Press Release
Micro Gas Turbines in European Energy Scenario

Brussels, 31 March 2016

ETN has created a working group for Micro Gas Turbine (MGT) technology that includes over 30 organisations from the whole MGT value chain, whose objectives are to explore and identify cooperation opportunities for technology developments. As part of the MGT working group's activities, ETN organised a high level meeting *"MGT in the European Energy Scenario"* on 18 March 2016 in its offices in Brussels.

In total 22 participants joined the meeting including representatives of the European Commission (Andreea Strachinescu, Head of Unit New energy technologies, innovation and clean coal and Kyriakos Maniatis, Bioenergy Expert, both from DG Energy and Piero De Bonis, Research Programme Officer from DG Research). Industry stakeholders also joined the meeting including AEBIOM (Biomass Association), COGEN Europe (Cogeneration Association) as well as MGT technical experts from the industry (Ansaldo, ACTE, Bosal, Compower, MTT) and from R&D institutes and universities (RSE, Cranfield University, City University London, IRIS, University Roma Tre and University of Genova).

The objectives of the meeting were to highlight how a MGT integrated with Renewable Energy Sources (RES) can help in achieving the EU 2030 climate and energy targets. The objective was also to define medium & long-term research issues (generic but specific in nature) for the integration of MGT and RES.

As the EU strengthens its climate and energy legislation, the MGT sector is offering sustainable solutions that can help the EU to reach its ambitious energy and climate targets by 2030. Christer Björkqvist, ETN Managing Director stated that "*MGT is an attractive technology that can help the EU in its transition towards a low carbon technology. It is a technology that has a promising future."*

Ugo Simeoni, Technical Project Manager at ETN said that *"in the short term, MGTs can integrate RES into the energy system by absorbing the fluctuations of the RES in the grid and by using natural gas, biogas, industry waste gas or landfill gas. In the long term, MGTs can support the EU in the decarbonisation of the energy system and to the full deployment of RES in the grid as there are hybrid MGT applications that can assure high utilisation of RES and ensure security of energy supply thanks to the use of natural gas or other gas if needed."*

The MGT working group is currently drafting a MGT technology summary that aims to be a reference for MGT technology and to highlight opportunities and benefits of further research and development for the integration of MGT technology with RES. The report will provide a full understanding of how the MGT integrated with Combined Heat and Power (CHP) and RES such as biomass and Concentrated Solar Power (CSP) could contribute in reaching the EU 2030 targets. The document will include an overview of the MGT technology, its applications in the energy sector and the technical challenges that need to be addressed in order to develop the technology further. It will also include some information on the impacts and contribution to the EU energy targets. The first draft of the report should be finalised in the course of the summer.

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About ETN: The European Turbine Network is a non-profit membership association bringing together the entire value chain of the gas turbine technology community. Through cooperative efforts and by initiating projects, ETN optimises gas turbine research and technology development and promotes environmentally sound gas turbine technology with reliable and low cost operation.