

Flow batteries

Reliable & Sustainable Long Duration Energy Storage

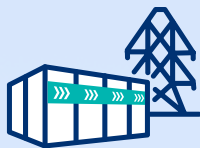
The key solution to maintaining a stable energy supply and enhancing grid stability in light of the increasing share of renewables

Why flow batteries?

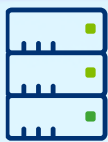
Flow batteries are a **safe & scalable long-duration energy storage (LDES)** solution designed to support a fully renewable and independent energy system.



C&I/Microgrids



Utility-scale storage



Data centers



Emergency
back-up power

Flow batteries are an ideal solution to meet national energy security needs, offering:



Long operational life exceeding 20 years, with no degradation



Utilise abundant materials and are **easily recyclable**



Cost effective for storage applications greater than 4 hours



Non-flammable and safe battery technology



A **sustainable** way to store renewable energy

Flow battery value chain: Economic contribution to the EU



Flow batteries are **market-ready, recyclable, long-lasting and are vital LDES solutions**. They **support large-scale renewable adoption, grid stability and resilience & the EU's strategic autonomy**.



€1–2 billion

estimated annual GDP contribution by 2030



€1–1.5 billion

of flow batteries expected to be exported annually to non EU countries by 2030



Only 7%

of the world's flow battery projects were installed in Europe (over the last 10 years)



>120 000

indirect jobs by 2030

Action is needed now to support the growth of the European flow battery industry

We call on European leaders to:

1



Integrate LDES & flow batteries into EU energy policies

2



Set deployment targets for LDES linked to renewable energy

3



Support European manufacturing of flow batteries

4



Implement financial & regulatory mechanisms for long-term revenue for LDES

5



Increase EU funding to flow battery demonstration & deployment projects

6



Ensure level playing field & fair market access

**Make flow batteries a pillar of Europe's energy strategy.
Back innovation. Build resilience. Invest in our future.**

