

# ETN Strategy Vision, Mission and Goals



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# Take cooperation to a new level

Ensure a prosperous user community in order for everyone in the GT value chain to benefit from it



## How do we do that?

# Important steps

- ❖ Widen the user community
- ❖ Strong leadership (High Level User meeting, Board, Project Board)
- ❖ Active members
- ❖ Active user groups
- ❖ Highlighting
  - Potential roles for our technology in 2030 and 2050 scenario
  - R&D needs
- ❖ Resulting initiatives and projects
- ❖ Strong support from ETN office

# Mission & Vision



To promote environmentally sound turbomachinery technology with reliable and low cost operation

by encouraging and facilitating information exchange, research and technology development in areas of importance to the user community

# Goals

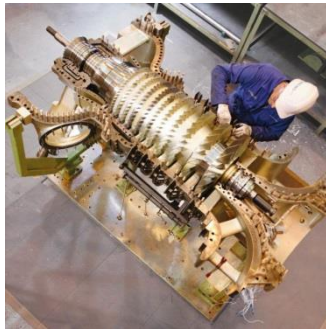


- ❖ Bringing together the entire value chain of turbomachinery technology, worldwide
- ❖ Taking cooperation to a new level for the benefit of all the stakeholders
- ❖ A coordinated strong user voice to highlight the key needs and requirements of the user community
- ❖ Provide a vision for our technology in a low-carbon 2030 scenario and a decarbonised 2050 scenario
- ❖ Create and exchange knowledge & experiences
- ❖ Monitor and influence policy, legislation, standards and future technology developments in line with our strategic needs.

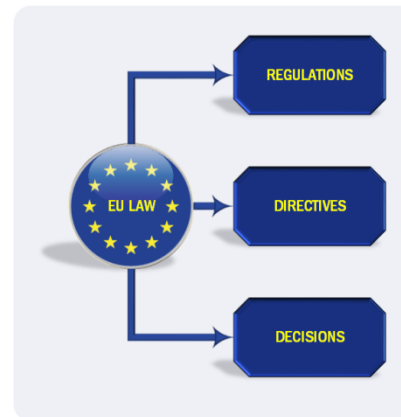
# Strategy

## Activities centralised around

Operational issues  
and optimised operations



Market Trends,  
Policy, Legislation



Research and  
Development



# Key Objectives-1

## Operations

**Operational needs, issues and optimised operations reduce CAPEX and OPEX**

- ❖ Risk mitigation and technical solutions:
  - ✓ To improve energy efficiency and performance
  - ✓ To improve operational flexibility
  - ✓ To improve reliability and availability
- ❖ Digitalisation / condition monitoring
- ❖ Standardisation
- ❖ Exchange of best practises



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# Key Objectives-2

## Research and Development

### Future research and technology development

- ❖ Fuel flexibility: hydrogen, alternative fuel sources, renewable fuels
- ❖ Carbon mitigation: CCUS, CSP, Advanced cycles
- ❖ Power to X
- ❖ Advanced monitoring, component life management
- ❖ Additive manufacturing





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# Key Objectives-3

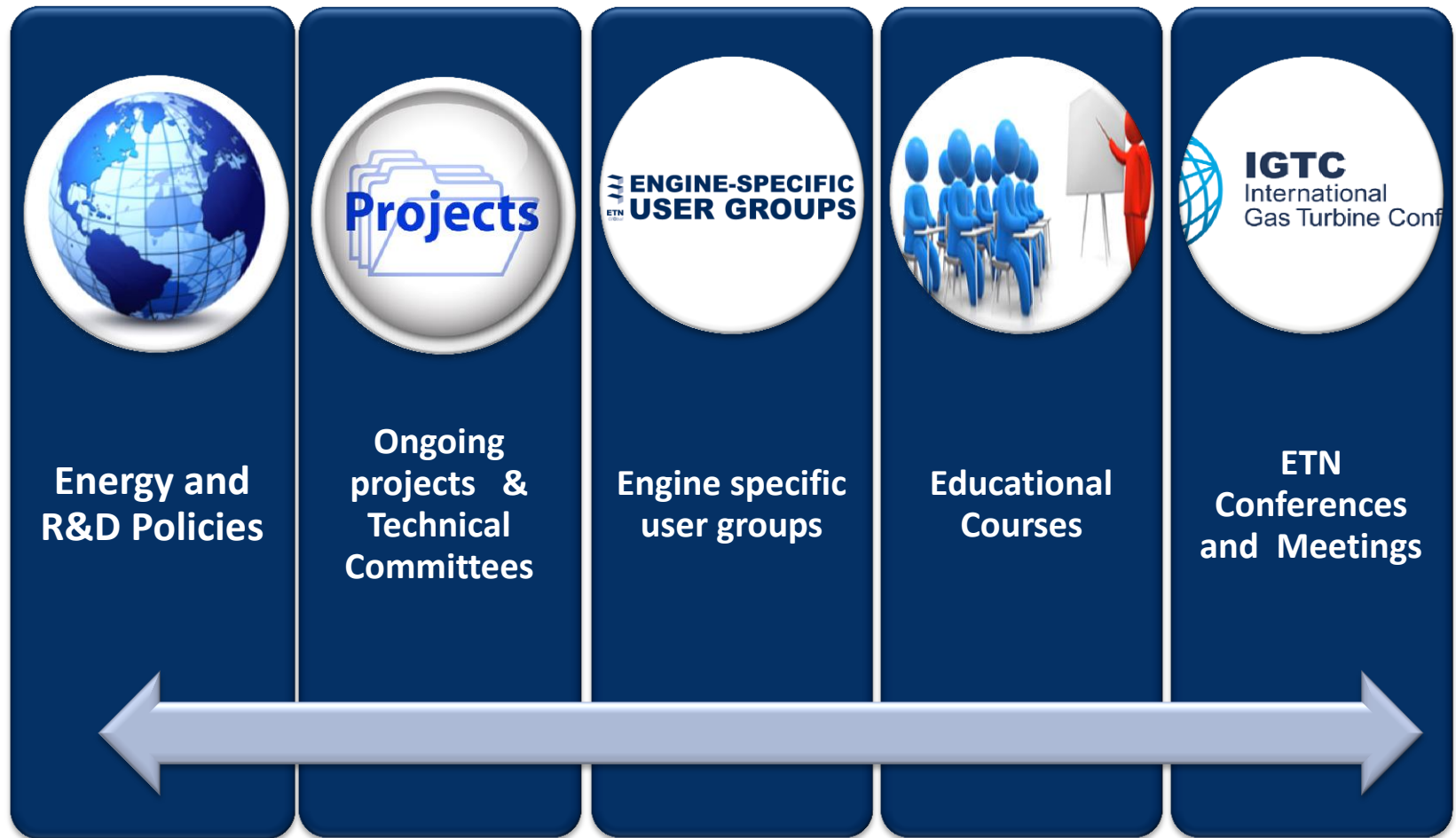
## Market Trends, Policy, Legislation

- ❖ Monitor market trends
- ❖ Influencing R&D energy policy (ETIP, SET-Plan)
- ❖ Monitoring and advising emission regulation
- ❖ Development and contribution to standards



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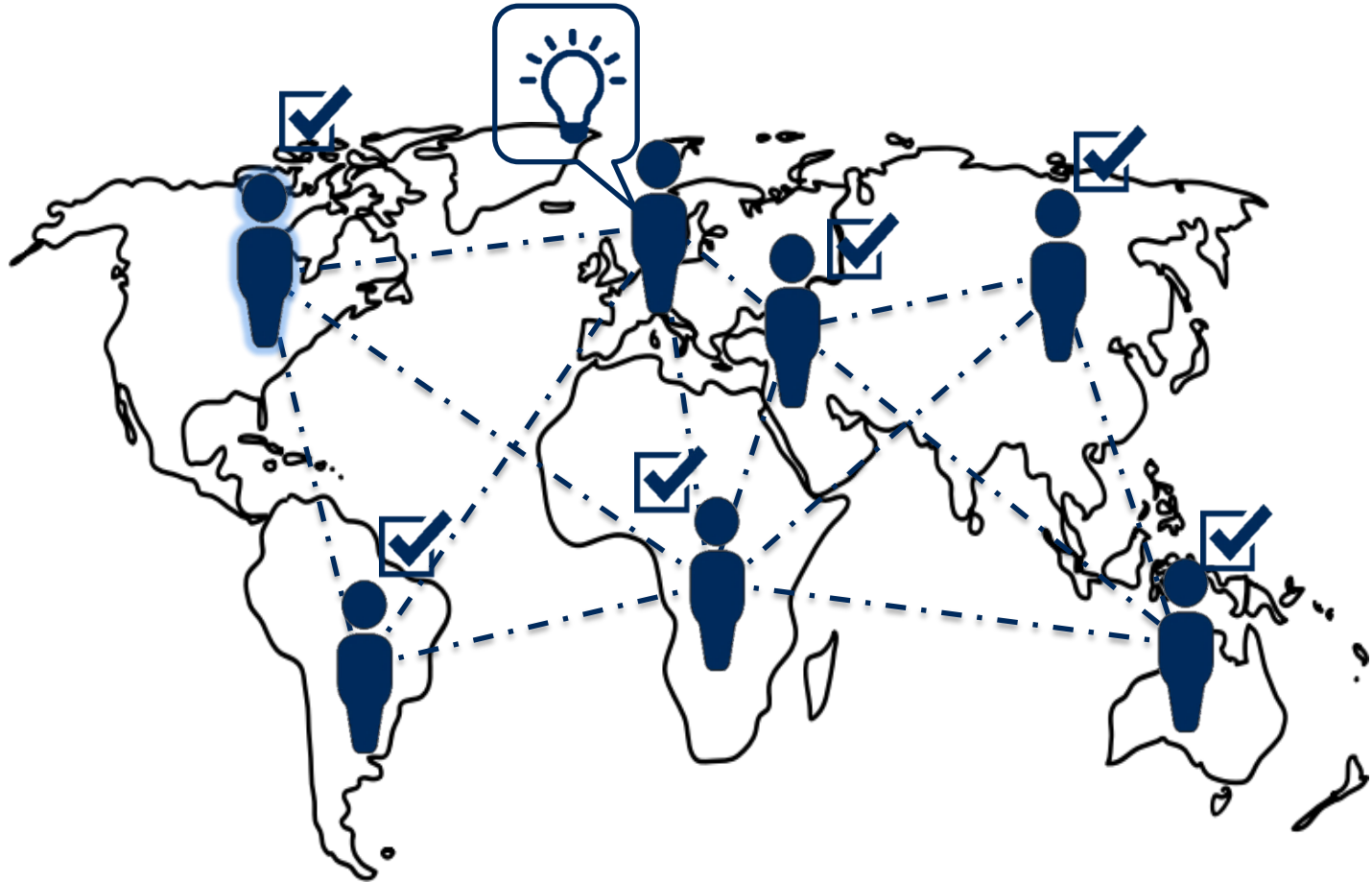
# ETN Activities

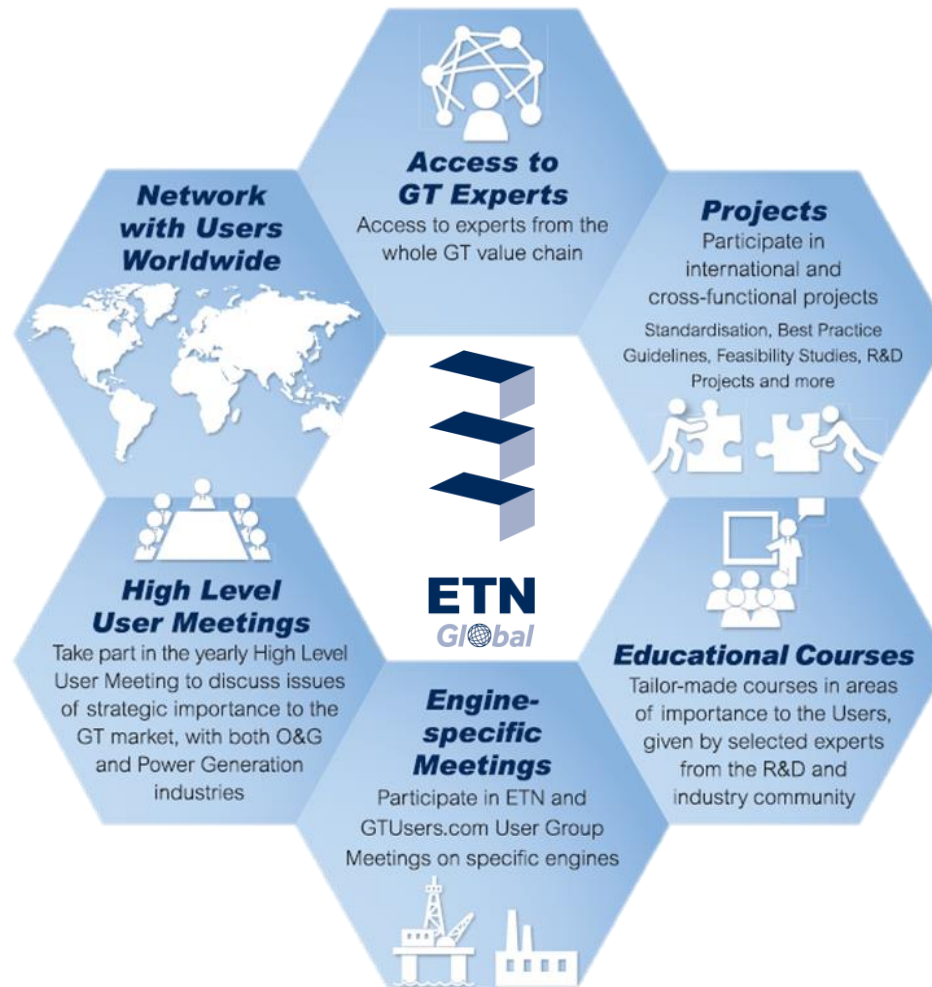




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# Sharing Experiences, Best Practices Standardisation Improving Together!





# Questions?

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