**Compressed-air Brayton cycle**

**Gas turbine**

- Emission-compliant operation down to 50% at constant exhaust temperature
- Fast-acting variable inlet guide vanes for grid frequency stabilization
- Four stage turbine, blades and vanes with Si3D design for enhanced performance
- Cold end generator drive for optimal flow pattern

**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: Lightweight, highly rigid design with excellent start-up performance and high cycling capability
- Rotor de-stacking capability on site for easy maintenance

**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

**Performance**

- Mature OEM design leading to best-in-class reliability

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**SGT-2000E gas turbine series**

Mature OEM design leading to best-in-class reliability