



# Support across your investment journey

## Enabling you to build a successful storage business, from market entry through to operation



## Training

## **Energy system training courses**

Familiarise your team with the fundamentals of investing in & operating storage assets, including key risks & opportunities across Europe, in the energy transition **Bespoke training** 

We will work with you to deliver bespoke training for your business need



## **Subscription research services**

#### European Storage Research Service

Keep ahead of key trends and issues, and identify strategic opportunities in the energy storage market across Europe.

## **European Flexibility Research Service**

Data-driven market analyses to best identify emerging markets, strategies and propositions for flexibility across Europe



## **Data products & software services**

#### Enact

Real time trading and optimisation support for battery optimisers, and leaderboards and asset performance analysis to track competition.

#### **STOREtrack**

Identify opportunities in energy storage across Europe, deep dive into projects and companies and help answer key strategic questions.

## FLEXtrack

Real time and historical tracking of the value of ancillary markets across Europe, to quantify the value of flexibility in each market.



## **Bespoke consulting**

## Market entry strategic advice

Tailored strategic advice on market entry and sizing across Europe.

### Due diligence and revenue forecasting

Detailed, bottom-up revenue forecasts for GB and Irish BESS assets used to inform investment strategy and support project finance.

## Site and technical characteristic selection support

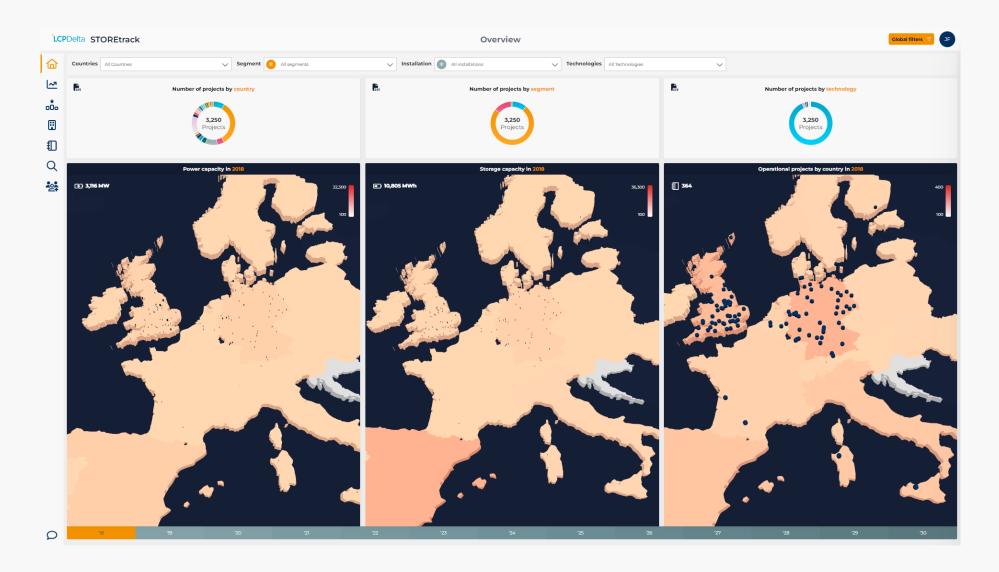
Understand the impact of locations, co-location options, duration and more on your BESS asset

#### **Economics services**

Providing strategic insight into commercial decisions, delivering expert market analysis, and assessing policy impacts



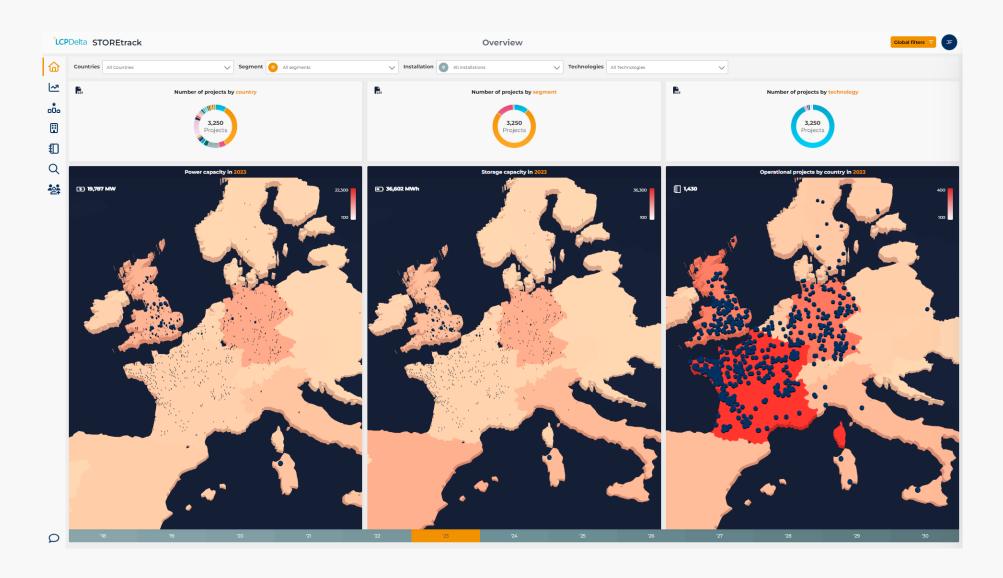
# Pipelines and Projects





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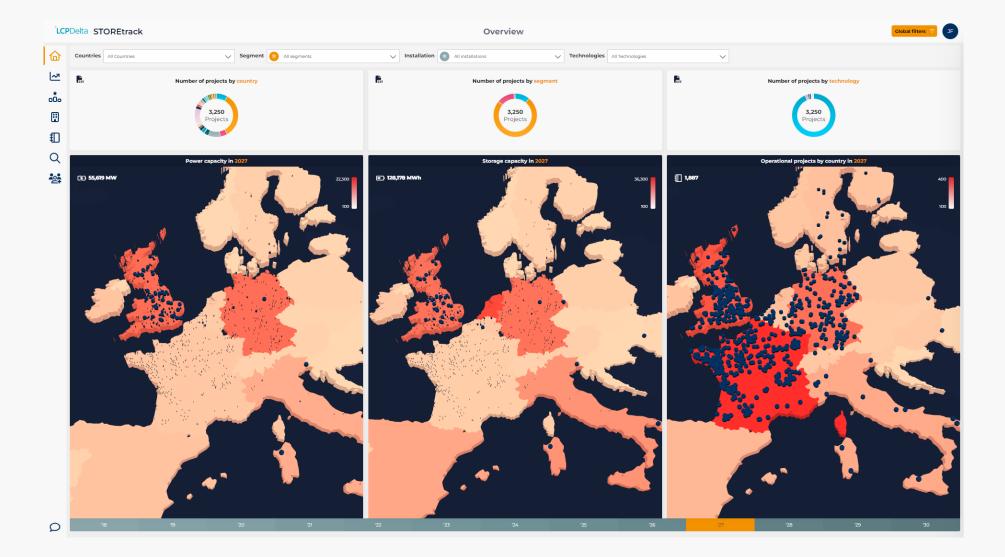






**LCP**Delta

# Pipelines and Projects



# **Policies**



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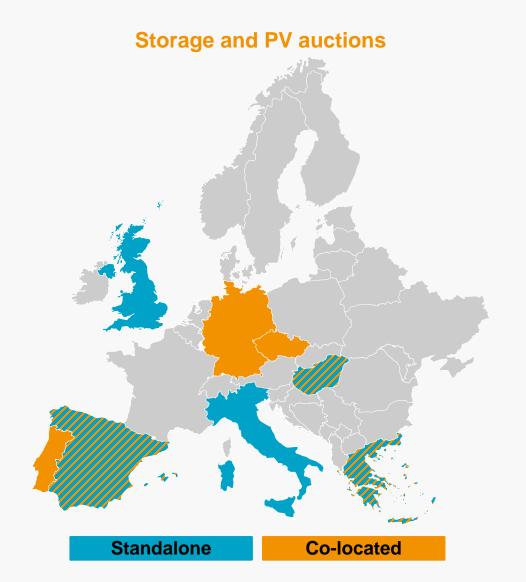


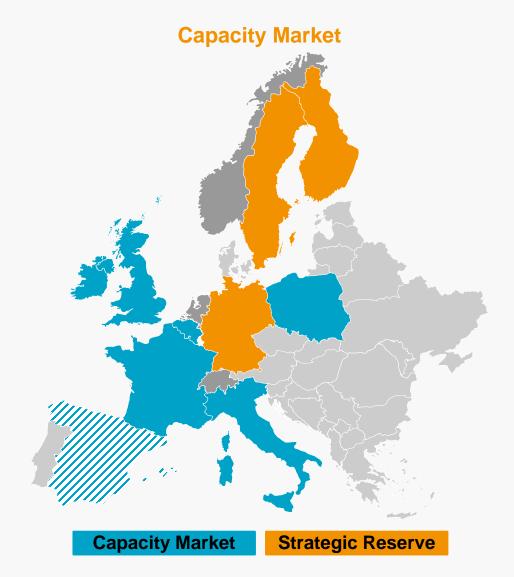




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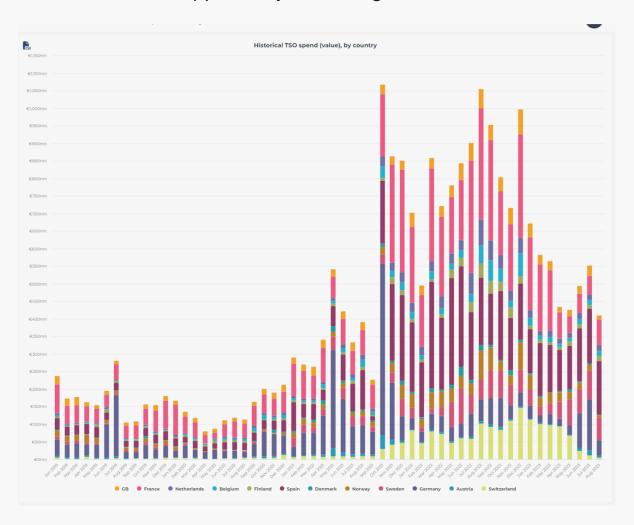
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Potential market opportunity for storage assets



# **Prices**

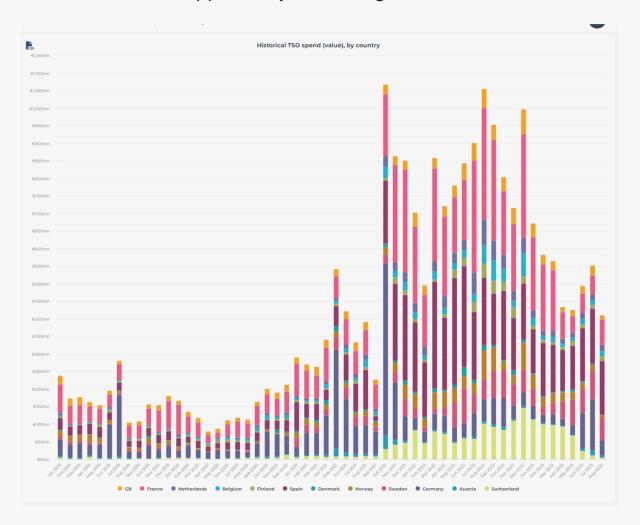
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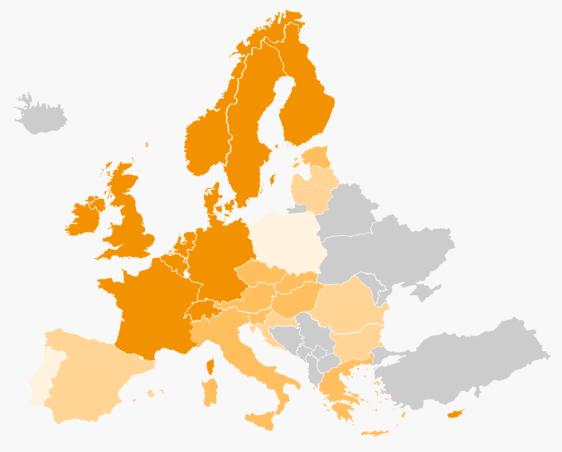




## **Prices**

## Potential market opportunity for storage assets





Market accessibility and market openness

LCP Delta/smartEn Flexibility Market Monitor 2023



Flag size relates to FoM size in 2025 : some policy support will take more to impact (e.g. Hungary, Poland)

Large –scale storage policy support

Market openness



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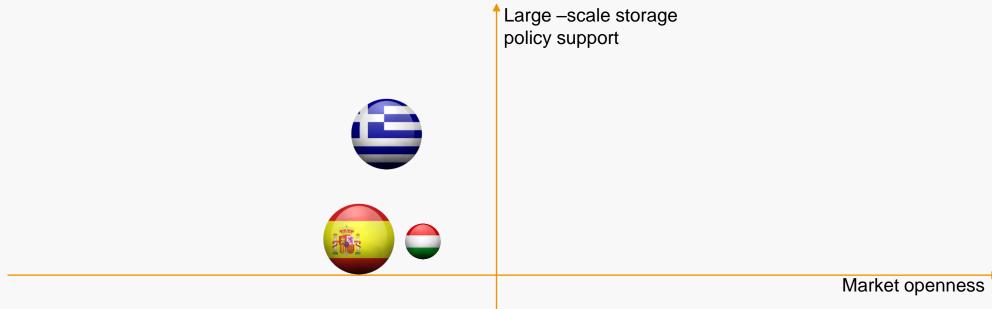
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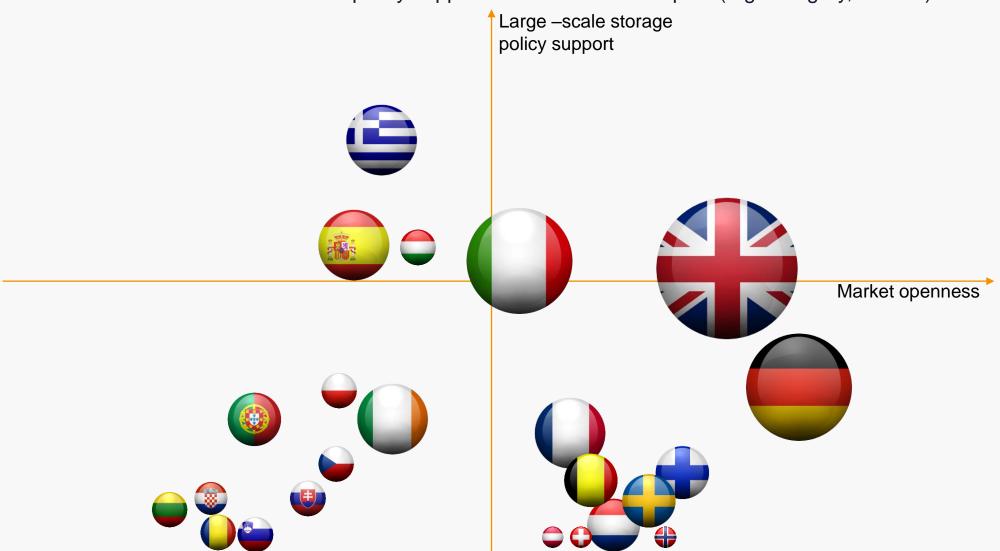


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# Partnerships: Traditional Utility

**BigBattery Lausitz, Germany** 

The project,co-located with LEAG's "Schwarze Pumpe" lignite plant in Brandenburg, is operational since 2020



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## **BigBattery Lausitz, Germany**

The project,co-located with LEAG's "Schwarze Pumpe" lignite plant in Brandenburg, is operational since 2020

**Owner** 

**Financer** 

**Developer** 

Technology provider

**LG** Chem

Operator

**Optimiser** 

LEAG 🔾

Investitionsbank
des Landes
Brandenburg

EGEM

SMA

LEAG 🔾

LEAG 🔾

LEAG, a company specialised in the extraction and conversion of lignite into electricity and heat is the owner of the plant.

The project required a capital of 25 million Euros; of which 4 million Euros were provided by the **State of Brandeburg.** 

EGEM, a Czech engineering an contracting company, was the main contractor for the project.

LG Chem
provided the
batteries for the
project, while
SMA provided
the inverters.

**LEAG**, is also the operator.

**LEAG**, is also the optimiser.



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The project actually consists of 2x50MW battery installations in adjacent locations and is fully operational since July 2021



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Penso Power

CATL SAMSUNG

SUNGROW

æs

**limejump** 



Initially developed by Luminous Energy with Low Carbon, the project was acquired by **China Huaneng Group** and **CNIC**, a Chinese government backed fund. Following the acquisition of the project,

Penso Power were contracted the management of the project's construction and overall development.

Sungrow is the system integrator using NMC and LFP battery storage from CATL and Samsung.

RES Group won a tender to provide O&M services to the project in August 2021. Shell Energy
Europe signed a
multi-year
power offtake
deal for the
initial 100MW of
the project in
2020. Limejump
(owned by
Shell) optimise
the batteries
and is the party
responsible for
the plant's
trading.



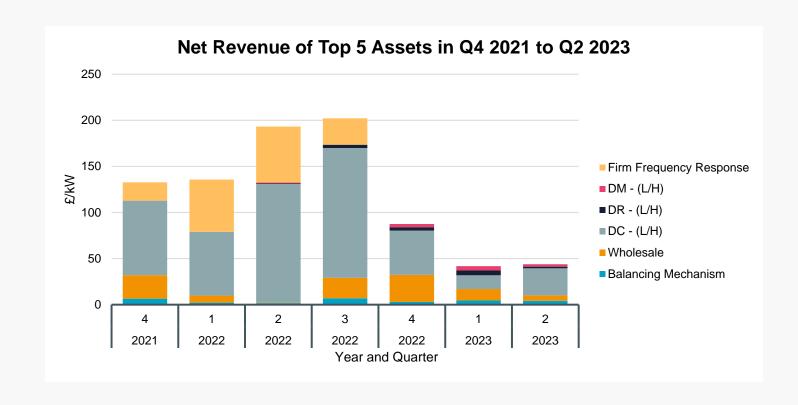
# **Profit**

Net revenue has fallen as strategies become more complex



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## Net revenue has fallen as strategies become more complex



## Contact us





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