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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