

Electric City 2021 – Wind energy, defence and aviation	
Organisers: WindEurope	Date: Thursday 25 November 2021
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1. GENERAL OBJECTIVES AND SCOPE

On **Thursday 25 November 2021** WindEurope will host the “**Wind Energy, Defence and Aviation**” event, taking place at our annual event “[Electric City](#)” (23 – 25 November 2021, Copenhagen). The aim is to **engage industry, governments, and other policymakers** to share experience and good practices on the co-existence of defence, civil aviation, and the wind energy sector.

Through this event, we would like to showcase how leadership and collaboration can help us **overcome challenges to co-existence at a national and international level**.

Finding solutions will require strong political involvement and oversight so that all relevant stakeholders have a chance to engage in constructive dialogue. **We want to promote proactive and collaborative approaches between Governments and wind energy players.**

The specific issues we will cover at the event are:

- Best practices and opportunities in sharing sea and land;
- Assessment of different Member State requirements and permitting procedures;
- Updates on latest available surveillance technologies and mitigation measures; and
- On- and offshore wind turbines’ lighting and marking, and its potential harmonisation.

2. STRUCTURE

➤ **Session 1 (morning): THE COEXISTENCE OF OFFSHORE WIND AND DEFENCE ACTIVITIES**

In this session, we will discuss:

- **Maritime Spatial Planning** and how to keep airspace and sea safe in an offshore environment with increased wind energy and stronger net-zero targets.
- **Opportunities for collaboration** between the defence and the offshore wind sector. For example, for air and maritime patrols, sharing of communication, navigation and surveillance infrastructure, and joint trainings and operations.
- Energy security and offshore wind farms as **national critical infrastructure**, including security and defence of **energy islands**, as an extension of national territory.
- **Lighting and marking** of offshore wind turbines and related infrastructure.

Potential contributions: NATO ENSEC-CoC, offshore wind developers, MoDs, national planners.

Target audience: Industry, MoDs, European Institutions, NSEC, BEMIP, National Governments.

➤ **Session 2 (afternoon): PERMITTING ONSHORE AND OFFSHORE WIND FARMS**

In this session, we will discuss:

- **An overview of permitting processes** across the EU, including **technical and operational requirements** from MoDs and CAAs for offshore wind developers and operators.
- Technological implications of wind farms on **radar and surveillance practices**, including latest trends and available mitigation solutions.
- **Lighting and marking** of wind turbines, on-demand lighting, and obstacles to the streamlining of technical standards.
- How to integrate wind energy into **defence strategies and policies**, and more specifically into risk assessment, surveillance, and operational processes.

Potential contributions: Wind industry, RES Simplify partners, CAAs, MoDs.

Target audience: Industry, MoDs, EC, CAAs, National Governments, European Institutions.

3. LOGISTICS

Modality of the event: The two sessions will be informative and interactive. This means it will be a mix of presentations to, and discussions with, the audience. **Invitations, agenda, preparatory material, and other information** will be shared soon.

Electric City 2021: The conference programme and further details will be progressively uploaded onto the [official website](#). Based on the Danish Government's [plans for reopening](#), we are confident that we will be able to welcome everyone to Electric City.

Access to the venue: Participants from national and international institutions will be provided with a [free pass](#) to access the Electric City venue in Copenhagen. This includes access to the conference, exhibition, and side event areas. The pass is granted either for 1 day or 3 days.

4. BACKGROUND: WINDEUROPE'S TF AVIATION

The TF Aviation was set up in 2016 following a call to action for an aviation focal point within WindEurope. The TF has recently extended its scope to "Defence and Aviation", reflecting the political momentum that wind energy is gaining and the new challenges that are arising. This would form a solid base where solutions can be developed to allow countries to integrate wind energy into their defence strategies and policies, and more specifically into risk assessment, surveillance, and operational processes.

The Taskforce today consists of 50+ industry members and an extensive representation of National Wind Energy Associations. We organise regular meetings and aim to support national developments, pooling available knowledge and approaches from different countries across Europe.