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PRESS RELEASE: Turbomachinery community demonstrates a strong commitment to meet UN energy & climate targets

ETN's International Gas Turbine Conference, 10-11 October 2018, Brussels, Belgium

Responding to publication of the UN's Intergovernmental Panel on Climate Change (IPCC) Special Report on the impacts of Global Warming of 1.5°C, energy technology providers, research & development (R&D) and end user community attending ETN's [International Gas Turbine Conference](#) (IGTC) expressed collective support for development of effective, cost efficient integrated solutions to keep global warming below 1.5°C degrees.

Keynote presentations at IGTC 2018 highlighted that turbomachinery technology, and in particular gas turbines will make a significant contribution to a global low emission pathway thanks to low emission systems, high efficiency and flexible load response to balance intermittent renewable energy such as wind and solar. Hydrogen from steam reforming of natural gas or from the gasification of renewable solid fuels and municipal waste together with Carbon Capture, Utilisation and Storage (CCUS) schemes, and in the future also hydrogen being produced from water electrolysis powered by excess renewable electricity, will further reduce the carbon footprint to (near) zero. The combination of the diverse fuel sources mentioned will also provide the required security of supply for future scenarios with large amounts of renewable energy. It was also highlighted that large scale availability of hydrogen will be a key driver in decarbonising heat and energy intensive industries.

Technical papers presented at IGTC 2018, together with ETN's newly published [R&D Recommendation Report](#) provide numerous pathways to the development of carbon-neutral turbomachinery solutions required in a global energy mix. *"Current and future investments along the pathways outlined will enable significant contributions to achieve the energy and climate targets during the energy transition phase and beyond. It will ensure dispatchable power needs can be met as efficiently as possible and bringing us closer to cost-efficient carbon-neutral energy system solutions"* stated Peter Jansohn, PSI, Chair of ETN's Project Board and coordinator of the R&D Recommendation Report.

During IGTC 2018's keynote session "Technology Developments for a Low-Carbon Society", the Original Equipment Manufacturers (OEMs) presented different gas turbine technology developments that in an energy system approach would enable and accelerate the transition to a carbon neutral energy future.

The quality of presentations delivered at IGTC 2018, and positive engagement of all stakeholders within ETN, demonstrates the commitment of the turbomachinery industry to provide integrated systems that contribute to a global energy solution. ETN's President Bernard Quoix of TOTAL, stated *"the accumulated turbomachinery knowledge and a wide cooperation among all ETN stakeholders will help to accomplish the steep emission reduction curve needed to keep global warming below the 1.5°C target"*.

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ETN Global is a membership association bringing together the entire value chain of the gas turbine technology community globally. Through cooperative efforts and by initiating common activities and projects, ETN facilitates turbomachinery research and technology development for environmentally sound gas turbine technology with reliable and low cost operation.