

ETN Monthly News Summary – May 2014

INDUSTRIAL EMISSIONS DIRECTIVE (IED) FOR LARGE COMBUSTION PLANT (LCP)

The Best Available Techniques Reference document (BREF) under the Industrial Emissions Directive (IED) is in the final stage of drafting and organisations have until the middle of the year to provide comments and concerns to be considered in the draft document. In an earlier teleconference call (25 April), ETN's IED Committee emphasised on the importance to have gas turbine related issues present on the agenda of the intermediate Technical Working Group (TWG) meeting on 17-18 June 2014 in Seville, where Tomas Alvarez (Endesa) and Neil Dawson (National Grid) will attend on behalf of ETN. A statement and a presentation based on the technical input and data provided by the OEMs and the utilities are currently being prepared by the group in order to submit them to the European Integrated Pollution Prevention and Control Bureau (EIPPCB) ahead of their meeting in June. ETN is also working closely with EUTurbines and Marcogaz in order to have a coordinated approach and to strengthen our messages.

GAS TURBINE ENGINEERING CPD PROGRAMME

As part of **ETN's educational programme and new market outside Europe**, a series of gas turbine short courses are being organised. The upcoming course will take place on 11-15 January 2015 in Dubai, UAE, organised by Cranfield University, in association with ETN. There are three courses available:

- Introduction to Gas Turbines and Performance
- Aspects of Gas Turbine Technology
- Gas Turbine Technology for Operations and Maintenance Engineers

The course is dedicated to operators located in the Middle East and Asia. ETN members are entitled to a 10% discount on the course fee. For more information on the structure and content of each course, please visit the course's website by [clicking here](#).

ETN NEW ARTICLES OF ASSOCIATION

At the Annual General Meeting in Paris on 2 April 2014, the General Assembly voted on the Board's proposed changes to the Articles of Association. **The new Articles of Association have been approved by the Belgium legal authorities and have been published in the Moniteur Belge**, the Belgium official newspaper publishing legal documents. The new Articles of Association are now available on the [ETN website](#).

7th INTERNATIONAL GAS TURBINE CONFERENCE (IGTC) 2014, 14-15 OCTOBER 2014

Registration: The [preliminary IGTC-14 agenda](#) is now available on the [event webpage](#) and will be updated regularly. Registration will open shortly in June.

Sponsorship opportunities: There are still some [sponsorship opportunities](#) available for the 7th International Gas Turbine Conference, to be held on 14-15 October 2014! The following organisations have decided to take this opportunity and will be sponsors of the IGTC-14: **GE Oil & Gas** (Gold Sponsor), **MTU Maintenance** (Silver Sponsor), **EthosEnergy** (Bronze Sponsor), **VBR Turbine Partners** (Exhibitor/Bronze Sponsor) and **Turbine Technics** (Exhibitor/Bronze Sponsor). Please contact the [ETN office](#) should you be interested in promoting your organisation at the IGTC-14.

TECHNICAL COMMITTEE AND PROJECT UPDATES

H₂-IGCC Final Meeting: On 13 May 2014, the consortium partners met in Brussels, Belgium for the final meeting to discuss the results of the past 6 months and to discuss the finalisation of the project. The SP leaders highlighted that the combustor for H₂-rich fuel has been designed and successfully demonstrated,

material tests have paved the way for the use of new TBCs suitable for H₂-rich fuel, the component modifications to compressor and expander has been made to facilitate the use of H₂-rich fuel and finally, the optimised system layout and techno-economic evaluation of the H₂-IGCC plant has been performed. A summary of the [first year](#), [second year](#) and [third year](#) results are available on the www.h2-igcc.eu website along with a general overview of the project. The public dissemination of the project will take place at the 7th International Gas Turbine Conference, set to take place on 14-15 October 2014 in Brussels, Belgium.

New Technical Committees Chairpersons: At the October Workshop 2013, the Project Board recommended to have at least two Chairpersons for each Technical Committees (TC), respectively one representative from the industry and one/two representative from the R&D community. Please find below the list of appointed Chairpersons per Technical Committee:

TC1: Low Carbon Gas Turbine Operation

- Chair: Mohsen Assadi, University of Stavanger
- Co-chair: Chris Lappee, Vattenfall

TC2: Operational and Fuel Flexibility

- Chair: Jean-Louis Vignolo, GE Power & Water
- Co-chair: Yannis Hardalupas, Imperial College London

TC3: Material Degradation, Repair Technologies and Manufacturing

- Chair: Ron van Gestel, Chromalloy
- Co-chairs: Daniel Mack, Julich Research Centre and Nigel Simms, University of Cranfield

TC4: Condition Monitoring and Instrumentation

- Chair: Chris Dagnall, GL Noble Denton
- Co-chair: Herwart Hönen, RWTH Aachen University

TC5: Asset Management

- Chair: Pascal Decoussemaeker, Alstom
- Co-chairs: Christoforos Romesis, NTUA and Giuseppina Di Lorenzo, University of Cranfield

ETN Project Outlines: Prior to the ETN Workshop on 3 April 2014, ETN collected [project outlines](#) of projects and initiatives which would be discussed during the Workshop. For the full report on these projects and for the outcome of the discussions that took place during the AGM and Workshop, please refer to the [AGM and Workshop's minutes of meeting](#). If you would be interested to participate in any of the projects and initiatives included in the report, please contact the ETN office and indicate which initiative you would be interested in and your potential contributions.

EU POLICY UPDATES

UK-Poland shale gas study: The British and Polish governments have commissioned an independent study on the potential impacts of shale gas in the two countries and its implications for the whole EU. The study is set to be published before the end of the year. For more information, please [click here](#).

Potential energy efficiency binding target for 2030: The EU's energy commissioner, Günther Oettinger, has called for a new legally-binding proposal this autumn to cut energy use by 2030, as a way of cutting Europe's dependence on Russia for a third of its oil, and 39% of its gas supplies. Back in January 2014, the European Commission (EC) proposed a binding 40% greenhouse gas reduction objective compared to 1990 level and an EU-wide target of 27% for renewables by 2030. However, the EC did not include a target on energy efficiency as it would be implemented through the Energy Efficiency Directive, which is set to be reviewed in June 2014. It is still unknown whether the target would be binding on EU or national level and the energy efficiency level target the EC is currently considering has not been published yet. For more information, please [click here](#).



PLEASE NOTE THE FOLLOWING UPCOMING GT EVENTS

Events:

- [Power-Gen Europe](#): 3-5 June 2014, Cologne, Germany (*ETN is a participating organisation and ETN members are entitled to a special discount*)
- [ASME Turbo Expo](#): 16-20 June 2014, Düsseldorf, Germany (*ETN is a participating organisation and ETN members are entitled to a special discount*)
- [Intermediate informal meeting of the TWG](#) for the review of the Reference document on Best Available Techniques for the Large Combustion Plants (LCP BREF): 17-18 June 2014, Seville, Spain
- [CFD Course in Turbomachinery](#): 25-27 June 2014, London, UK (*organised by City University London*)
- [ETN's International Gas Turbine Conference \(IGTC\) 2014](#): 14-15 October 2014, Brussels, Belgium
- [Gas Turbine Engineering CPD programme](#): 11-15 January 2015, Dubai, UAE (*organised by Cranfield University, in association with ETN. ETN members are entitled to a special discount*)

ETN internal meetings:

- **OMSoP consortium meeting**: 5 June 2014, Stockholm, Sweden
- **Project Board meeting**: 6 June 2014, Stockholm, Sweden
- **ETN Board meeting**: 9 July 2014, Brussels, Belgium

ETN's News Summary is distributed internally to ETN members at the end of each month.

ETN's Quarterly Newsletter is circulated to members and external contacts every quarter. The next edition will be July-September 2014.