



ETN
Global

Working Group initiatives & objectives for 2025/2026

The Role of Gasturbines in the future energy system / Urgency and positioning					
WG Name	Hydrogen and Alternative Fuels	Chair	Peter Kutne (DLR)	Co-chair	Geert Laagland (Vattenfaal)
Project lead	TBD				
Core team	TBD				
ETN officer in charge	TBD				
Initiative description					
Short project description This taskforce should answer the question “How can gas turbines help to address the need and urgency for action to ensure security of supply in the future energy supply, and what specific advantages do they offer compared to other energy technologies?”					
Objective setting The project aims to assess the role of gas turbines in energy systems of the future, particularly in terms of their ability to ensure security of supply. It will address what advantages gas turbines offer over other technologies and how they can be implemented in practice to effectively address the need of transitioning to more sustainable energy systems. To answer these questions, the expected demand for electricity due to electrification and increasing share of renewables will be analysed. And the need for H2 ready flexible dispatchable power production capacity will be defined. Based on the different possible technologies the role of the gas turbines will be identified. The paper should also express the urgency, to start with implementation now, describing the necessary lead time for changes to take effect.					
Expected outcome Report.					
Implementation of the activities					
Project execution The project will be carried out by volunteering members of the hydrogen working group. An integration of the YEC might be beneficial regarding specific questions. It is expected that there is already material available at the OEMs and gas turbine users about that topic. Thus, the work of the group will focus on collecting and merging the information to develop a joined understanding and form one voice to the decision-makers. The amount of work for each member will be in the rage of 1-3 weeks, depending on the role and the specific task.					
Project finances No additional funding is required.					

Meeting schedule and dissemination <ul style="list-style-type: none"> • April 2025: Kickoff of the task Identification of the the main points to be addressed by the paper and to define a chapter structure and chapter groups by interested parties of the WG. • May to August at least monthly meetings for the core team to monitor progress • May to August regular meetings of the chapter groups to work on the chapter content • August, September review of the report document • Publication at the IGTC conference 			
Deliverables & Milestones (max. 1 per each objective)			
Deliverable 1	Paper ready for publication	Timing	October 2025
Explain briefly.			
Milestone 1	Content of the paper defined	Date	April 2025
Explain briefly			
Milestone 2	Paper ready for review	Date	August 2025
Explain briefly.			
Project timeline Please provide a simple planning with milestone and deliverables.			