Brussels, 26 November 2021

Dear ETN member,

As the President of ETN, together with our Managing Director, I would like to highlight some of ETN's achievements this year and announce our plans for 2022.

It has been a busy year, with many ongoing activities, advancing towards our common vision: safe, secure, affordable and dispatchable carbon-neutral energy solutions by 2030, implemented globally by 2050. As highlighted in our recent vision publication, gas turbine dispatchability, decarbonisation options and power density, together with a wide range of applications across many sectors offer great potential to enable and support the present and future power needs. Gas turbine technology development opportunities and sustainable energy system demonstration needs in turn are presented in ETN's new R&D Recommendation Report, an excellent report that our Project Board prepared over the last year.

In addition to our continued virtual meetings within ETN's Working Groups, Engine-Specific User Groups, and R&D projects, ETN held again several virtual events and webinars, enabling knowledge sharing and providing networking opportunities for our members. During ETN's annual High-Level User Meeting, the user community highlighted the important role of gas turbine technology for their decarbonisation strategies. However, the users emphasised that further integration and technology advances will be required for the existing fleets and for the next generation of gas turbines, together with a wide range of gas turbine decarbonisation solutions for different markets and applications, as one solution does not fit for all needs.

Although ETN's 10th International Gas Turbine Conference *"Gas turbines in a carbon-neutral society"* took place virtually this year, we succeeded to bring together over 200 participants from around the world. The conference provided the opportunity to hear the latest forecast, to be briefed on ongoing projects and decarbonisation strategies from policymakers and industry leaders, learn from the technical experts who presented the latest technology developments, and meet with the wider gas turbine community via our virtual networking platform.

We have started to develop a portfolio of R&D projects with key research areas for ETN, including the new CO2OLHEAT project, ROBINSON and FLEXnCONFU projects, and the Additive Manufacturing (L-PBF) Machine Evaluation Initiative. This year ETN launched also a new Decentralised Energy Systems Working Group to explore decentralised energy solutions, where dispatchable gas turbine technology in a system approach can provide secure, reliable and efficient power and heat solutions in a sustainable way. There are many interesting activities within our Working Groups, for example our new initiative to develop a gas turbine

enclosure safety standard for natural gas/hydrogen mixtures or pure hydrogen, or the Supercritical CO_2 Working Group, which covers the whole value chain of the sCO_2 power cycle use and aims to act as a platform for ongoing global demo projects.

We are constantly monitoring policy developments, as well as the needs of the gas turbine user community, to develop a portfolio of solutions. The strength of ETN is the close relationship with the user community and the policymakers. We have seen the value of this, and our aim is to strengthen these relationships even further. Our key objective for 2022 is to widen the user community and ensure the users' active involvement in ETN, coordinating their needs and requirements. We need to rely on a wide and close cooperation to ensure that we overcome the technical barriers in the most cost-efficient way. Besides ensuring the long-term policy support, we also need to have the involvement by young and motivated engineers, such as ETN's Young Engineers Committee members.

ETN is gaining recognition globally, and we have become the voice of the whole gas turbine value chain. Our intention is to provide the platform on a global scale to exchange experiences, which will be crucial to accelerate the gas turbine transition. For 2022, we have started to prepare a versatile programme of activities, which includes more regular Working Group-, User Group- and project meetings, with teleconferences as well as physical events planned. We look forward to meeting with our members in person but will still provide the opportunity for virtual participation in case there will be restrictions for travel in the upcoming year.

ETN's Annual General Meeting (AGM) and Workshop will be held in March 2022, AGM as a hybrid meeting and Workshop with physical participation. This will be an important event, as the new ETN Board for 2022-2024 will be elected during the AGM. Our SGT-A35 and LM2500 User Groups will hold their annual meetings in May/June 2022. We also look forward to an interactive two-day Workshop in October 2022, hosted at one of our members' premises. The preliminary version of ETN's calendar for 2022 has been published so that you can already add some of the planned meetings to your agenda. We invite you and your colleagues to widely participate in our Working Groups, projects, meetings and events, as the success of ETN is built on active participation and contributions of our members.

We would like to thank you again for your support in 2021 and look forward to a close cooperation with you in 2022 and the years to come.

Sincerely,

Pedro Lopez, ETN President
Chief Operating Officer – Asset Operations
Uniper

Christer Björkqvist
Managing Director
ETN