

ETN Monthly News Summary – March 2014

ETN ANNUAL GENERAL MEETING AND WORKSHOP

The ETN Annual General Meeting (AGM) and Workshop, hosted by Total, will take place on 2-3 April 2014 in Paris, France. The AGM will be held at Total offices at La Defense and the Workshop will be held the following day at the Renaissance Paris La Defense Hotel. For more information on the event, you can [login on the ETN website](#) (right hand-side corner) and go to ETN events → AGM and Workshop.

Proposed changes to ETN's Articles of Association: This year the General Assembly will vote on the Board's proposed changes to ETN's Articles of Association. The modified version of the Articles of Association, approved by a Belgium notary, has been attached to this Newsletter. The ETN office has also prepared a one-pager summarising the changes on the Articles of Association, also attached to this Newsletter.

Agenda: [Click here](#) to see the updated agenda (also attached).

Registration: If you have not yet register, please do so by [clicking here](#).

DISCUSSION ON THE IED LCP DIRECTIVE AT ETN AGM AND WORKSHOP, 2-3 APRIL 2014

In preparation for the ETN strategy discussion at the upcoming Annual General Meeting regarding the **Large Combustion Plant Best Available Techniques Reference document (LCP BREF) under the Industrial Emissions Directive (IED)** we would like to highlight the following:

The Implementation of the IED calls for the achievement of new Emissions Limit Values for almost all combustion plants, including those based on gas turbine technology. Furthermore it also strengthens the role of Best Available Techniques (BAT) in the setting of permit conditions for plants as defined within the Large Combustion Plant Best Available Techniques Reference document (LCP BREF). The performance levels stated in this draft document, which is currently in revision, are beyond those stated in the Directive and will in essence, form the basis of the limits to be included in permits. Whilst the timeline for this is unclear within the next 4-5 years, it is likely that LCPs may require two permit reviews, one for IED implementation from 1 January 2016 and then another to ensure that BATs as defined in the BREF are implemented. This potentially has a significant cost and operational impact on GT plants.

Therefore, ahead of an open discussion at the forthcoming AGM and Workshop in Paris on 2-3 April, we ask that ETN members consider the following questions in order for ETN to develop its LCP BREF strategy:

- Do you believe the requirements of the BREF, as they represent a strengthening of the IED, will impose harder to achieve limits on plant considering current performance?
- Will these limits be as easily achievable if the intermittency of operation, such as due to increased penetration of wind generation, increases?
- Do you consider the NOx or the CO BAT AELs (Best Available Technology-Associated Emission Levels)* to be more of a restriction to operation?
- Have you considered the increased capital costs that may be required to achieve performance within the ranges? Have you considered the increased operating costs that may be required to achieve performance within the ranges? For example, additional monitoring regimes, component maintenance. Have you already planned for this requirement?
- For those with SCR, how does real world ammonia slip over a catalyst cycle compare to these BAT-AELs?

* BAT-AEL (Best Available Technology-Associated Emission Levels) means the range of emission levels obtained under normal operating conditions using a best available technique or a combination of best available techniques, as described in BAT conclusions, expressed as an average over a given period of time, under specified reference conditions.



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ETN BOARD MEMBER ELECTION 2014-2016

At the AGM, the new ETN Board for 2014-2016 will be elected by our General Assembly. The ETN Board consists of 10 representatives from 5 member categories and is currently chaired by Bernard Quoix from Total and vice-chaired by Catherine Goy from E.ON UK. Please find below the list of candidates for the 2014-2016 Board:

Category	Candidate	Organisation	Country
Utility industry	Catherine Goy	E.ON	United Kingdom
	Chris Lappee	Vattenfall	The Netherlands
Oil & Gas industry	Bernard Quoix	Total	France
	Robert Rijdsdijk	Shell	The Netherlands
Suppliers and service providers	Ferruccio Dusci	Flame Spray	Hungary
	Uwe Kaltwasser	MTU Maintenance	Germany
	Andy Williams	Wood Group	United Kingdom
R&D community and Universities	Giovanni Cerri	University Roma TRE	Italy
	Yannis Hardalupas	Imperial College London	United Kingdom
	Herwart Hönen	RWTH Aachen University	Germany
	Pericles Pilidis	Cranfield University	United Kingdom
Consultancies	Gary Lock	Frazer-Nash Consultancy	United Kingdom

7th INTERNATIONAL GAS TURBINE CONFERENCE (IGTC) 2014

Sponsorship opportunities for the IGTC-14 to be held on 14-15 October 2014 are available. We offer several Sponsorship Packages, as well as flexible options that should correspond to your specific needs for visibility. You can view the Sponsorship Information Package by [clicking here](#). Please contact the ETN office should your organisation be interested in sponsoring the IGTC-14.

TECHNICAL COMMITTEE AND PROJECT UPDATES

Call for technical committees chairmen/co-chairmen: At the ETN Workshop in London on 9-10 October 2013, it was recommended that each Technical Committees (TC) would have a Chairman and a Co-Chairman, preferably one representative from the industry and one from the R&D community. We encourage ETN members to submit any interest to Chair or Co-Chair one of the TCs to the ETN office:

- **TC1:** Cycle Efficiency;
- **TC2:** Fuel Flexibility and Emissions;
- **TC3:** Materials Degradation and Repair Technologies;
- **TC4:** Condition Monitoring, Instrumentation and Control;
- **TC5:** Asset Management.

Potential changes to the Technical Committees: At the upcoming AGM and Workshop, the Project Board will present the participants some proposed changes to the Technical Committees (TC's titles and visions).

PLEASE NOTE THE FOLLOWING UPCOMING GT EVENTS

Events:

- [Annual General Meeting and Workshop](#): 2-3 April 2014, Paris, France (kindly hosted by Total)
- [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)
- [International Gas Turbine Conference \(IGTC\) 2014](#): 14-15 October 2014, Brussels, Belgium
- [Turbine Forum 2014](#): 7-9 May 2014, Nice, France



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ETN meetings:

- **ETN Board Meeting:** 1 April 2014, Paris, France (kindly hosted by Total)
- **H2-IGCC Final Meeting:** 13 May 2014, Brussels, Belgium (kindly hosted by Laborelec/GDF Suez)
- **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 April-June 2014.