

# ETN MONTHLY NEWS SUMMARY

## APRIL 2021

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### GT ENCLOSURE STANDARD FOR HYDROGEN FUEL CASE

At the ETN Workshop TC4 session *Condition monitoring and asset management – Implications of introducing 5% to 30% hydrogen into the grid*, it was highlighted in a presentation and discussion that there is no standard with respect to hydrogen and enclosures. One of the topics to be addressed could be the % by volume of a combustible gas which can be contained by the enclosure and which should be detected by the detectors and carried by the ventilation. It was proposed to set up a meeting to discuss interest and possibilities for producing an ETN standard for this, as this will be helpful to OEMs for new builds and end-users looking to transition to hydrogen or hydrogen blended fuel. All presentations from our Workshop TC4 session are available on ETN's AGM & Workshop [webpage](#).

Our first teleconference meeting to discuss this topic will be held on 21 May 2021 (15:00-15:45 Central European Summer Time). This call is open to all ETN members and does not require registration in advance. Microsoft Teams call link is available on [our website](#) (login required).

### NEW ETN WORKING GROUP: DECENTRALISED ENERGY SYSTEMS WG

At our AGM & Workshop closing session last month, Peter Breuhaus, Chair of ETN's Project Board, introduced the Project Board's proposal to widen the scope of ETN's Micro Gas Turbine Working Group and rename it as Decentralised Energy Systems Working Group.

The goal of this new Working Group is to bring together stakeholders of the value chain for decentralised gas turbine (micro and small) energy solutions, with the objective to accelerate the development of cost-efficient integrated technology solutions in line with the market needs. The Decentralised Energy Systems Working Group aims to explore market opportunities and solutions, initiate cooperation projects to reduce cost and increase the technology readiness level of individual components, the gas turbine system and its integration into decentralised and multi vector energy systems. The ETN Project Board will hold a meeting to further discuss the objectives and plan the official launch of this new group. The first Decentralised Energy Systems

WG meeting is planned for this autumn. More details will be shared with ETN members in the upcoming months.

### **SAVE THE DATE FOR ETN's IGTC!**

The ETN Board has taken the decision to organise our 10<sup>th</sup> International Gas Turbine Conference (IGTC) virtually. The conference, scheduled for 11-15 October 2021, will include 5 keynote sessions, 10 technical sessions (with 30 technical papers to be presented), a virtual exhibition lounge and innovative networking opportunities. The IGTC Conference Advisory Board (CAB) held a meeting in April to discuss the conference preparations. The CAB will now start the technical paper reviews which will be completed in June. Preliminary programme for the virtual conference will be published shortly on our [website](#).

### **ASME TURBO EXPO**

[ASME Turbo Expo](#) virtual conference will be held on 7-11 June 2021. ETN's Managing Director Christer Björkqvist will moderate the plenary session *Opening up the Design Space to Afford Efficient Gas Turbines Using H2 and Biofuels*, to be held on 8 June. Christer Björkqvist will be also co-chairing the panel sessions *Voice of Customers* (8 June) and OEM session *Pathway Forward for Gas Turbines* (10 June). We will have the opportunity to present the key messages from last year's ETN High-Level User Meeting and discuss the R&D recommendations from the ETN Project Board.

ETN members are entitled to a discounted registration fee for ASME Turbo Expo with the discount code "TE210DISC50". For more details, please [contact us](#).

### **VIRTUAL PANEL SESSION ON ADDITIVE MANUFACTURING**

ETN will attend the virtual panel session "[Additive Talks](#) - *what are the implications of AM for the energy industry?*" on 6 May 2021, 15:30-16:30 Central European Summer Time. We will be represented in this session by our Board member John Oakey, Cranfield University, who will be one of the panellists. There is no cost to attend this session – [sign up](#) now and join us!

### **FLEXIBLE POWER GENERATION WEBINAR PRESENTATIONS**

The closing episode of our Flexible Power Generation webinar series "*R&D for flexible power generation: today's and tomorrow's challenges and pathways*" was held on 20 April 2021. All presentations are now available on [ETN's website](#). Did you miss this session? The full recording can be accessed [here](#).

### **QUARTERLY NEWSLETTER**

New edition of ETN's Quarterly Newsletter is out! Read about our AGM & Workshop outcomes and plans for new initiatives, R&D projects, energy policy updates, as well as upcoming meetings and events. You can download the newsletter by clicking [here](#).

### **ETN TEAM**

Jitka Spolcova started as ETN's new Project Officer on 30 April. Jitka has a Master degree in Economy and International Politics. Prior to joining ETN, she spent several years working on projects in consultancy and banking industry. Her main focus within ETN will be the EU-funded projects and ETN's sCO<sub>2</sub> Working Group. You can contact Jitka at [js@etn.global](mailto:js@etn.global).

### **UPCOMING MEETINGS AND EVENTS:**

Virtual ETN meetings:

- ETN Board meeting: 11 May 2021
- [SGT-A35 User Group - follow-up of 2020 meeting](#): 19 May 2021
- [GT enclosure standard for hydrogen fuel case – discussion with ETN members](#): 21 May 2021
- [LM2500 User Group Meeting](#): 15-17 June 2021
- ETN High-Level User Meeting: 4 October 2021
- [10<sup>th</sup> International Gas Turbine Conference](#): 11-15 October 2021

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ETN Monthly News Summary is distributed internally to ETN members at the end of each month. ETN Quarterly Newsletter is circulated to members and external contacts four times a year. The next edition will be July-September 2021. You can find all the previous issues of both publications on [www.etn.global/news-events](http://www.etn.global/news-events)