



ENERGY STORAGE ONLINE SESSIONS MARCH & JUNE 2023

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Energy Storage

Online Sessions – March 2023

Session 1

Introduction to energy storage

March 14th – June 20th, 2:00 PM – 5:00 PM CEST

Session 2

Business models and revenue streams in Europe

March 16th – June 22nd, 2:00 PM – 5:00 PM CEST

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Introduction to energy storage

Applications

Technologies

Costs

Risks



Objectives

Global energy storage markets, taking a look at the broader picture from an international perspective

Energy storage technologies and applications



Who should attend?

Any stakeholder interested in understanding the energy storage markets and the different technologies available



Prerequisites

None

Introduction to energy storage

Applications

Technologies

Costs

Risks

When:

March 14th, 2023, 2:00 PM to 5:00 PM CEST

June 20th, 2023, 2:00 PM to 5:00 PM CEST

What's included:

- 3-hour live webinar
- Q&A
- Training slides

Price:

- **400 EUR net of VAT per participant**
- **GROUP DISCOUNT** (3 - 5 participants from the same company): benefit from a total price of 1 000 EUR net of VAT per session

Introduction to energy storage

Applications

Technologies

Costs

Risks

1

Introduction to international storage markets

- Brief overview of energy storage technologies
- Energy storage leaderboard
- Main applications of utility-scale energy storage

2

Lithium-ion: what to expect for the next decade ?

- Breakdown of the turn-key battery storage system cost
- NMC vs LFP, what is at stake
- The fire risk explained
- Recycling & repurposing

3

Global market trends

- Choosing between AC- and DC- coupling
- Aggregation: a must-have for storage

Business models and revenue streams for energy storage in Europe in 2023



Objectives

This session is a great introduction to:

Understanding of the market structure in Europe and its benefits for energy storage
Understanding of the market developments for storage to provide a variety of services across the electricity supply chain (generation, transmission, distribution)



Who should attend?

Investors, developers, independent power producers willing to have a good level of understanding of the different revenue streams available for storage system in Europe.

This session is also a good opportunity for stakeholders worldwide to understand how the European market structure enables storage development through revenue stacking to maximize benefits.



Prerequisites

None

Business models and revenue streams for energy storage in Europe in 2023

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Detailed agenda – Session 2

Business models and revenue streams for energy storage in Europe in 2023

1

Introduction to European storage markets

- Overview of installed capacity per country

2

Capacity markets

- Why do we need capacity payments
- The strike price model VS the availability model
- Example of the French long-term capacity auction

3

Frequency Containment Reserve

- The FCR cooperation
- FCR price : where will the decline end ?

Detailed agenda – Session 2

Business models and revenue streams for energy storage in Europe in 2023

4

Fast frequency control services

- The growing need for fast frequency control
- Example of the Dynamic Containment, Great Britain's most lucrative ancillary service

5

Secondary reserve markets

- The PICASSO cooperation project
- How to generate revenue with storage assets on the aFRR
- Example of Belgium: energy storage takes advantage of Elia's new aFRR format

6

Conclusion

- Mapping of the major opportunities for storage in Europe
- A quantitative forecast of the storage landscape in 2025

Registration Process

ONLINE REGISTRATION on <https://www.cleanhorizon.com/online-store> :

Interested in signing up for both sessions (when applicable)?

You can benefit from an additional discount if you sign up to the 2-in-1 session package!!!

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- The title of the training webinar for which you want to book attendance
- The first name and family names of the attendee(s)

FOR MORE INFO, please feel free to contact us at training@cleanhorizon.com



If you have any questions, please reach out to:

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