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# ETN Strategy Vision, Mission and Goals



# 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?



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# 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



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# Vision



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

# Mission

Encourage and facilitate information exchange, research and technology development in areas of importance to the user community



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# Goals

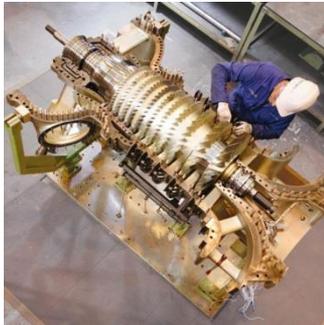


- ❖ Bring together the entire value chain of turbomachinery technology, worldwide
- ❖ Take cooperation to a new level for the benefit of all the stakeholders
- ❖ Highlight the most important technology development needs and requirements of the user community
- ❖ Provide a vision for our technology in a low-carbon 2030 scenario and a carbon neutral 2050 scenario
- ❖ Create and exchange knowledge & experiences
- ❖ Monitor and influence policy, legislation, standards and future technology developments in line with our strategic needs.

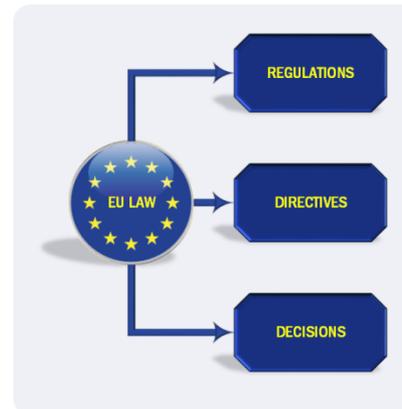
# Strategy

## Key Objectives

Operational issues  
and optimised operations



Market Trends,  
Policy, Legislation



Research and  
Development



# Key Objectives 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

## 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

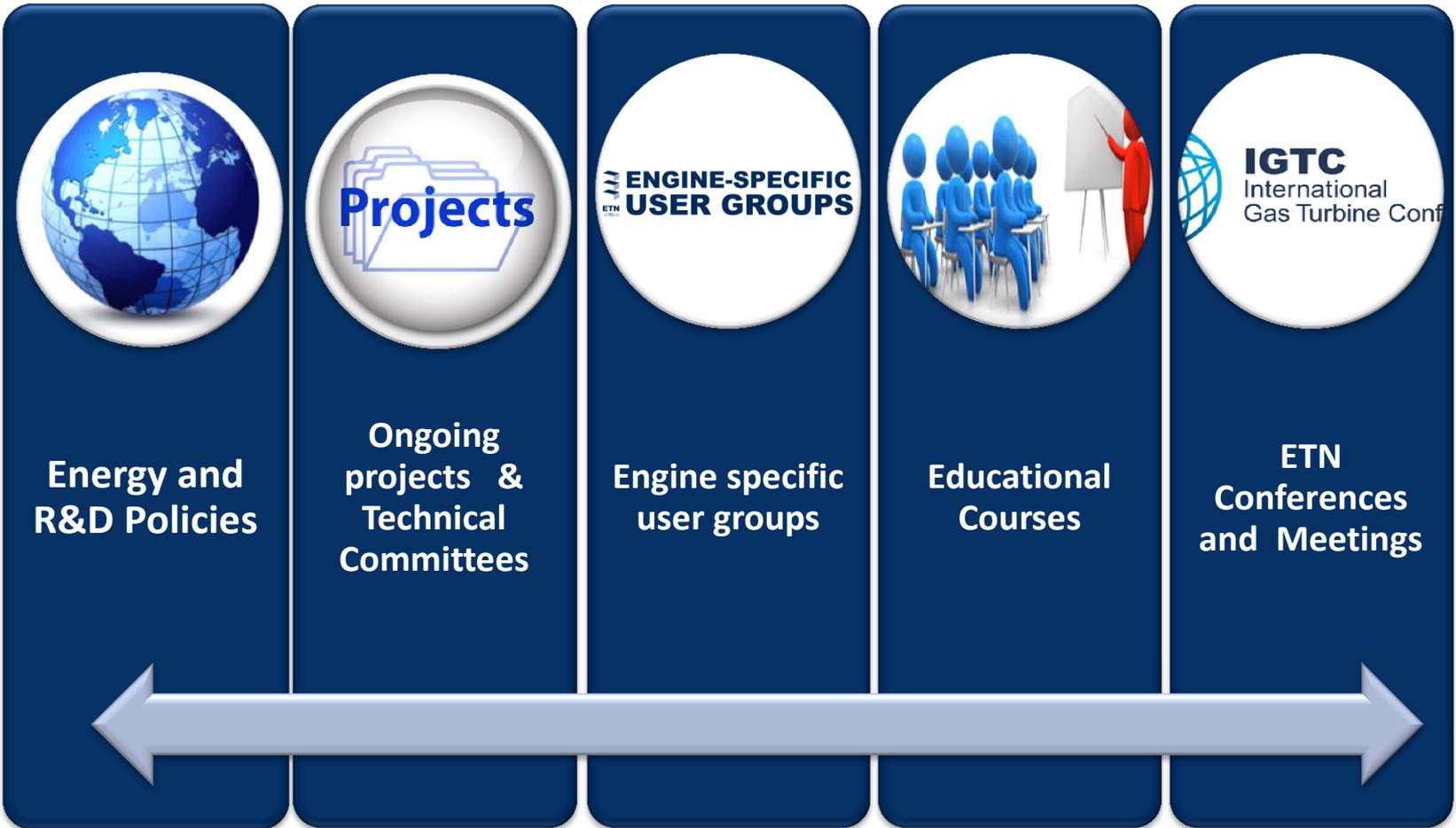
## Market Trends, Policy, Legislation

- ❖ 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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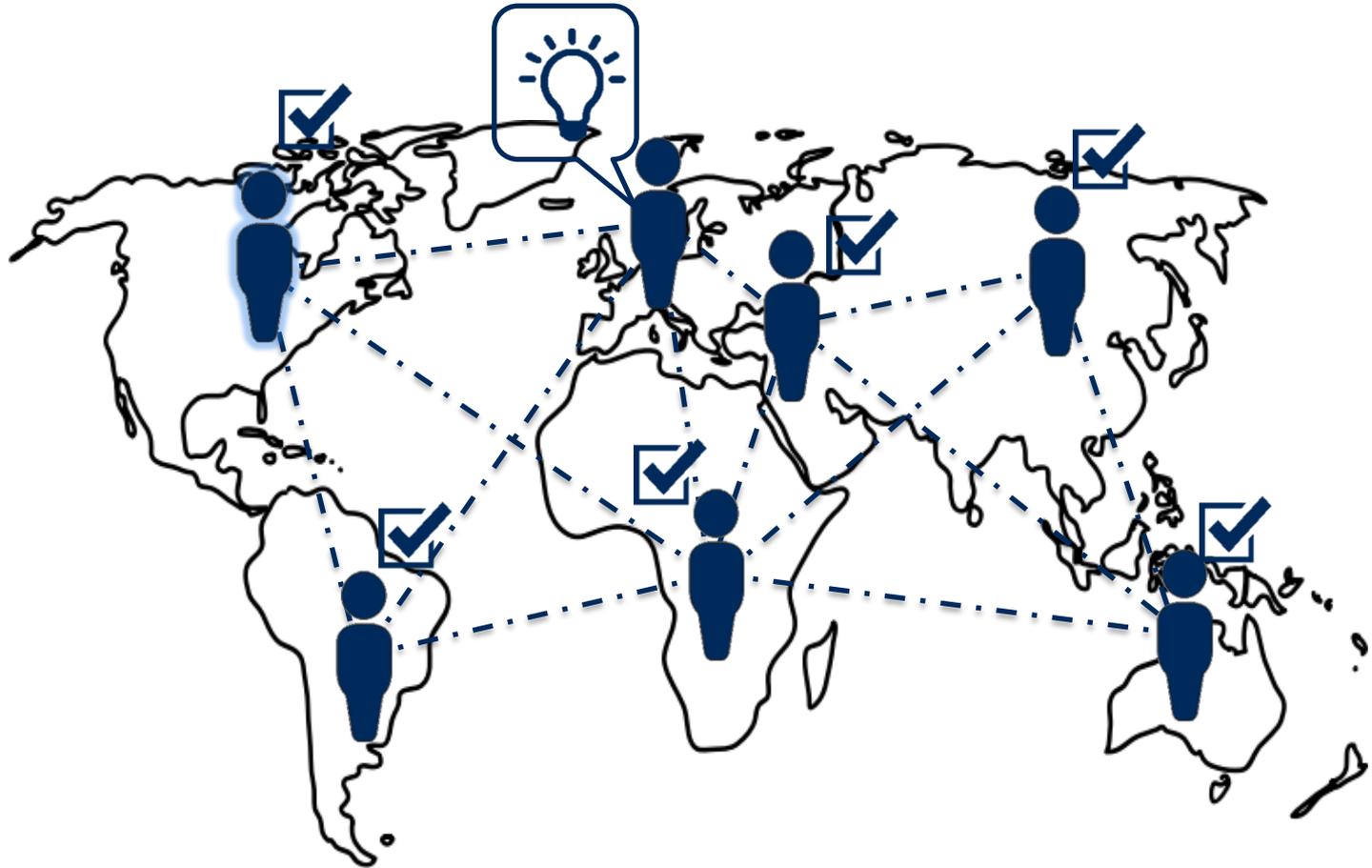
# ETN Activities

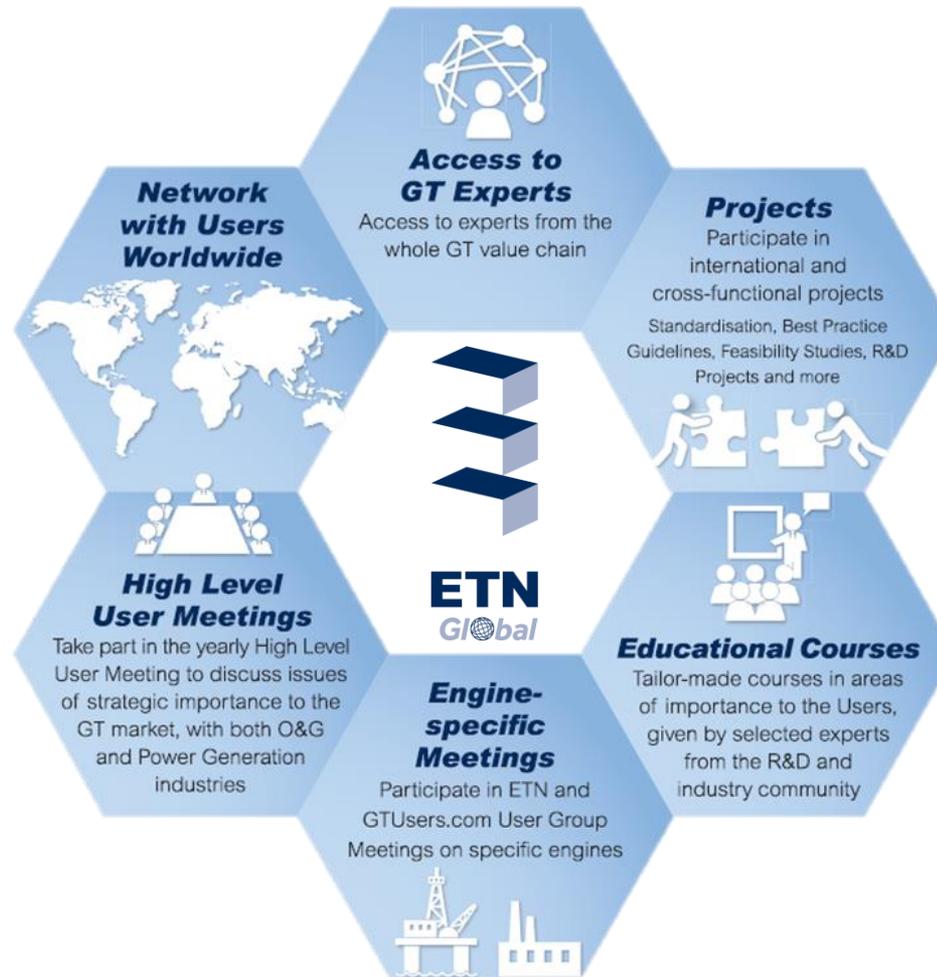




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# Sharing Experiences, Best Practices Standardisation Improving Together!





# Questions?

ETN Global  
Chaussée de Charleroi 146-148, 1060 Brussels, Belgium  
Tel: +32 (0)2 646 15 77, [info@etn-gasturbine.eu](mailto:info@etn-gasturbine.eu)