

ETN Monthly News Summary – October 2015

ETN WORKSHOP 2015: PRESENTATIONS AND PICTURES AVAILABLE

The ETN Workshop took place in Madrid, Spain on 21-22 October 2015. 74 participants joined the event to discuss on-going projects and initiatives in ETN's individual Technical Committees.

Presentations and pictures are now available on the ETN website. You can access them by [clicking here](#) (you need to be logged in on the ETN website). If you do not have an account for the ETN website, you can create one [here](#).

Report: The Workshop report will be available shortly and will include a summary of all initiatives and projects discussed in the Technical Committees.

USER MEETING

A user meeting took place prior to the Workshop and brought on the ETN platform key issues of interest to the users. Representatives from Total, Shell, Engie (GDF Suez), E.ON Technologies, EDF, SSE, Enel, Endesa, Gas Natural Fenosa, Abengoa and Repsol participated to the meeting. The summary report will be available shortly on the ETN website.

UPDATE OF THE R&D RECOMMENDATION REPORT

ETN's [R&D Recommendation report 2014](#) will be updated by the Project Board early in 2016. Please review the report and submit your comments and suggestions for the second edition of the report until 18 December 2015. The ETN office will then provide the information received to the Project Board for their consideration. You can send your comments directly to Ugo Simeoni, ETN's Technical Project Manager at us@etn-gasturbine.eu.

CALL FOR PAPERS – 8TH INTERNATIONAL GAS TURBINE CONFERENCE (IGTC)

The deadline for the Call for Papers for the 8th IGTC-2016 is approaching: 13 November 2015.

Review Papers giving a comprehensive technology overview of the past two years or **Case Study Papers** describing recent experiences as well as **Technical Papers** describing technology advances and innovative solutions are welcome in the following technical areas:

- **Flexible Operation & Fuel Flexibility**
- **Materials**
- **Plant and System Integration**
- **Turbomachinery**
- **Power Generation Operator Priorities**
- **Manufacturing and Repair**
- **Oil & Gas Operator Priorities**
- **Combustion**

The International Gas Turbine Conference is organised biennially and aims to raise the awareness of gas turbine (GT) technology development needs – from both oil & gas and power generation operators' perspectives - and to provide the opportunity to meet and exchange ideas with policy makers and GT experts from the whole value chain attending from Europe, America, Middle East, and Asia. The conference will highlight the energy market outlook in Europe and in key markets globally, as well as to present and discuss on-going R&D activities on flexible, efficient and environmentally sound gas turbines.

For more information about the topics and the submission procedure, please see the [Call for Papers](#) or contact the ETN office.

SPONSORSHIP OPPORTUNITIES - 8TH INTERNATIONAL GAS TURBINE CONFERENCE (IGTC)

The sponsorship opportunities for the IGTC-2016 to be held in Brussels on 12-13 October 2016 are now available! As a member of ETN you have preferential access to the various sponsorship packages that are available for the IGTC-16, before they are opened to the wider gas turbine community in 2016. We offer several Sponsorship Packages, as well as flexible options that should correspond to your specific needs for visibility.

Already confirmed sponsor: Mitsubishi Hitachi Power Systems will be the IGTC-16 Gold Sponsor!

Be an exhibitor! The IGTC-16 will take place in a different and more spacious venue (The Plaza in Brussels) in order for the exhibitors to have higher visibility and more interaction with the participants. The exhibitors' area will be located in the conference lobby where all coffee breaks will take place.

You can view the Sponsorship Information Package by [clicking here](#). Please contact the ETN office should your organisation be interested in sponsoring or in being an exhibitor at the IGTC-2016.

NEW ETN MEMBERS

We warmly welcome **W.L Gore & Associates** (Germany) and **Abengoa** (Spain) as new members of ETN. ETN is also delighted to announce the membership of **ADGAS** (United Arab Emirates), the first ETN Affiliate Member joining the platform and we look forward to working with them in the future. Including the latest members, ETN has now 106 members from 18 countries.

NEW ETN STAFF

Welcome David! David Bosak joined the ETN team in August as an assistant via the exchange programme between ETN and Cranfield University. He is currently pursuing a PhD degree at Cranfield University, where his research focuses on improving operational flexibility of Combined Cycle Power Plants as required by the current market conditions. He previously completed an MSc in Gas Turbine Technology also from Cranfield University. David is actively getting involved in the gas turbine community, and will be with us until the end of his PhD in November 2016. He is fluent in Polish and English and has a beginner level in Mandarin. "It is interesting to witness the change in direction our industry is currently experiencing. Being part of ETN not only gives me the wonderful opportunity to take a role in this change, but also makes me feel that I have joined the community that is standing at the forefront of the future - continuously in search of new ideas and techniques."

TECHNICAL COMMITTEE AND PROJECT UPDATES

Micro Gas Turbine (MGT) Project: On 8 October, the MGT Working Group (WG) met in Brussels to discuss the main challenges for the technology and address the funding opportunities within Horizon 2020 funding programme. The MGT WG was divided into five subgroups to tackle each challenge: Fuel Flexibility, Materials, Recuperators, Efficiency and Cycle. The minutes of meeting and related documents can be found on the [MGT Project webpage](#) of the ETN website (*you need to be logged in on the ETN website*).

Air Filtration Project: On 27 October, members of the Air Filtration Project met in Brussels to discuss the part 2, 5 and 6 of the ISO-29461 standard and the comments submitted by the Working Group's members. Peter Hall (E.ON Technologies) presented the main concerns raised at the Amsterdam's meeting ([MoM available on the website](#)) and further comments were provided in relation to part 2, 5, and 6 of the ISO standard. Project members also discussed the proposal to define and perform an independent air filtration tests on a model scale test rig at a research institute to test air filters in an environment closer to real operational GT conditions. The first step would be to define the testing method and then to perform the test on a standard filter of the shelf. It was agreed to invite research institutes with the appropriate testing facilities to the discussion.

POLICY UPDATES

Air Quality Directive: Medium Combustion Plant Directive: On 7 October, the EU emission limits for medium-sized combustion plants (sulphur dioxide and nitrogen oxide) proposed by the European Commission were backed by Members of the European Parliament. The new limits still need to be formally approved by the EU Council of Ministers before they can take effect.

For new plants, the limits would take effect within three years. For existing ones, with a thermal output above 5MW, the maximum emission values for sulphur dioxide (SO₂), nitrogen oxides (NO_x) and dust, as proposed by the European Commission, would come into force from 2025. The smallest plants, with a thermal input from 1 to 5 MW, most of which are operated by small or medium-sized enterprises, would have to comply with emission limit values from 2030. The legislation does not prevent member states from enforcing tougher standards than are required by the directive.

PLEASE NOTE THE FOLLOWING UPCOMING GT EVENTS

ETN internal meetings:

- **OMSoP Consortium Meeting:** 25-26 November 2015, Stockholm, Sweden
- **ETN Board meeting:** 6 January 2016, Brussels, Belgium
- **IGTC-16 CAB meeting:** 27 January 2016, Brussels, Belgium
- **ETN Project Board and TC Chairs meeting:** 28-29 January 2016, Brussels, Belgium
- **ETN AGM and Workshop:** April 2016 (date and location to be confirmed)

Gas Turbine Events:

- **[EVI-GTI International Gas Turbine Instrumentation Conference](#):** 3-5 November 2015, London, UK
- **[International Gas Turbine Congress \(GTSJ\)](#):** 15-20 November 2015, Tokyo, Japan (ETN members are entitled to a special discount)

User Meetings:

- **[GE Frame 9FA/FB User Conference](#):** 3-5 November 2015, Hong Kong
- **[SGT5-2000E User Conference](#):** 16-19 November 2015, Berlin, Germany

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 January-March 2016.