

AC or DC?
Why not both?



HYNET bridges alternating and direct current to power Europe's energy future — smarter, cleaner, resilient.

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PAN-EUROPEAN INTEROPERABLE AC-DC HYBRID ELECTRICITY NETWORKS

HYNET's mission is to demonstrate and accelerate the transition toward **hybrid AC/DC** power grids that are resilient, interoperable, and ready to meet Europe's renewable energy targets.



Funded by
the European Union

[HTTPS://HYNET-PROJECT.EU/](https://hynet-project.eu/)



Powering Europe with Seamless AC-DC Integration

At a Glance

- Start Date / Duration: 1 October 2024
- Project Duration: 36 months
- Funded by: Horizon Europe
- Budget: € 5 997 687,50
- Partners: 16 partners from 9 countries

Partners



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Demonstrations



📍 Demo #1 – France

MVDC + LVDC systems
Stabilizing island grids & supporting
EV/hydrogen use



📍 Demo #2 – Montenegro

Supports cross-border RES
exchange
Boosts grid stability and
resilience in the Balkans



📍 Demo #3 – Norway

Offshore wind integration
SK12 corridor upgrade
evaluation



📍 Demo #4 – Cyprus

Digital twin of entire transmission
grid
Great Sea Interconnector (CY-GR-IL)
resilience testing