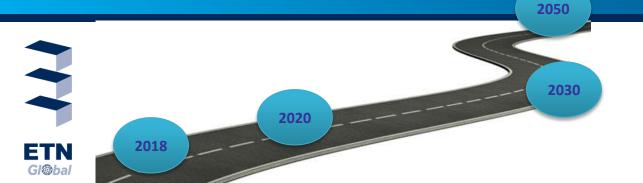
# ETN Strategy Vision and Mission



**AGM 27 March 2019** 









### **Vision**



To promote the operation of environmentally sound turbomachinery technology with high reliability and low cost

#### **Mission**

Encourage and facilitate information exchange, research and technology developments in key areas

A successful implementation will ensure a prosperous user community beneficial to the whole turbomachinery value chain

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## **Strategy**Three Key Pillars

Technical issues and optimised operations

Market Trends, Policy, Legislation

Research and Development















ETN Meetings & Events and Dissemination Activities



#### Pillar 1



# Technical issues and optimised operations

- Risk mitigation and technical solutions:
  - √ To improve energy efficiency and performance
  - √ To improve operational flexibility
  - ✓ To improve reliability and availability
  - ✓ To reduce emissions
- Digitalisation/Condition Monitoring/Life Assessment
- Standardisation
- Exchange of best practices





## Pillar 2 Market Trends, Policy, Legislation



- Promotion of low carbon turbomachinery technologies in future energy and industrial markets
- Influence energy and research policy
- Monitor market trends and emission regulations
- Monitor development and contributions to standards







# Pillar 3 Research and Technology Development



Development of turbomachinery systems to meet future low carbon market needs

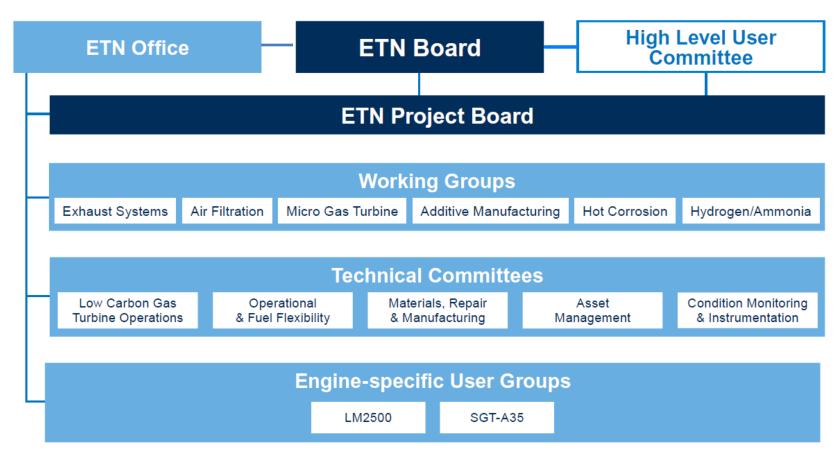
- Fuel flexibility: hydrogen, ammonia, widen the operability of different fuel compositions
- Carbon mitigation: CCUS, CSP, Advanced Cycles
- Storage
- Digitalisation, Additive Manufacturing
- Advanced monitoring, component life management

Details in ETN's R&D Recommendation Report



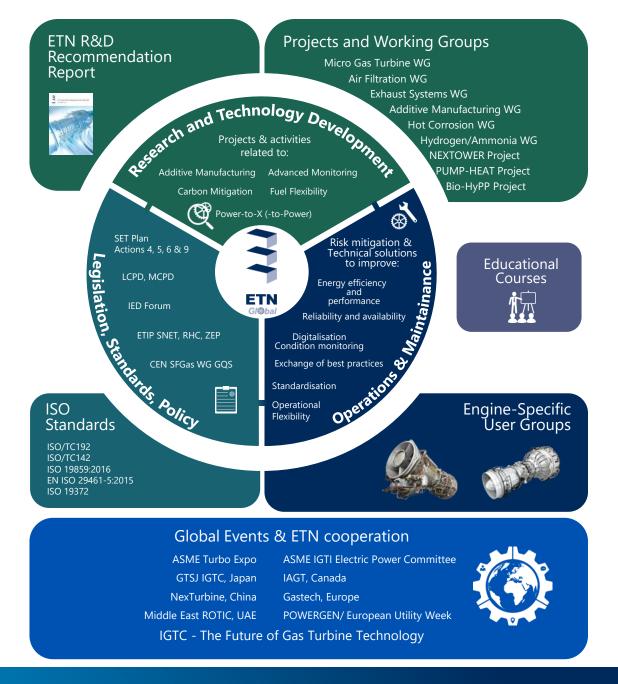


## **Organisational Structure**





## Summary Activities 2018-2019



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# Important steps to reach our vision



- Continue to widen the user community
- Highlight:
  - The important role of our technology can play in the energy transition to a low/zero carbon 2030 and 2050 scenario
  - R&D needs to enable a successful transition
- Follow up on development opportunities in key areas and take cooperation to a new level
- Strong leadership (Board and Project Board)
- Active members



### Questions?

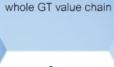
Access to

**GT Experts** 

Access to experts from the







#### **Projects**

Participate in international and cross-functional projects

Standardisation, Best Practice Guidelines, Feasibility Studies, R&D Projects and more





#### **ETN Gl**@bal



#### **Educational Courses** Tailor-made courses in areas

of importance to the Users, given by selected experts from the R&D and industry community

#### **High Level User Meetings**

Take part in the yearly High Level User Meeting to discuss issues of strategic importance to the GT market, with both O&G and Power Generation industries



Participate in ETN and GTUsers.com User Group Meetings on specific engines



