

# MAN Gas Turbine Development Strategy

## Research and Technology Roadmap

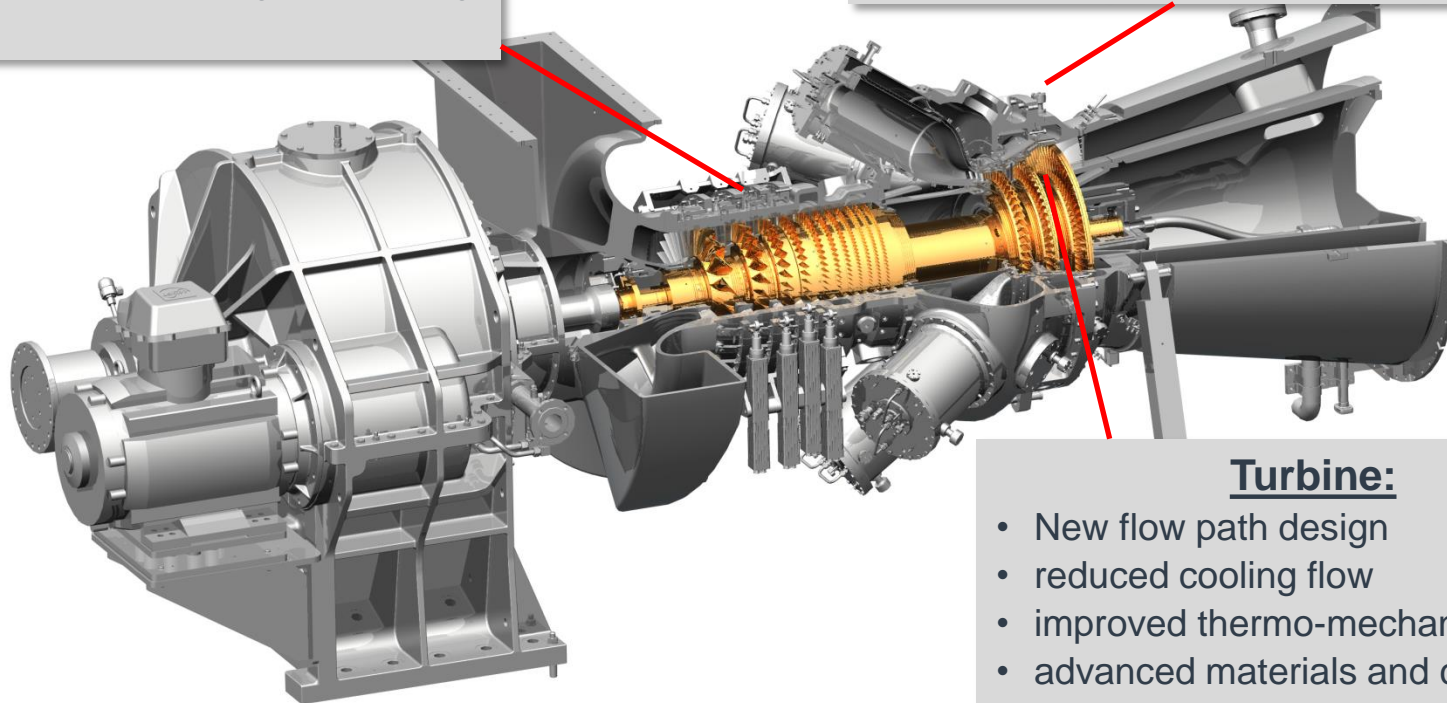


### Compressor:

- Higher pressure ratio
- reduced clearances
- Additive manufacturing :3D printing
- Blisks

### Combustor:

- Ultra low emissions
- Liquid and dual fuel capabilities
- fuel flexibility (wide Wobbe range)



### Turbine:

- New flow path design
- reduced cooling flow
- improved thermo-mechanic design
- advanced materials and coating

### **Condition based monitoring and maintenance strategy:**

Life cycle management based on advanced analytical models (virtual engine rig), full instrumentation testing and digital field engine monitoring

# Do you have any more questions?

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