SGT5-4000F gas turbine
Trusted technology, achieved with permanent development

**Rotor**
- Robust design with internal cooling air passages for trusted long term operation and fast start-up capability
- Easy rotor de-stacking on site due to disc assembly with Hirth serration and central tie rod

**Compressor**
- Proven 15-stage compressor: Fast cycling capability through fast acting inlet guide vane
- Two additional stages of fast-acting variable-pitch guide vanes (VGV) for improved part load efficiency and high load transients
- All rotating compressor blades replaceable without rotor lift or rotor de-stacking

**Bearings**
- Hydraulic Clearance Optimization (HCO) improves performance and minimizes degradation by active control of clearances at start-up and shut down

**Combustion**
- Dry-Low-NOx hybrid burners, for low emission operation with gaseous and liquid fuels
- Homogeneous combustor outlet profile for minimized mechanical and thermal turbine stress
- Annular walk-in combustion chamber with individually replaceable heat shields for easy maintenance and short outages, resulting in highest availability

**Turbine**
- High cycling capability due to fully air-cooled hot gas path without cooling air coolers
- Four stages with film cooling and thermal barrier coatings: Well-balanced turbine load optimizes life-cycle costs

**Performance**
- Robust design with internal cooling air passages for trusted long term operation and fast start-up capability

**Serviceability**
- Easy rotor de-stacking on site due to disc assembly with Hirth serration and central tie rod

**Flexibility**
- Hydraulic Clearance Optimization (HCO) improves performance and minimizes degradation by active control of clearances at start-up and shut down

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