

Long-duration energy storage must be a pillar of Europe's electrification and energy security strategy.

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Joint-letter to:

Commissioner Dan Jørgensen, Commissioner for Energy and Housing;
Executive Vice-President Teresa Ribera;
Executive Vice-President Stéphane Séjourné.

Dear Commissioner Jørgensen, Commissioner Ribera and Commissioner Séjourné,

As Europe moves forward with AccelerateEU, the upcoming Electrification Action Plan and the strengthening of the EU energy security framework, we urge the European Commission to acknowledge the clear role of long-duration energy storage (LDES) – storage that provides power for 8 hours and more – in Europe's energy strategy. It is also a matter of industrial strategy, as many LDES companies and their supply chains are already rooted in Europe and are poised to contribute to the EU's energy independence.

Europe is entering a new phase of the energy transition. Electricity will increasingly power industry, heating, cooling, transport, digital infrastructure and digital services. This makes electrification central to Europe's energy independence, but it also changes what energy security requires.

Europe will need a stronger, more flexible grid to support an electrified economy. In addition to requiring increasing deployment of existing clean generation, transition, and demand-side solutions Europe also **needs clean flexibility that can shift energy across longer periods** from several hours to days, weeks and seasons.

This is where LDES is essential: to provide reliable base power to reduce dependence on fossil backup, make better use of domestic renewable generation, support industrial electrification, and improve system reliance. **LDES should therefore be treated as strategic infrastructure** for a secure and competitive Europe.

It is also an industrial opportunity for the EU: many LDES technologies retain **European manufacturing capabilities, supply-chain strengths and technical know-how**. Europe should not build the next phase of clean-energy demand while allowing the corresponding value chains to scale elsewhere. Supporting LDES can strengthen both energy independence and cleantech competitiveness.

[We therefore call on the European Commission to take four actions:](#)

First, explicitly recognise LDES in the Electrification Action Plan and the new energy security framework.

The upcoming files should include measures to support long-duration energy storage of all technology types resources, as a separate grid asset compared to short duration energy storage. Duration, resilience and clean firm flexibility should be properly reflected in system planning, market design and investment frameworks.

Second, develop an EU roadmap for long-duration energy storage.

The Commission should assess the EU's long-duration flexibility needs for 2030, 2040 and 2050, drawing on flexibility needs assessments properly assessing LDES, adequacy assessments, grid planning, curtailment data and energy security stress tests. This roadmap should identify priority use cases, relevant duration ranges, barriers to deployment and investment needs.

Third, create lead markets for LDES.

Europe should identify sectors and regions where LDES can deliver immediate value, including energy-intensive industries, data centres, critical infrastructure, islands, remote areas, grid-constrained regions and renewables-rich zones. EU and national policies should reward long-duration solutions that provide clean flexibility, resilience and reduced reliance on fossil backup.

Fourth, enable bankability and revenue certainty for LDES.

Long-duration energy storage projects can deliver high system value, but current markets do not consistently reward that value. The Commission should support Member States in developing investment frameworks such as cap-and-floor mechanisms, availability-based contracts, duration-specific capacity products, flexibility tenders, supportive grid tariff frameworks for both front- and behind-the-meter storage applications, and risk-sharing instruments.

These actions would support the Commission's objectives: accelerating homegrown clean energy, lowering exposure to volatile fossil fuel markets, strengthening security of supply, reducing system costs and supporting European industrial competitiveness.

We would welcome the opportunity to meet with you to discuss how long-duration energy storage can be integrated into the upcoming policy files and support your objectives.

Yours sincerely,

The Signatories

Cleantech
for Europe

Cleantech
for Iberia

Cleantech
for Italy



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In case of any questions, please contact all signatories directly.