

ETN Monthly News Summary

November 2016

ETN on social networks!

So the voice of the Gas turbine industry and community can reach out louder and broader, ETN has decided to join social networks. You can now follow ETN on Twitter and LinkedIn to keep updated on the most recent news, statements and events of our network!

Twitter: [@etngasturbine](https://twitter.com/etngasturbine)

LinkedIn: [ETN – European Turbine Network](https://www.linkedin.com/company/ETN-European-Turbine-Network)

Do not hesitate to like and share our posts using the related hashtags: #Gas #GasTurbine #Energy #ClimateAction #EnergyUnion

A new member from the global user community joins ETN

ETN is very pleased to announce the arrival of Korea Electric Power Corporation. KEPCO is the largest electricity utility in South Korea, operating generation (93% of the generation in the country), transmission and distribution. More information on www.kepco.co.kr

Brexit and ETN rules

Following the recent referendum on the British membership to the EU, the ETN Board has decided to adopt a proactive approach to ensure a continued active involvement by our members from the UK. In the next few days, ETN will address a statement to all its members. This will explain the strategy of the organisation to adapt its Articles of Association in order to tackle the potential consequences of a Brexit on the functioning of the organisation and the conditions of membership.

Membership fees

The membership invoices for 2017 have been issued this month. Please ensure that we receive the payment before the deadline on 31 January so that the ETN Secretariat can focus its resources on ETN activities and ensure the highest level of service to our members! Do not hesitate to let us know if ETN can assist you in any way. For any question, you can contact Ilona at ik@etn-gasturbine.eu

ETN User Groups

Industrial RB211 User Group:

ETN is in the process of collecting additional input on technical issues in preparation of the User Group meeting in May 2017. Date and location for this meeting will be announced in December.

LM2500 User Group:

ETN is currently updating its issue database, to be released to Users by December in preparation for the User Group meeting in Amsterdam, 14-15 June 2017.



Additionally, ETN is offering [sponsorship opportunities](#) for these User Groups for Independent Service Supplier. If you are a service provider for any of the two engines, please contact il@etn-gasturbine.eu.

ETN Projects

Air Filtration Project

On 16-17 November, the project partners met in Brussels to review the draft of the Water/Salt test procedure, part of the “ISO 29461 - Part 5: Marine and Offshore environment filter systems” standard. The group also reviewed the outstanding comments of the standards ISO 29461 - Part 6: Cartridge testing method and ISO 29461 - Part 2: Cleanable (Pulse jet) filter systems, to be submitted to the ISO/TC 142 Committee. You can find the related documentation on the ETN website [page dedicated to this project](#).

Bio-HyPP project

ETN has been invited to be a member of the Bio-HyPP project Stakeholders Group. As a Stakeholders Group member, ETN will be informed about the progression of the project and will be invited to review the relevant achievements and perspectives of the Bio-HyPP project, thus providing the consortium with the necessary external feedback from an industrial and market point of view.

The Bio-HyPP project

Within the [Horizon 2020 programme](#), the Bio-HyPP project aims at developing a full scale technology demonstrator of a hybrid power plant fed by biogas blended with natural gas. A hybrid plant combines solid Oxide Fuel Cells (SOFC) and a Micro Gas turbine (MGT). The target is the realisation of a best possible coupling of both sub-systems.

The Bio-HyPP project intends to establish a European technology leadership on high efficient biogas and CHP systems, which will become a benchmark for competitors and developers worldwide. The project will deliver a demonstration plant, which will constitute the solid premises for a large scale market deployment, at a subsequent stage.

More on www.bio-hypp.eu

APPALOOSA proposal

On 29 November 2016, ETN has submitted a project proposal under [the Horizon 2020 call LCE-07-2016-2017](#): Developing the next generation technologies of renewable electricity and heating/cooling. The goal of the APPALOOSA proposal is to design and validate an advanced concept of large scale Concentrated Solar Power (CSP) plant hybridised with a supercritical CO₂ (S-CO₂) power block equipped with an internal oxy-combustor.

EU Policy Update

EU Winter Package

On 30 November, the European Commission is set to unveil a comprehensive group of legislative proposals, major pieces of its energy and climate action policies. This so-called Winter Package comprises reviews of existing texts and propositions for new texts. Initiatives are to be expected on renewables, energy efficiency, electricity market design or energy performance of buildings. Altogether, those texts will pursue the completion of the Energy

Union, which stands on 5 pillars: energy efficiency security of supply, energy internal market, decarbonisation of the economy and research and innovation.

1200 pages

The Energy Union Winter Package is announced to be 1200 pages long! With 8 texts to be proposed (new legislation and review of pre-existing), Brussels is boiling and bracing up for this huge amount of work, involving all parties: the Parliament, Council (gathering the member-states) and all the organisations/associations in the field. This process is expected to last 2 years before all the texts are adopted.

Breakfast with Commissioner Cañete

On 25 November, ETN attended a breakfast organised by Politico with the EU Commissioner for Climate Change and Energy, Miguel Arias Cañete. During this discussion, Commissioner Cañete underlined that 85% of the legislation on energy and climate action planned by the Commission for the current term (2014-2019) was *“already on the table”* (with more to come, see above). He welcomed the fact that *“everyone is committed”* at EU and member states’ levels and amongst the NGOs, associations and stakeholders in general. Cañete called for ambitious targets for energy efficiency, supporting a 30% binding target for 2030 and underlined that *“if we take all the measures in the Energy Union Package, we may create up to 900,000 new jobs”*. Cañete also expressed his opinion that gas was *“a transition between fossil fuels and renewables”*, for which *“we have an infrastructural problem and we need more interconnectivity”*. The video of this intervention is [available here](#).

SET-Plan

Action 4: Increase the resilience, security and smartness of the energy system

Following the set-up of the [European Technology and Innovation Platform “Smart Networks for Energy Transition”](#) (ETIP-SNET), the Flexible Generation Working Group (WG) has been constituted. One of the objectives of the “Flexible Generation” WG will be to deliver a vision for the European energy system and respectively of the contribution of various technologies to this system by 2030, 2040 and beyond, guiding the preparation and update of the RD&I topics in the light of the specific priorities of the European Energy Union addressed. ETN is looking for flexible generation experts in its community to be proposed as members of the WG, representing both centralized and decentralized power generation.

If you are interested in joining the WG, please send an email to [Ugo Simeoni](#) by 9 December 2016 with a short summary of your professional background and most relevant experience in the “Flexible Generation” area. For further information regarding the topic, please do not hesitate to contact us and to join the teleconference scheduled on the 5 December 2016 at 14:30 CET.

SET-Plan Action 5: Energy efficiency in buildings

In a joint action with [COGEN-Europe](#) and [AEBIOM](#), ETN has submitted to the European Commission some comments on the SET-Plan Action 5 Issue Paper “Develop new materials and technologies for energy efficiency solutions for buildings – Cross cutting heating and cooling technologies for buildings”, highlighting the importance of micro-CHP in the future energy sector, with a particular focus on micro-CHP coupled with micro turbines. The European Commission, acknowledging the importance of the micro-CHP technology in the decarbonisation of the heating and cooling sector, has decided to include micro-CHP/CCHP as one of the key areas on which the future research activities should focus on.

International Policy Update

World Energy Outlook

The International Energy Agency Outlook released its World Energy Outlook, presenting the organisation's conclusions on the main trends for the future of the global energy mix. The main conclusion of this report is that renewable energy sources (RES) – and especially wind and solar- along with natural gas will take a clear ascendant over coal. Outlines and the full report can be found [on the IEA website](#).

COP22

In the wake of the historic success of COP21 in Paris, reaching the first universal agreement with binding provisions, - signed by 193 countries and ratified by 114 so far- , a lot was on the plate for the COP 22, which took place in Marrakesh from 7 until 18 November. One of the main objectives was to translate the objectives set in Paris into rules. Countries had to come with "Intended Nationally Determined Contributions", keeping in mind that so far, the 189 national commitments do not permit to stay below the 2°C target. The outcome of COP 22 is positive but not impressive. A sign of continued political will has been sent in the "[Marrakesh Action Proclamation](#)". Countries have confirmed their financial commitment to help their poorer counterparts (100 billion \$ per year until 2020, on public and private funds) but no real action have been decided. Many regretted that the EU came empty-handed. Germany and France mentioned objectives for 2050, the latter even considering joining the UK in its plan to turn carbon-neutral by then but with no clear plan. A good sign was the presence of numerous African leaders.

ETN in the press

In November, Power Engineering International (PEI) asked ETN its opinion following the publication of the IEA World Energy Outlook 2016 (see above). On behalf of the organisation, Christer Björkqvist, Managing Director, stated that "the conclusion of the report is good news but it is not a surprise as natural gas operations already provide a perfect fit with intermittent renewable operation" ([full article here](#)). ETN also commented for PEI the question of carbon pricing and the competitiveness of the gas-fired power plant and combined cycles ([see here](#)).

Call for Proposals

LCE-28-2017 - Highly flexible and efficient fossil fuel power plants

The proposal should focus on solutions starting from TRL 3 and reaching TRL 4-6 (technology demonstrated in relevant environment). The objective is to increase the flexibility of the plants' components and/or of the turbomachinery needed to better integrate the RES into the grid. The funding rate is 100%. The deadline is 5 January 2017.

More information [here](#)

Material Database

ETN is considering the creation of a material platform collecting data for gas turbines and share information amongst its members. This project is still in the phase of reflexion, but anyone who could be interested in such a platform and has suggestion can contact Ugo Simeoni: us@etn-gasturbine.eu

Public consultation: the Connecting Europe Facility (CEF)

The European Commission has launched this week a public consultation in view of the Mid-term evaluation of the [Connecting Europe Facility](#) (CEF). This will run until 27 February 2017. The

CEF is an EU programme that aims at “supporting the development of high-performing, sustainable and efficiently interconnected trans-European networks in the field of energy, telecommunications and transport over the period 2014-2020.” Find more information on the consultation [here](#).

Please note the following event

ETN internal meetings:

- **Project Board and TC Chair meeting:** 19-20 January 2017, Brussels.
- **AGM 2017:** May 2017, TBD
- **ETN Air Filtration Meeting:** May 2017, TBD
- **Industrial RB211 User Meeting:** May 2017, TBD
- **LM 2500 User Meeting:** 14 and 15 June 2017, Amsterdam, Netherlands

Other meetings and conferences:

- **Power Generation Gas Turbine User Group:** 6-7 December 2016, Birmingham (Supporting partner discount to all ETN members)
- **Global Power and Propulsion Society's Inaugural Forum:** 16-18 January 2017, Zürich
- **12th European Turbomachinery Conference:** 3-7 April 2017, Stockholm
- **Turbine Forum 2017,** 26-28 April 2017, Nice
- **4th European HRSG Forum,** 16-18 May, 2017, Amsterdam

***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 2017.***