

## ETN Monthly News Summary – May 2012

### Featured:

**ETN's new public website launched:** we are pleased to present the new ETN public website. The current members-only online platforms will still be available for ETN restricted information. The members-only section of the new website will be launched later this year.

### Technical Committee and Project Developments in May 2012:

**Thermal Barrier Coating Project:** During the AGM in Berlin, users confirmed their interest in the topic of Thermal Barrier Coatings (TBC) and stated that they would like to receive a technical paper discussing basic information about TBCs and their application. During a teleconference on 29 May 2012, Dominique Orhon (Total), Ron van Gestel (Chromalloy), Chris Dagnall (Cogsys-GL) and Daniel Mack (Julich) discussed the possible contents of the paper. As there exists a lot of literature on TBC, it was decided to make an inventory of available references on the ETN [Wiki](#) and identify the gaps where more research would be necessary.

If you would like to contribute to the Thermal Barrier Coating Project, please contact the [ETN Office](#) or go directly to the [Wiki](#).

**Exhaust Systems Project:** As part of the generation of the ISO standard, it has been agreed within the Project that a measurement programme should be implemented on a full scale GT exhaust system. The purpose of this measurement programme is to acquire data with which to validate the different types of CFD analyses. This validation case will be used as the basis for the development of the best practice guidance on CFD modelling requirements to support design and certification of GT exhaust systems and WHRUs. It will also provide a database of results for future benchmarking studies as CFD methods continue to develop.

The Description of Work for the CFD Benchmark Case will be circulated shortly to members, and a teleconference will be held at 14.00 on Thursday 28 June 2012 to discuss the Description of Work and answer any questions you might have related to the work programme and related financing. Please contact the [ETN office](#) if you are not a registered member of the Exhaust Systems Project, but would like to receive the study and take part in the teleconference.

### ETN Lobbying Activities in May 2012:

**Position Paper on Priorities in Horizon 2020:** ETN distributed the joint position paper, written in collaboration with other Brussels energy associations, to its contacts, and published it online. To view it please [click here](#).

### ETN Meetings and Events Attended during May 2012:

**H2-IGCC Half Yearly Meeting (9 – 11 May 2012):** the third mid-year consortium meeting took place on San Servolo, Italy on 10-11 May 2012. The 51 representatives from the 24 project partners met to discuss the progress made in the past 6 months and make plans for the upcoming period. Consortium members also had the opportunity to visit the [ENEL's hydrogen-fuelled plant](#) in Fusina in the afternoon of 9 May 2012.

**NexTurbine 2012, Shanghai, China (22-25 May 2012):** ETN's Managing Director, Christer Björkqvist presented ETN, the European Energy Policy and the H2-IGCC project as well as chaired the morning sessions on the second day, at the conference which was attended by a total of 130 delegates from China, neighbouring Asian countries, US and Europe. There were presentations on Integrated Gasification Combined Cycles, Modern

Combined Cycles GT & Industrial GT as answers to the User's call for gas turbine technology that can provide the required support to intermittent renewable power within the emission constraint.

The full programme is available on the ETN website where you can also download the presented presentations under the following sessions:

- Advanced GT: For Liberalised Power Market & CO2 Challenges
- Modern CCGT: Combination of Flexibility & Efficiency
- Demonstrate Technical Solutions for H2/Syngas IGCC Turbines
- Industrial GT: Distributed Generation and CHP
- Advanced GT Fuel Flexibility and Combustion

For ETN this was an opportunity to increase the visibility of ETN and establish a network of Chinese contacts, which members of ETN can benefit from in the future. Christer Bjorkqvist stated that "With the predicted increase in energy consumption and the recent large findings of shale gas, China provides a huge market for the gas turbine industry". For further information on any specific presentation please contact the [ETN Office](#).

#### **Upcoming ETN meetings and Partnership Events:**

**Educational Programme:** The Gas Turbine Short Courses, part of ETN's new educational programme, will be directed by the Department of Power & Propulsion, Cranfield University and hosted by Total in Pau, France on 4-8 June 2012.

**The objective of the courses is to familiarise the participants with engine and component design and the performance of stationary gas turbines.** The course content has been chosen primarily to benefit employees who are (or will be) involved in engine performance evaluation, operations and maintenance. The courses will be of particular value to practising engineers in gas turbine user industries who could benefit from an overview of the design and performance of the entire engine. Upon completion of the course, participants should emerge with an improved appreciation of gas turbines, adding extra value to both their past and future experiences. Please note that spaces are limited, so we encourage early registration. For more information and to register please [click here](#).

**Sponsorship opportunities:** there are still sponsorship opportunities available for the upcoming **6th International Gas Turbine Conference – The Future of Gas Turbine Technology**, which is an excellent prospect for ETN members to enjoy visibility in front of a high-level international audience. 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. If your organisation is interested in sponsorship, please contact the [ETN Office](#).

#### **Please note the following GT events:**

[Gas Turbine Short Courses](#), Pau, France, 4-8 June 2012

[ASME Turbo Expo](#), Copenhagen, Denmark, 11-15 June 2012 – please contact the ETN Office to receive discount for ETN members.

[PowerGen Europe](#), Cologne, Germany, 12-14 June 2012 – please contact the ETN Office to receive discount for ETN members.

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

[6th International Gas Turbine Conference – The Future of Gas Turbine Technology](#), Brussels, Belgium, 17-18 October 2012