

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

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

Goals

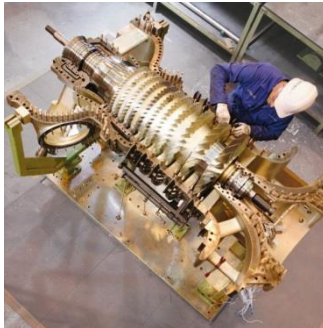


- ❖ Bring together the entire value chain of turbomachinery technology, worldwide
- ❖ Take cooperation to a new level for the benefit of all the stakeholders
- ❖ Highlight the most important technology development needs and requirements of the user community
- ❖ Provide a vision for our technology in 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.

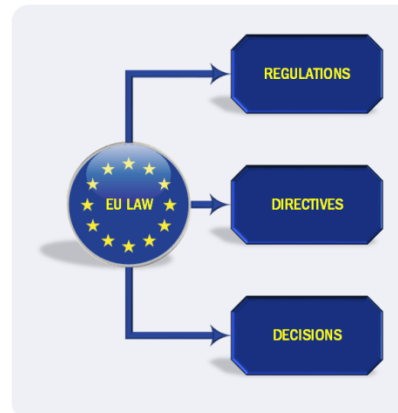
Strategy

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

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

Key Objectives

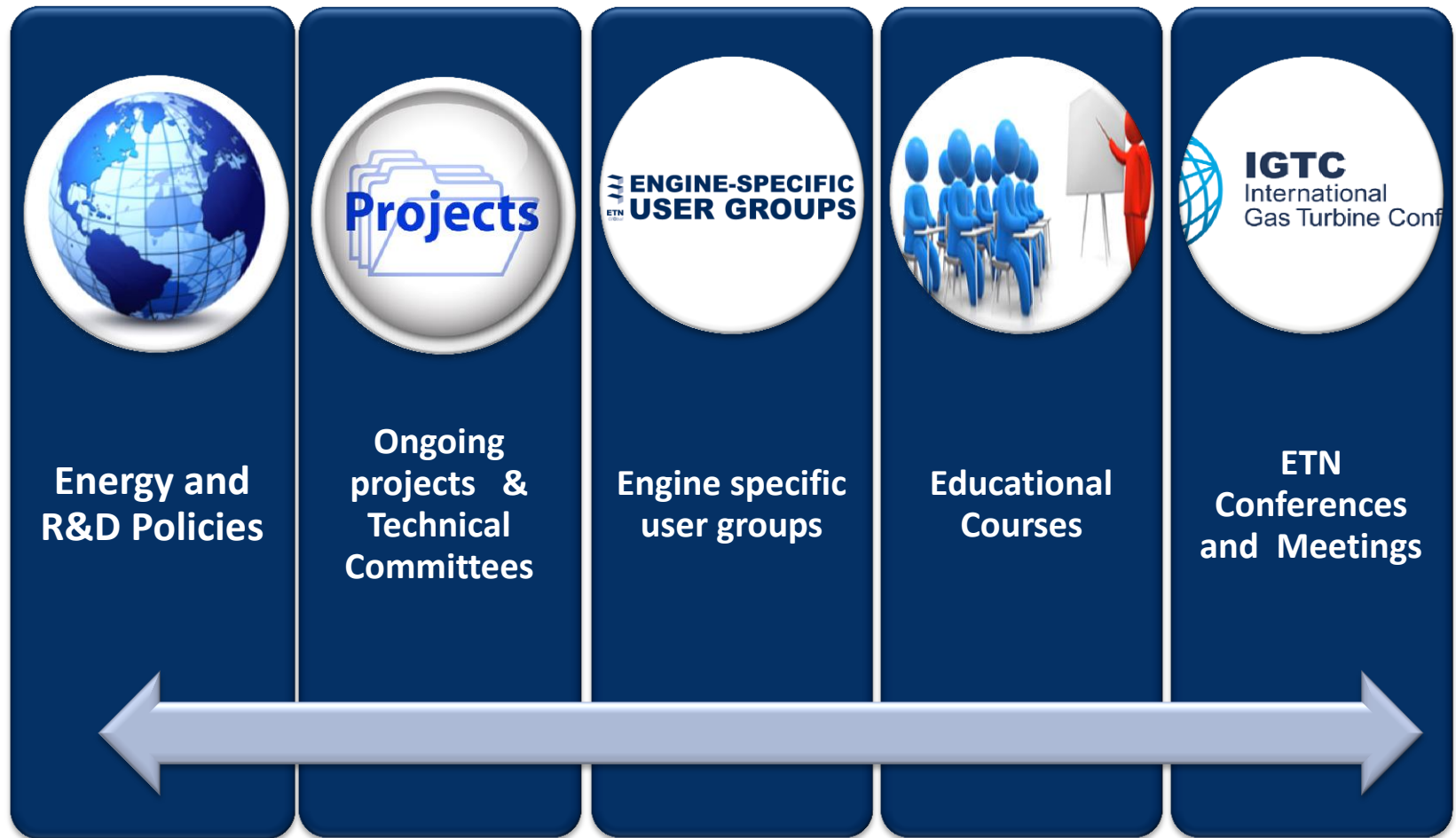
Market Trends, Policy, Legislation

- ❖ 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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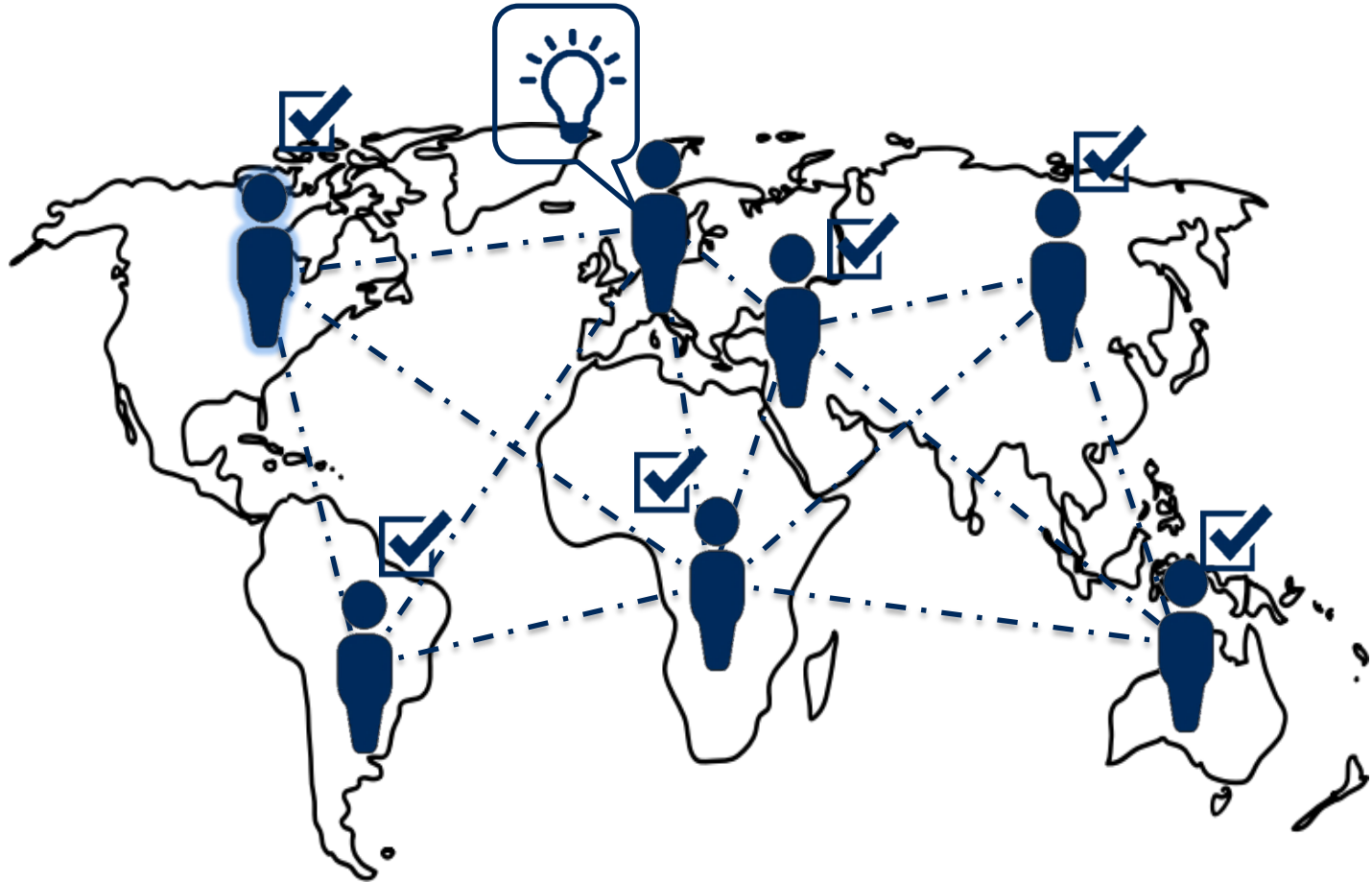
ETN Activities

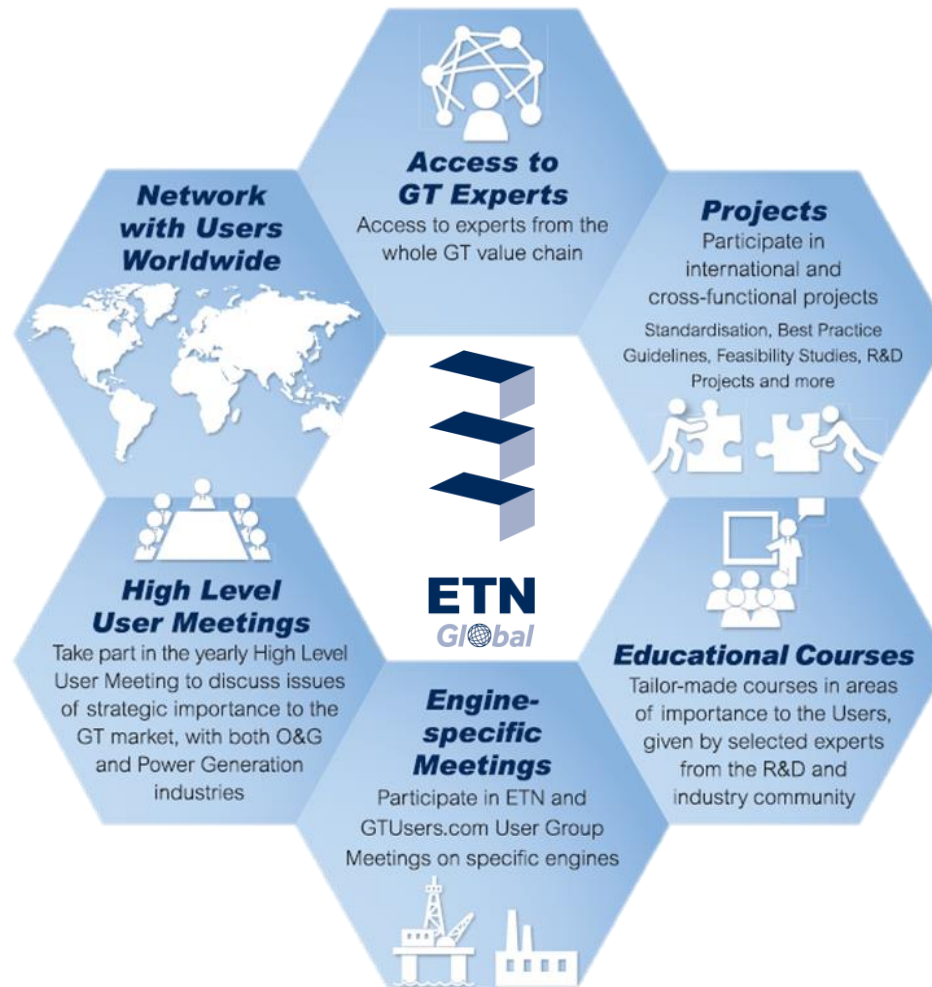




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Sharing Experiences, Best Practices Standardisation Improving Together!





Questions?

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