

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
- All rotating compressor blades replaceable without rotor lift or rotor de-stacking

Bearings

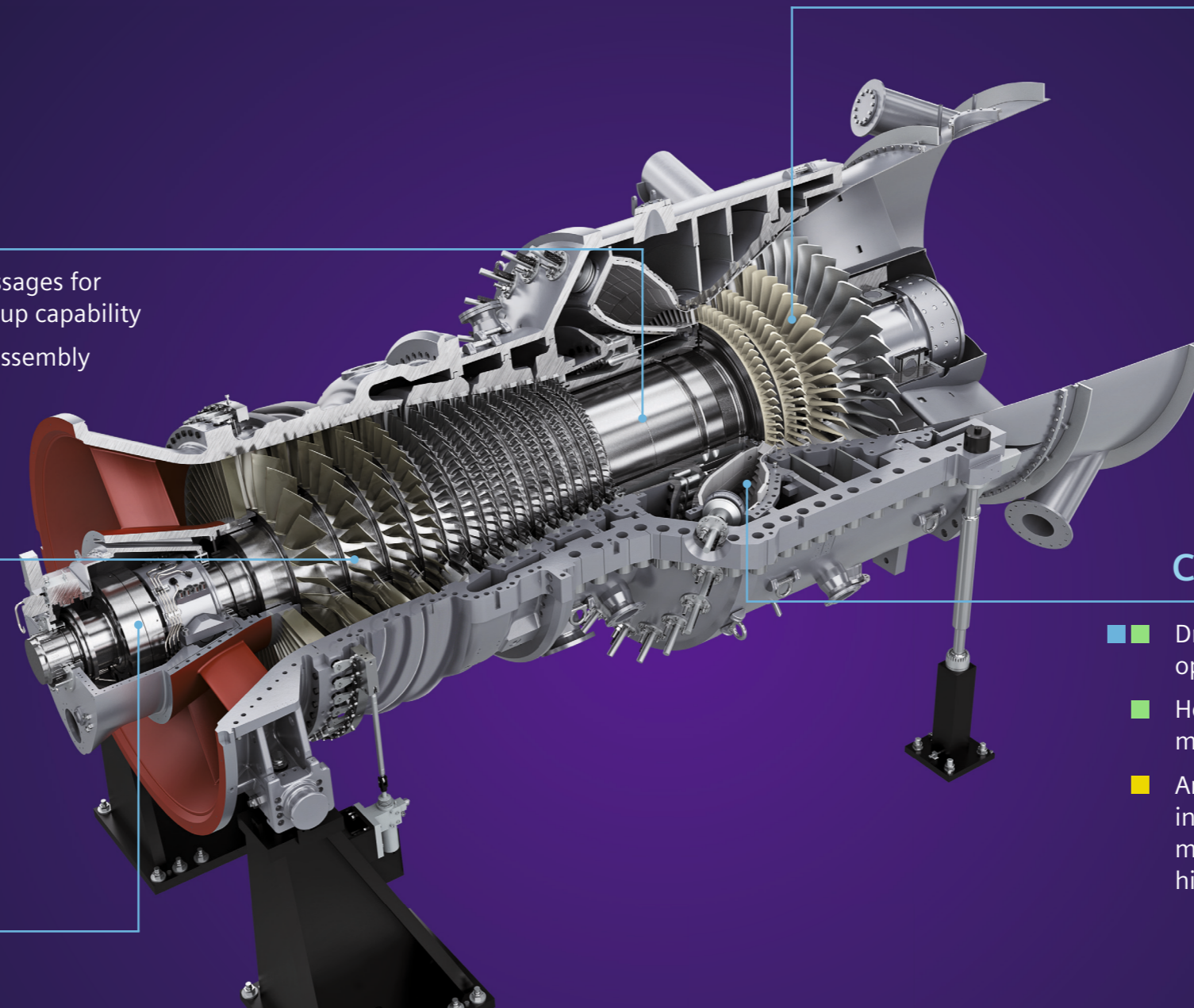
- Hydraulic Clearance Optimization (HCO) improves performance and minimizes degradation by active control of clearances at start-up and shut down

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

Combustion

- Dry-Low-NO_x 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



30%
Hydrogen
capable
gas turbine

SGT5-4000F gas turbine

Trusted technology, achieved with permanent development



■ Flexibility ■ Performance ■ Serviceability