



ENERGISE EUROPE EMPOWER ITS PEOPLE

Energy Storage for a Resilient Future

MANIFESTO FOR THE 2024 EUROPEAN ELECTIONS

Introduction

How can Europe simultaneously ensure energy security, combat climate change, and lead in innovation?

What if there's a key to unlocking a resilient future for our Union?

This spring, European citizens are called to shape the vision of the next 5 years.

Against the backdrop of importing nearly 60% of its energy, Europe has yet to achieve true strategic autonomy. Recent geopolitical events, particularly Russia's invasion of Ukraine, have led to soaring energy prices, calling for a revaluation of energy markets and a **strengthening of Europe's energy security**.

The **energy price spikes** in 2021 and 2022 have shown that industrial competitiveness and economic growth are interlinked with energy policy. European industries were confronted with elevated and volatile prices, whereas competitors abroad enjoyed the advantage of lower electricity costs. Regrettably, energy expenses for consumers have also surged, causing further economic strain across society.

The European Union, despite its ambitious initiatives like the European Green Deal, faces challenges in meeting its 2030 climate targets. Without stronger policies encouraging investments in cleantech, the EU risks missing its climate objectives.

In light of these interconnected challenges, such as **energy security, economic growth, consumer protection, and climate change, energy storage emerges as a crucial tool** to address these issues. This manifesto outlines four key goals and corresponding actions that prioritise energy storage, positioning it at the forefront of Europe's energy system.





EUROPE'S CHALLENGES

Dependency on polluting gas imports

High, volatile electricity prices affecting consumers and industry

Risk of falling short of 2030 EU decarbonisation targets



ENERGY STORAGE SOLUTIONS

Replace gas peakers with clean energy storage from local renewables to boost energy security.

Stable and predictable energy prices leading to lower bills for citizens and enhanced competitiveness for industry.

Maximal renewable energy use and cost-competitive grid enhancement to reduce costs for consumers. Decongesting the grid facilitates further renewable deployment.

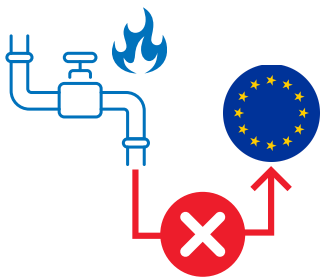


GOAL 1

ENERGY SECURITY FOR EUROPE

With energy storage, fortify Europe

Energy Storage: the added value for energy security



Reduces reliance on energy imports



60%

Of Europe's energy is imported [1]

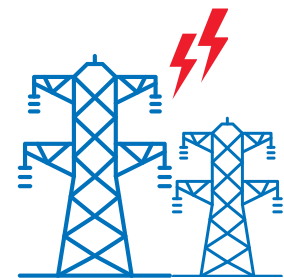


Prevents energy waste, better utilising existing renewable generation



€4bn

Of congestion costs in 2022 in Germany alone. [2]



Strengthens the grid, especially against extreme weather events, preventing blackouts



157,245

Supply interruptions can be counted in 2021 in Germany alone. [3]

These three advantages brought on by energy storage are interdependent, creating a virtuous circle:



When renewable energy is put to waste, gas takes its place, draining money from Europe. Energy storage is vital for renewable energy deployment and grid reinforcement.

GOAL 2

A COMPETITIVE EUROPEAN INDUSTRY

With energy storage, ensure competitive access to energy

Energy Storage: the added value for European industries

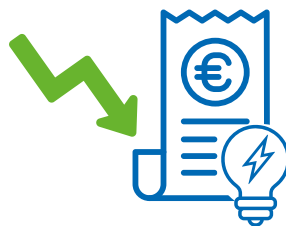


Integrates energy and industry systems, while supporting decarbonisation



2,500 TWh

Of waste heat could be recovered globally, using energy storage systems [4]



Guarantees low, predictable energy prices



Stability

by 'shifting' energy from periods of low prices or surplus to periods of high prices or deficits, thereby smoothing out fluctuations



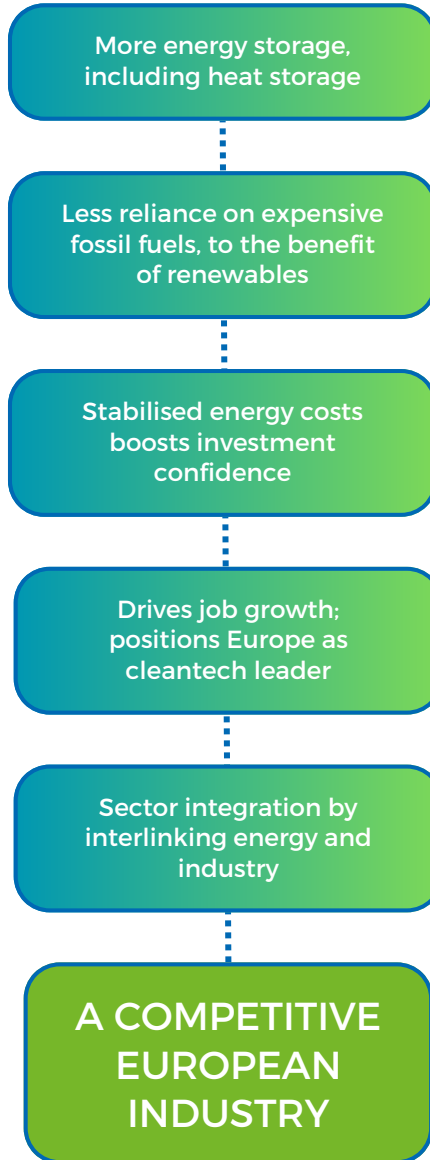
Cuts operational costs



Efficiency

Coupled with low CapEx and low OpEx for industrial consumers

The advantages of deploying energy storage for industrial use are intertwined, creating a positive feedback loop:



*Seeking cheap manufacturing, industries relocate abroad.
With the promise of low, stable energy prices,
Europe attracts investments and protects employment.*

GOAL 3

LOWER ENERGY BILLS

With energy storage, make energy affordable

Energy Storage: the added value for citizens



Shields consumers from fossil fuel price volatility



180€/year

Of savings in France alone are offered by behind-the-meter storage systems through self-consumption [5]



Allows for the storage and trade of green energy at a consumer level



30%

Of the 2022 energy-storage market is attributed to expansion in residential storage installations. [6]



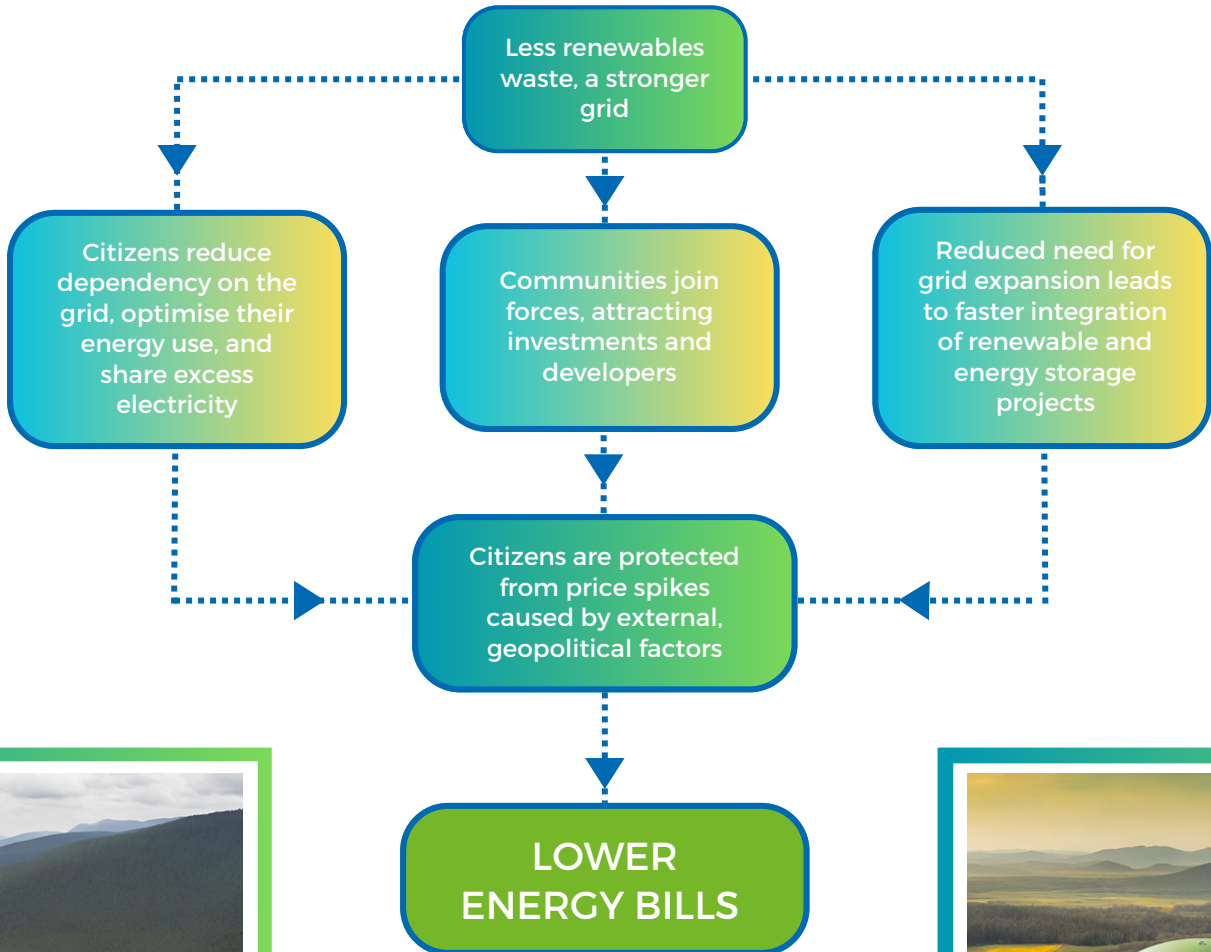
Promotes self-reliance among Europeans, fostering energy independence



90%

Of European households are projected to be covered by 80 million residential battery systems by 2050 [5]

Bills can be lowered through energy storage solutions:



*Citizens can and must profit from the energy transition.
Energy storage is not just an investment into the future:
it tangibly improves the daily lives of Europeans today.*

GOAL 4

A CARBON-FREE EUROPE

With energy storage, minimise Europe's carbon footprint

Energy Storage: the added value for decarbonisation

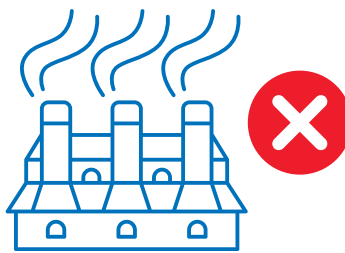


Allows for further renewables deployment by reducing grid congestion



70%

Of the annual market deployment consisted of front-of-the-meter installations (2015-2022) [7]



Replaces polluting flexibility technologies, i.e. gas peakers during demand peaks



80%

Of renewable energy in the EU's electricity system by 2050 leads to a surge in flexibility demands [6]



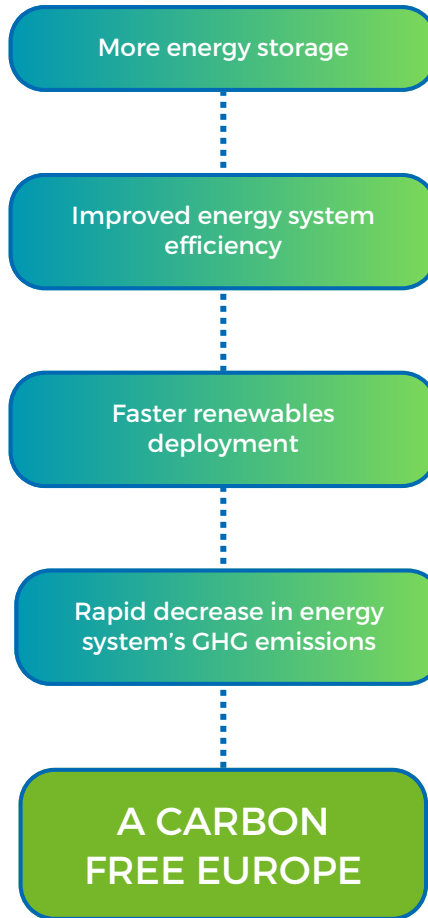
Maximises the use of EU-produced renewable energy by ensuring their availability throughout the year



85-140 TWh

Of energy capacity by 2040, potentially deployed through Long Duration Energy Storage [8]

The role of energy storage in achieving decarbonisation is pivotal:



*Renewables and energy storage go hand in hand in a modern, carbon-free Europe.
Climate action opens the door for new business opportunities
and protects generations of Europeans.*

HOW TO ACHIEVE THESE GOALS?

1

Accelerate regulatory changes in Member States to eliminate persistent barriers. **Ensure ambitious National Energy and Climate Plans**, in line with EU's Recommendations on storage.

- Fully implement the Clean Energy Package, and swiftly transpose the Electricity Market Design.
- Address the legal ambiguities in the Clean Energy Package. For example, clarify that the same energy storage facility can be used by different actors for different services, stacking revenues and improving social welfare.

2

Develop an energy storage strategy to underscore political commitment and stimulate investments.

- Address the coherence and complementarity of the tools and support schemes for storage that are leveraged by Member States – e.g. Auctions, Contract for Differences, and Capacity Markets.
- Clarify how state aid for manufacturing and deployment of energy storage should be aligned in terms of policy priorities.

3

Align the EU Heating and Cooling Strategy with the climate and energy security imperatives. This incentivises renewable and clean technologies such as energy storage for households and Industry.

4

Accelerate the transition to climate neutrality by swiftly **writing into law the proposed emissions reduction target by 2040** – therefore catalysing investments that facilitate the deployment of renewables and energy storage.

5

Introduce new market products and develop local flexibility markets. This integrates new renewable sources, limits curtailment, and solves network constraints and congestion in a cost-efficient manner.

6

Ensure fair grid fees, charges and eliminate double taxation for energy storage. Energy storage's positive effects to the grid should be taken into account.

Conclusion

In closing, this manifesto underscores the critical role of energy storage in shaping a resilient future for Europe. The transformative power of energy storage emerges as the key to simultaneously ensuring a carbon-free planet, bolstering energy security, lowering energy bills, and enhancing competitiveness for industries.

In essence, this manifesto calls for a **comprehensive EU strategy** on energy storage. Vital for independence and security, energy storage not only fortifies our grid against climate challenges but also emerges as a practical and cost-effective solution to replace polluting capacity and use more home grown renewables. By accelerating decarbonisation through innovative storage solutions, we ensure a cleaner, more flexible, and secure energy future for Europe.

Let's accelerate decarbonisation with innovative storage solutions, leading Europe toward a resilient future!

Energise Europe, Empower its People

Energy storage for a resilient future!



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[7] EASE: European Energy Storage Market Report, 2023

[8] LDES Council: Net-zero power: Long Duration Energy Storage for a renewable grid, McKinsey & Company, 2021, available at: [LDES council brochure](#)



About EASE:

The European Association for Storage of Energy (EASE) is the leading member - supported association representing organisations active across the entire energy storage value chain. EASE supports the deployment of energy storage to further the cost-effective transition to a resilient, carbon-neutral, and secure energy system. Together, EASE members have significant expertise across all major storage technologies and applications. This allows us to generate new ideas and policy recommendations that are essential to build a regulatory framework that is supportive of storage.

For more information please visit www.ease-storage.eu

Disclaimer:

This content was elaborated by EASE and reflects a consolidated view of its members from an energy storage point of view. Individual EASE members may adopt different positions on certain topics from their corporate standpoint.

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