

Panel session: ETN Global Working Groups – objectives and initiatives 2025-2026

Working Group Chairs

Project Board - Initiatives

WG	Proposed Objectives for 2025/2026	Leader	Criticality
AM	High temperature turbine blade alloy for additive manufacturing	Yogiraj Pardhi (Sulzer)	
	Productivity, quality, and transferability in additive manufacturing	Katrin Wudy (TU Munich)	Lack of funding
AF	Best practices document for air intake maintenance and inspection	Luke Thompson (AAF)	Members' interest
	ISO standard on pulse systems	TBD	
CCS	CCS CapEx and OpEx	TBD	Members' interest; resources
	CCGT efficiency penalty	TBD	Scoping
	Database on the CCS-gas turbines projects	Peter Jansohn (ETN Emeritus)	
	Master thesis on "Uncovering the economic tipping point between H2-based GTs and CCS-enhanced GTs"	Jean Bériot (Umons)	
	Report on CO2 optimal transportation for CCS-GT	TBD	Members' interest; resources
	CCS taskforce webinar series	Nicolò Cairo (ETN)	
DES	To be replaced by "Energy Integration" WG. Steering committee currently being established in March 2025	Peter Breuhaus (NORCE)	Scoping

WG	Proposed Objectives for 2025/2026	Leader	Criticality
DIG	Disseminate state of the art and best practices of digital solutions for rotating machinery for power industry	TBD	Members interest; resources
LTAE	Rotor Lifing (Engine Specific)	TBD (it will be temporarily led by Antonio Escamilla (ETN) and Siavash Pahlavanyali (RINA))	
	Impact of service aging on ductility of IN718, IN706 and Nimonic 901 rotor superalloys	Siavash Pahlavanyali (RINA)	Members interest; resources
	TBC life assessment of service exposed F-J-H class engine parts	Luc Gooren (ENGIE)	Members interest; resources
	Interpretations of parts inspections – Series of Webinar	Antonio Escamilla (ETN)	
H2	Hydrogen enclosure safety task force – project proposal Hydrogen readiness	Chris Dagnall (DNV)	
	Hydrogen readiness	Jan Van Den Auweele (ENGIE) (TBC)	Resources; commitment
	The role of gas turbines in the future energy system / urgency and positioning	TBD	Resources; commitment
sCO2	White paper on sCO2 European large demonstrator	David Sanchez (Uni Sevilla)	Members' interest
	CAPEX estimation for an sCO2 offshore application	Matteo Baggiani (Sime)	Members' interest; resources
	sCO2 webinar series	Marco Ruggiero (BH)	
EXT	Profitability of Thermal Assets	TBD	Resources; commitment