Clean Energy Transition Partnership
Joint Call 2023
Online Presentation of Call Module 1
"DC technologies for power networks"

The Clean Energy Transition Partnership (CETPartnership) is a multilateral and strategic partnership of national and regional research, development and innovation (RDI) programmes in EU/EEA Member States and Horizon Europe Associated Countries.

CETPartnership is organized along seven Transition Initiatives (TRIs) covering all frontiers of energy transition.Transition Initiative 1 (TRI 1), on integrated net-zero emissions energy system, prepared for Joint Call 2023 Call Module 1: "*DC technologies for power networks*", dedicated to enabling and supporting technologies to foster:

- the deployment of low (LVDC), medium (MVDC) and high voltage direct current (HVDC) networks
- the integration of energy islands, both offshore and onshore
- the integration of DC and hybrid (AC/DC) networks
- LVDC applications for the integration of RES, EVs and industrial processes in the grid

RES integration into the energy system requires a fundamental change in infrastructure. Direct current (DC) technologies can have a leading role thanks to their flexibility, efficiency and sustainability.
HVDC is essential for offshore generation, for the integration of energy islands and its role is becoming increasingly important for long-distance transmission as well.
MVDC, both at distribution and micro grid level, is crucial for the connection of large RES and DC loads.
LVDC is getting more interest for its role in integrating different local resources (generation, storage, conversion, load) at industrial, building, street and district level, improving efficiency and reducing losses.

In front of these trends, which imply the integration among DC grids and actual grid infrastructures and the spread of meshed, multi-terminal, multi-vendor configurations, even at higher voltage levels, **new instruments are needed concerning operation, control, maintenance, planning and markets**.

TRI 1 Call Module addresses the main challenges of DC technologies at all voltage levels

Selected projects will benefit from a structure that will accompany them through knowledge communities and impact groups fostering information and best practice exchange and guaranteeing an outreach of the results to European and international levels, with a solution-oriented approach, focused on technology demonstration, adoption and market uptake.

Join CETPartnership Call Module 1 Online Presentation on September 26th 10:00-13:00 CET to discover more about this Call Module and CETPartnership activities. **You can register here.**

Looking forward to work with you!

Co-funded by the European Union

CETPartnership Call Module 1 Presentation
26th of September 10:00-13:00 – Online

10:00-10:30	**Introduction** – Overview on CETPartnership, TRI 1 and Call Module 1
10:30-11:15	**Panel 1 – Power runs on HVDC**
	Antonio Iliceto – ETIP SNET
	Dirk Van Hertem – IWG HVDC
	Peter Sandeberg – ETIPWind
	Moderated by **Michele de Nigris** – RSE, TRI 1 Lead
11:15-11:30	**Break**
11:30-12:15	**Panel 2 – The increasing role of MV and LV DC**
	Alfredo Cota – Incit-EV
	Javier Iglesias – Hitachi Energy
	Tero Kaipia – Zero Hertz System
	Enrico Ragaini – ABB
	Moderated by **Chiara Gandolfi** – RSE
12:15-12:45	**Call procedure and funding mechanism and Q&A**
	CETPartnership Call Management Team
12:45-13:00	**Pitching session for applicants – TBC**

Contact TRI1@CETPartnership.eu for any question

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