

## ETN News Summary – January 2012

**6<sup>th</sup> International Gas Turbine Conference - Sponsorship opportunities:** the [Sponsorship Order Form](#) can be found on the [conference website](#), in which we offer several different Sponsorship Packages, as well as flexible personalised options that correspond to your specific request for visibility at the conference. These packages are first open to ETN members. If your organisation is interested in sponsorship, please contact the [ETN Office](#).

**ETN Members Directory Update:** the ETN Members Directory will be updated and renewed. This will enable members to search for organisations with specific areas of expertise, and to engage in targeted networking. We therefore urge you to provide us with your most up-to-date information on yourself and your organisation, by completing the [Members Directory form](#), and returning it to the [ETN Office](#).

**New ETN Members:** we warmly welcome our new member TechPart AS (Norway), and look forward to working with them in the future.

### Job Vacancies

Frazer-Nash Consultancy (UK) is currently seeking stress and thermal engineers to join their expanding Structures Groups. For more information please [click here](#).

OPRA Turbines (the Netherlands) is currently seeking new employees in a wide range of GT-related positions. For more information please [click here](#).

### ETN Technical Committee (TC) and Project Group (PG) Headlines

*Please use the [ETN Wiki Site](#) to contribute to the TC and PG activities. Please contact the [ETN office](#) for login details.*

A full [TC/PG Update](#) report, covering all initiatives, is available on the ETN website. You can find the report on the ETN website under Member Area – Technical Committees. Please find below a selection of some ongoing activities requesting feedback from ETN members.

### Technical Committee Updates:

#### TC3-4: Filtration Questionnaire

Filtration companies (AAF, Donaldson and Camfil Farr) are developing a [Position Paper on Filtration Technology](#). The objective of this Position Paper is to allow the Users to have a single point of reference for state-of-the-art filtration technology, as well as to establish a framework of metrics to correlate best practice filtration to increase efficiency and reliability.

ETN members that are Users are encouraged complete the following questionnaires, and return them to the [ETN Office](#) by Friday 2 March 2012:

- [The ETN Position Paper Survey](#): aims to receive feedback and reaction from ETN members on the position paper
- [The ETN Site Survey](#): seeks feedback on the different type of installations of ETN members gas turbine operators.

Given that the performance of the gas turbine depends on the combustion air quality, which is related to the local pollution encountered on site, we would like to ask you to fill in one "Site Questionnaire" per site. Each questionnaire should take no longer than 5 minutes.

### **TC3 – 4: Thermal Barrier Coating Initiative**

The initiative is investigating the application of Thermal Barrier Coatings (TBC) on turbine blades, which increases the efficiency of a gas turbine. The objective of this initiative is to investigate the possibilities and benefits to perform in-situ emergency repairs on TBC coatings (weld-up cracks, blend out defects, non-destructive penetrant inspection). However, given the broad range of interests, it is necessary to prioritize the different topics that can be addressed.

To focus the study, ETN members are requested to [prioritize the topics](#), and return the form to the [ETN Office](#).

### **TC5: Asset Management Questionnaire**

ETN's Asset Management TC is collaborating with ESReDA, the European Safety, Reliability and Data Association. ESReDA has established an asset management study group, which aims to publish a focused practical guide to support asset owners and operators. Both organisations have a common interest in obtaining feedback from operators and owners of capital-intensive physical assets on the main bottlenecks and challenges in implementing improvements in the field of asset management.

We encourage owners and operators of GT based plants to [complete the questionnaire](#) and return it to the [ETN Office](#) or directly to Pascal Decoussemaeker ([pascal.decoussemaeker@power.alstom.com](mailto:pascal.decoussemaeker@power.alstom.com)) by 29 February 2012. Where possible, ETN members are requested to identify one or more of their partners/customers that own or operate GT based plants, and ask them to complete the questionnaire as well.

### **Project Group Updates:**

#### **Exhaust Systems:**

The [ETN Exhaust Systems PG](#) is making great progress in the formation of an ETN standard for exhaust systems. The group is currently focused on composing a standard for Waste Heat Recovery Units (WHRU), in the future it will also review the API standard on Heat Steam Recovery Generators (HRSG). The standard aims to highlight the possibilities and importance of CFD simulation, using a benchmark case in the appendix of the standard. The merged standard and the CFD validation workplan are to be discussed during the next meeting, kindly hosted by Statoil in Bergen on 15 March 2012.

If you would like to attend the upcoming Exhaust System meeting, or would like to join the Exhaust Systems PG, please contact the [ETN Office](#).

#### **TopCycle PG:**

At the moment, various independent partners are finalising a proposed programme (Description of Work) for the feasibility study covering the key areas: combustion; transient behaviour (start and stops); turbomachinery and market. The DoW will be presented to industry partners that have expressed interest in supporting the study in February 2012. If you are interested in partaking in the TopCycle Feasibility Study, please contact the [ETN Office](#).

### **GT Events**

You can find links to GT events on the ETN website [Events](#) page.

Please note the following GT event:

[O&M and Lifecycle Management Strategies for CCGT Power Plants](#), Birmingham, UK, 6-8 March, 2012 (10% discount for ETN members, see attachment for more information)

ETN Annual General Meeting, location to be confirmed shortly, 17-18 April 2012

[Turbine Forum 2012 - Advanced Coatings for High Temperature](#), Nice, France, 25-27 April 2012

[ASME Turbo Expo](#), Copenhagen, Denmark, 11-15 June 2012

[PowerGen Europe](#), Cologne, Germany, 12-14 June 2012

[9<sup>th</sup> European Fluid Mechanics Conference](#), Rome, Italy, 9-13 September 2012

[6<sup>th</sup> International Gas Turbine Conference](#), Brussels, Belgium, 17-18 October 2012

Please let us know if you have an event you would like to be disseminated.

**LinkedIn:** ETN has a profile on LinkedIn, which you can follow by [clicking here](#).

## **European Policy News**

### **January 2012**

[Danish EU Presidency Priorities](#)

[Recent days have seen significant oil and gas discoveries in Northern Europe](#)

[BP publishes Energy Outlook 2030](#)

[European Commission Energy Roadmap 2050](#)

### **December**

[COP17 Climate Change Conference conclusions](#)

[European Commission publishes research funding programme proposal: Horizon 2020](#)

### **November 2011**

[UN COP17 Climate Change Conference in Durban, South Africa](#)

[Concentrated Solar Power gets a boost from US](#)

[IEA publishes the World Energy Outlook 2011](#)