts with reduced degradation and clearance losses
- Built disc-type rotor with radial Hirth serrations and central tie rod: Light-weight, highly rigid design with excellent start-up performance and high cycling capability
- Rotor de-stacking capability on site for easy maintenance

Capable to burn
30%
hydrogen



Compressor

- Emission-compliant operation down to 50% at constant exhaust temperature
- Fast-acting variable inlet guide vanes for grid frequency stabilization
- All rotating compressor blades replaceable without rotor lift or rotor de-stacking

Axial exhaust

- Cold end generator drive for optimal flow pattern

Turbine

- Four stage turbine, blades and vanes with Si3D design for enhanced performance



SGT-2000E gas turbine series

Mature OEM design leading to best-in-class reliability



■ Flexibility ■ Performance ■ Serviceability