



ENERGY STORAGE 2023

13th & 14th September 2023 / London, United Kingdom

Powering the Future: Overcoming Today's Energy Storage Challenges with Cutting-Edge Innovations

Key Topics

- Overview on the Energy Storage Market
- Policy and Regulation Framework
- Case Studies of Energy Storage
- Outlook on the Costs, Finance Solutions and Investment Options
- Evaluating the Technical Development of Battery Systems
- Optimising Business Strategies within Energy Storage
- Hydrogen: Threat or Friend of Battery Storage?
- Assessing the Critical Minerals Market within Energy Storage
- Improving Long Term Storage Solutions

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for Storage of Energy

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ACI's Energy Storage 2023 will be taking place in London, UK on 13th & 14th September 2023. The two day event will bring together the senior representatives of key stakeholders involved in the energy storage sector from utility providers, power generators, technology developers, energy storage service providers and policy regulators.

We are excited to bring back the event with a bigger and better than ever attitude. After a 3 year hiatus we will cover many crucial topics concerning energy storage and all the relevant sectors. Developing strategies to combat the shortfall of grid connections and exploring the implications of REMA and other policies.

More topics will include reviewing new energy storage systems and their technologies and improving long term storage options. Also exploring alternative options in the lithium



Who Will Attend?

- Senior Representatives from National Utility Companies
- Technology Developers
- Energy Storage Providers
- Policy Regulators
- Energy Storage Consultants
- Renewable Energy Providers
- Consultancies
- Energy Providers
- Investors



Registration Is Simple

If you would like to register for this event or wish to find out more information, you can contact Mohammad Ahsan using any of the following methods:

Tel: +44 (0) 203 141 0606

Email: mahsan@acieu.net

Conference Fees

Conference (Includes Documentation Packet)	£1,895 (Excl.)
Documentation Packet Only	£495

Members and customers of all supporting organisations are entitled to a discount off their conference



Opportunities to Meet Your Target Au-

Showcase your technologies to the industry, with opportunities to demonstrate the capabilities of your latest products and services. Companies can gain direct access to our senior level audience and have an increased level of visibility and exposure through branding and networking at the conference. This will allow you to attract new business and forge lasting commercial relationships.

For information on available commercial opportunities, please contact:

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DAY 1

Wednesday 13th of September 2023

08:00 **REGISTRATION & COFFEE**

09:00 **CHAIRMAN'S OPENING REMARKS**



Michelle T Davies
Partner
EY

09:15 **SESSION ONE**

Market Update & Future Trends

- An account of global energy market and areas for growth
- Looking at the refinement of the value chain
- Highlighting other territories within Europe for energy storage
- Exploring energy prices over the last 3 years and developing an algorithm for the future



Michelle T Davies
Partner
EY

10:00 **SESSION TWO**

Update on Policies & Regulations

- Implementation of the Electricity Generator Levy
- Gaining insight into REMA and overcoming issues that may arise
- Reviewing new European energy storage regulations and their impact on grid connections

Long-term auctions for the Procurement of Storage Capacity in the Italian Market



Salvatore De Carlo
Head of System Strategy and Positioning
Terna SpA



Jean-Pascal Boutin
Partner
EY



Tor Eigil Hodne
Senior Vice President European Affairs
Statnett SF

11:15 **MORNING REFRESHMENTS**

11:45 **CONFERENCE PRESENTATION**

Developments in Geothermal Energy Storage

- In depth analysis of the extraction process
- Advantages of geothermal energy storage and future trends

12:30

CONFERENCE PRESENTATION

The Future of Energy Storage

The Roles of Energy Storage in a Net Zero Electricity System

- The roles that energy storage plays in the electricity system now
- How the features of a net zero electricity system will drive new needs for energy storage storage
- How energy storage will compete with other technologies to meet system needs



Alex Hart
EV and Storage Manager
National Grid ESO

13:15

LUNCH

14:15

SESSION THREE

Hydrogen: Threat or Friend of Battery Storage?

The Role of Hydrogen in Future Energy Systems

- The need for hydrogen in renewable energy systems: upstream and downstream perspectives
- How hydrogen can be used for balancing geographic and temporal imbalances in global energy systems
- Developing the business case for large-scale hydrogen production, transport, and end use



Hannah Bryson-Jones
Director
Delta H Consulting Ltd



Dominik Bruckner
Manager Strategic Analytics and Modeling
Hydrogenious LOHC Technologies GmbH

16:05

AFTERNOON REFRESHMENTS

16:35

SESSION FOUR

Assessing Energy Storage Supply Chain and Critical Minerals Market

- Diversifying the energy storage supply chain in an era of commodity ultra-volatility.
- The impact of the US Inflation Reduction Act, EU Critical Raw Materials Act and UK Critical Minerals Strategy
- Future-proofing the supply chain: what next?



Guy Winter
Partner
Fasken

How the Energy Transition is Shaped by the Geopolitics of Critical Minerals

- How increasing monopolistic behaviour is driving Western diversification
- Integrating supply chains and the race for international partners
- The impact of the energy transition and its raw material needs on the global south and emerging tensions
- Building energy storage capacity responsibly



Olimpia Pilch
Chief Operating Officer
Critical Minerals International Alliance

How the Energy Transition is Shaped by the Geopolitics of Critical Minerals

- Energy storage is creating a massive need for critical minerals.
- Advancing new battery chemistries is vital to mitigating critical material supply risks.
- Golden opportunities to decarbonize the energy storage supply chain.



Dr Kevin Gunan Shang
Senior Research Analyst
Wood Mackenzie

18:25 **CLOSE OF DAY ONE**

DAY 2

Thursday 14th of September 2023

08:30 **REGISTRATION & COFFEE**

09:00 **CHAIRMAN'S OPENING REMARKS**



Michelle T Davies
Partner
EY

09:05 **SESSION FIVE**
PART ONE: Strategies to Overcome Grid Connections

- Highlighting current issues in grid connections.
- Remodelling the grid to support energy storage solutions in order to reach net zero target in 2050
- Exploring third party storage systems to support grid flexibility

Long-Duration Energy Storage in Support of Renewable Build-out – a European perspective



Riccardo Zanetti
Senior Business Developer
Ørsted

Ray Arrell
Head of Future Energy Systems
Regen

PART TWO: Flexibility Opportunities to Meet Net Zero



Carol Choi
Flexibility Markets Developer
UK Power Networks



Sophie Bolden
Head of Smart Energy
Department of Energy Security and Net Zero

10:55 **MORNING REFRESHMENTS**

11:25 **CONFERENCE PRESENTATION**
Assessing and Improving Long Duration Storage Solutions

- Looking at a clear business model for long duration energy storage.
- Challenges & opportunities for long-term storage
- Determining LDES alternatives and assessing the current prediction of large renewable
- Case study of the first green valley experience.

12:15 **CONFERENCE PRESENTATION**
Benchmarking Battery Storage Revenues

- Best practices to implement local flexibility/capacity energy markets in different European countries to help build a clear business case for ESS.
- Gaining insights in the current state of bankability of storage projects.
- Implementing a standardisation of revenues, cost of debts, CAPEX/OPEX, return on investments to meet investors expectations.



Mike Ryan
Commercial Director
Constantine Energy Storage

13:00 **LUNCH**

14:00 **SESSION SIX**
Gaining Insights into Technological Advancements

- Assessing Current SCADA/ADMS tools and evolving to provide the adequate degree of automation.
- Technology push: new sites, storage and systems for renewable energy

London, UK



Kishor Sharma
Commercial Manager BESS
Ingeteam

15:15

PANEL DISCUSSION

Optimising Business Strategies

- Implementation of the Electricity Generator Levy and what it means for RES.
- Developing measures to improve business activities for energy storage.
- Improving current energy storage business models and evaluating their profitability.



Kshitiz Agarwal
Senior Associate Director
Jacobs

16:00

CHAIRMAN'S CLOSING REMARKS

16:10

END OF CONFERENCE & AFTERNOON REFRESHMENTS

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Green Mobility Magazine

