



Boosting the  
defence energy  
transition




## Consultation Forum for Sustainable Energy in the Defence and Security Sector (CF SEDSS) – Phase III

### Transversal Working Group

#### What

The transversal working group (TWG) is one of the four working groups of the Consultation Forum for Sustainable Energy in the Defence and Security Sector (CF SEDSS). This new working group was established in October 2019 with the launch of the third phase of the project. It has been introduced **to address cross-sectorial topics on energy efficiency, renewable energy source, and protection of critical energy infrastructure**, which are of interest for the other three working groups of the Consultation Forum.

Particularly, the TWG will work on the following defence energy-related areas:

TRANSVERSAL WORKING GROUP		
 <p><b>Policy &amp; Management Observatory</b></p> <p>(Action plans, human factors, awareness, best practices, skills, etc.)</p>	 <p><b>Technology, Research &amp; Innovation Hub</b></p> <p>(Energy management, networks, cyber, AI, digitalisation, sensors, micro-grids, etc.)</p>	 <p><b>Financing &amp; Funding Gateway Cell</b></p> <p>(IdentiFunding methodology for defence energy projects, ad-hoc, SRSS, ECP, etc.)</p>

#### How

By providing a platform for discussion and sharing of expertise among the European Ministries of Defence (MoDs), research and technology organisations, academia and industry, the TWG addresses the aforementioned topics through the following sub-groups:

- › **Policy & Management Observatory** aims at supporting MoDs to establish policies, strategies, roadmaps, methodologies and tools to improve energy management and performance in the defence sector as well as to raise their awareness and build capacity in these areas.
- › **Technology, Research & Innovation Hub** will promote and explore best practices on innovative and smart energy technologies such as intelligent metering and data collection systems, blockchain, artificial intelligence, digitalisation, big data, sensors, energy management networks, cybersecurity, etc. It will also conduct short energy-related studies to support the work of the different working groups.
- › **Financing & Funding Gateway Cell** will apply the EDA's internal methodology "IdentiFunding for Energy in Defence", which will help to identify financing mechanisms or other funding instruments to support the implementation of defence energy-related project ideas either at national or multinational level. It will also explore innovative schemes for financing sustainable energy measures in the defence sector with a focus on attracting private financing.

## Deliverables

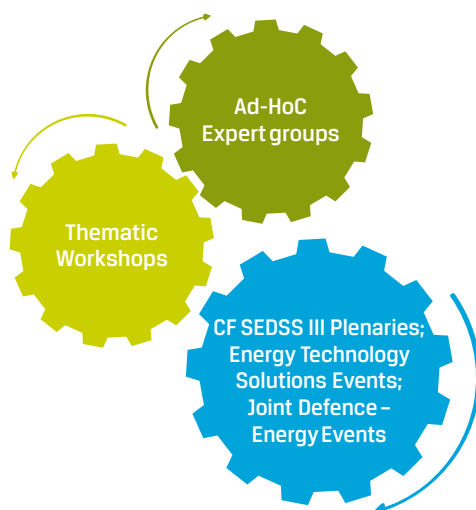
Throughout the duration of the project, the TWG will produce the following **deliverables**:

<b>PROJECT IDEAS</b> up to 6 information sheets on defence energy-related project ideas	<b>RESEARCH STUDIES</b> develop up to 3 defence energy-related research studies	<b>GUIDANCE DOCUMENT</b> on the implementation of EU energy legislation in the defence sector
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The production of these project ideas, research studies and recommendations, combined with the application to funding or financing opportunities, will allow MoDs to progressively achieve sustainable energy objectives.

## Events

TWG will contribute to a number of **events** running from October 2019 to September 2023. Phase III introduces a novel model of activities in addition to the plenary conferences, including but not limited to joint defence-energy meetings, thematic and regional workshops. During phase III, TWG will be in charge of organising a total of six events: two thematic workshops and four ad-hoc experts groups.

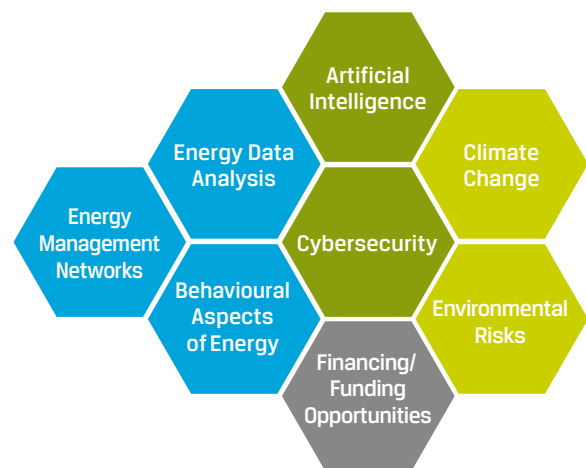


These events will provide the opportunity to address the targeted defence energy considerations; bring MoDs closer to relevant experts from industry, academia and research and technology organisations; and guarantee continuity of research activities developed during the plenary conferences.

## Impact

The work conducted by the TWG will attempt to **overcome the challenges related to energy policy and management** and will identify gaps and risk mitigation measures in addressing defence energy-related matters. To further support the transition from knowledge to implementation and practice, the TWG will also provide MoDs with information on eligible **funding and financing opportunities**. These actions will promote an energy sustainable defence sector while supporting the implementation of the EU's long-term vision of climate neutrality by 2050.

The TWG will also exploit **innovative research on technologies** in support of sustainable energy models and their related applications to defence, especially as regards the following fields:



This research will enable MoDs to reduce their energy footprint, diversify energy supply and reduce dependence on imported fuels as well as energy costs.

## Background

TWG is one of the four working groups of CF SEDSS phase III. CF SEDSS is a European Commission funded initiative managed by the European Defence Agency (EDA), in collaboration with the European Commission Directorate-General for Energy (DG ENER) and the Executive Agency for Small and Medium-sized Enterprises (EASME). The third phase, which has a duration of 4 years expiring on 30 September 2023, is funded by the European Union's Horizon 2020 research and innovation programme under grant agreement No. 882171.