

# ETN MONTHLY NEWS SUMMARY

## JUNE 2021

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### LAUNCH OF DECENTRALISED ENERGY SYSTEMS WORKING GROUP

ETN Project Board members held a meeting on 22 June to prepare for the launch of our new Decentralised Energy Systems Working Group. The aim of this Working Group is to bring together stakeholders of the value chain for decentralised energy solutions involving micro and small gas turbines, with the objective to accelerate the development of cost-efficient integrated secure 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 sustainable energy systems, as well as its interfaces and interaction with other system components.

The first part of our virtual launch meeting will be organised on 23 September, followed by the second part of the meeting on 28 September. Both calls will take place in the afternoon (Central European Time) to allow wide international participation. Call invitations will be shared with the ETN members in the next edition of our Monthly News Summary.

### NEW CO2OLHEAT PROJECT STARTED

We are excited to announce ETN's new EU-funded CO2OLHEAT project which started on 1 June. The main objective of CO2OLHEAT (*"Supercritical CO<sub>2</sub> power cycles demonstration in Operational environment Locally valorising industrial Waste Heat"*) is to unlock the potential of unused industrial waste heat and transform it into power. The development of innovative and cutting-edge supercritical CO<sub>2</sub> (sCO<sub>2</sub>) technologies will be used to design and demonstrate in a real industrial environment the EU-first-of-its-kind sCO<sub>2</sub> plant. This EU-funded project has an overall budget of approximately 18,8 million euros and it will run for four years. Download our [press release](#) for more information and follow the updates on [LinkedIn](#) and [Twitter](#).

### **GAS TURBINE ENCLOSURE STANDARD FOR HYDROGEN FUEL CASE**

At ETN's recent AGM & Workshop, the participants of our Technical Committee 4 session highlighted the absence of standard addressing enclosure safety challenges for gas turbines running on hydrogen fuel mixtures. ETN organised a follow-up call on this topic in May to verify the interest among our members and to check if the timing for such an action would be right. Another meeting was held in June, which brought together the representatives from the whole value chain, to discuss the objectives and topics to be prioritised. The participants agreed to launch a gap analysis as a starting point for this taskforce. The launch meeting of the taskforce, open to all ETN members, will be held in September (10 or 17 September, date to be confirmed).

### **"IS HYDROGEN THE ANSWER TO LOW-EMISSION TURBOMACHINERY?" WEBCAST**

ETN partnered with Turbomachinery International magazine to organise the webcast "*Is Hydrogen the Answer to Low-Emission Turbomachinery?*" on 29 June, which was attended by over 400 participants. Our speakers Geert Laagland (Vattenfall), Peter Stuttaford (Ansaldo Thomassen) and Pierre Dechamps (FTI Consulting and Ambassador at EU Climate Pact) discussed the role that turbomachinery can play in a hydrogen economy. Presentations are available on ETN's [website](#) (login required).

### **"FROM WASTE TO GRID: RE-USING RESOURCES TO ACHIEVE ENERGY INDEPENDENCE ON ISLANDS" WEBINAR**

ETN organised the webinar "*From waste to grid: re-using resources to achieve energy independence on islands*" on 3 June 2021, as part of the EU Green Week activities. The representatives from EU-funded ROBINSON and IANOS projects illustrated how these projects will help islands to re-use their waste and unused resources to improve islands' carbon footprint and energy security. All presentations and the recording of this session can be found [here](#).

### **EUROPEAN CLEAN HYDROGEN ALLIANCE**

ETN is a member of the [European Clean Hydrogen Alliance](#), which held their third European Hydrogen Forum on 17-18 June. ETN was invited and attended the meetings. Frans Timmermans, the Executive Vice President of the European Commission, conveyed a very positive message starting his presentation with "hydrogen rocks". With almost 1000 projects in the pipeline, the first milestone of the hydrogen strategy has been fulfilled. The projects of interest to our sector are split between Industry applications (239); Energy sector (191); Building sector (89); and Transport (379). The European Commission will now need to ensure the relevant regulatory framework to support these pilot projects and to incentivise the massive investments that will be required for wide implementation. The maritime sector was used as an example of an area that is quickly taking off, as a network of hydrogen ports is under development where the European Commission sees an important role for green hydrogen and ammonia. Presentations from the European Hydrogen Forum are available [here](#).

### **EUROPEAN COMMISSION'S HORIZON EUROPE INFO DAYS**

The European Commission's Horizon Europe Info Days will be held virtually from 28 June to 9 July. This 10-day event, covering 9 themes, will present the new funding opportunities with

discussions and hands-on sessions on the EU's biggest research and innovation programme Horizon Europe. The European Climate, Infrastructure and Environment Executive Agency (CINEA) is coordinating the Info Days for Cluster 5 'Climate, Energy and Mobility' on 5-6 July, which will focus on the twin green and digital transitions to achieve climate neutrality in Europe by 2050. It is possible to attend most of the sessions without registration in advance. After the event, the recordings of all sessions will be available on the event page. See the full programme and more details [here](#).

### **UPCOMING MEETINGS AND EVENTS**

#### **Virtual ETN meetings and events:**

- GT enclosure standard for hydrogen fuel case taskforce meeting: 10 or 17 September 2021
- FLEXnCONFU project meeting: 15-16 September 2021
- ROBINSON project meeting: 20-21 September 2021
- ETN Project Board meeting: 23 September 2021
- Decentralised Energy Systems WG meeting: 23 and 28 September 2021
- SGT-A35 User Group Meeting: end of September 2021 (date tbc)
- 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)