



ENERGY STORAGE 2020

BERLIN, GERMANY
15 - 16 JANUARY

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
- Discussing the Potential of Small Scale Energy Storage and the Implications for Grid-Scale
- Evaluating the Actual Outlook on Renewable Energy
- The role of Electric Vehicles in the Energy Storage Industry
- Activities in the Area of Smart Grids

The Conference

ACI's Energy Storage 2020 will be taking place in Berlin, Germany on 15-16 January 2020. The two day event will bring together the senior representatives of the different stakeholders involved in the energy storage sector from utility providers, power generators, technology developers, energy storage service providers and policy regulators.



You are kindly invited to the first European Energy Storage Conference of the year to discover the key topics and updates from the latest developments in essential areas of the energy storage market.

Confirmed Topics for Discussion

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- Activities in the Area of Smart Grids

Who will be attending?

This conference invites senior representatives from national utility companies, technology developers, energy storage service providers, policy regulators and industry analysts.

Energy investors, research organisations, consultants in energy storage, power generators, distribution network, transmission system operators, service operator companies and others will come to discuss perspectives & market opportunities for Energy Storage development.

Registration is simple:

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

Tel: + 44 (0) 20 3141 0606

Email: mahsan@acieu.net

Commercial & Sponsorship Opportunities:

With leading companies and organizations from the industry attending and speaking at our event, we have the perfect vehicle to provide outstanding exposure to a senior level audience.

There are various sponsorship packages available, including sponsorship of a drinks reception on the first evening of the event and sponsorship of a networking lunch.

For further details, please contact:

Krisztina Maria Szabo

+44 (0) 20 3141 0603

kszabo@acieu.net

Speaking Opportunities:

If you would like to be considered for a speaking opportunity at the event, with a 20-30 minute presentation, please submit an abstract to **Beatriz Montero**:

Tel: +44 (0) 203 1410611

Email: bmontero@acieu.net

DAY 1

Wednesday 15th January 2020

08:00 **REGISTRATION & COFFEE**

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



Pablo Ralon
Associate Programme
Officer, Renewable Energy Cost Status
& Outlook
IRENA

09:15 **CONFERENCE PRESENTATION**
Overview on the Energy Storage
Energy storage in 2020: towards a 100% renewable future

- The merchant storage model: what does it deliver to the energy system
- Co-location with renewable generation: greater than the sum of their parts
- Changing energy demand: how energy consumption can play its part
- What we've achieved so far and where we go from here



Benjamin Lock
Partner
Everoze Partners Limited

10:00 **SESSION ONE**
Policy and Regulation Framework: The European Green Deal

- The value of flexibility and storage



Tor Hodne
Senior Vice President
Stanett

European Green Deal Regulation

- Implementation of Clean Energy package: challenges and opportunities
- National Energy and Climate Plans



Patrick Clerens
Secretary General
European Association for the Storage of Energy

11:15 **MORNING REFRESHMENTS**

11:45

SESSION TWO

Case studies of Energy Storage

- Analysing different projects
- Challenges, technologies, and methodology application during the process of building a project plan



Vytautas Kieras
Head of Innovation and Partnerships
Ignitis

ABS in the Power Grid: High-Dynamic Services by Intelligent Storage Systems

- Challenges which the transmission system operators currently deal with
- Contribution of R&I to keep the stability of the future electricity system
- Intelligent storage systems as a part of the solution
- "ABS in the power grid" as a high dynamic system for successful energy transition



Michaela Leonhardt
Project Manager, Energy Research
Austrian Power Grid AG

Energy Storage for RES Grid integration: Case Studies

- Examples of diverse applications of energy storage and technologies
- Results and lessons learnt from pilot plants
- Overcoming technical and economic challenges



Raquel Garde
Responsible Energy Storage Area
CENER - National Renewable Energy Centre

13:35

LUNCH

14:35

SESSION THREE

Evaluating the Technical Development of Battery Systems

- Analysing the variety of batteries, their life cycle and the possibilities of the installation area
- Discussing the progression of sustainability in battery systems to reduce environmental impact



Matthias Leuthold
Head Of Storage
Res group

Beyond lithium-ion batteries: Insights from global project developments and emerging battery technologies

- Overview of global market and project developments in battery energy storage
- Insight into supply chain and battery production
- Looking beyond lithium-ion battery systems at emerging technologies and hybrid projects



Lara Juergens
Senior Energy Analyst
EIC (Energy Industries Council)

15:50

PANEL DISCUSSION

Outlook on the Costs, Finance Solutions and Investment Options Electricity storage and renewables: cost effectiveness outlook

- The improving cost effectiveness of electricity storage: an opportunity to accelerate the energy transformation
- Energy storage as a climate-proof investment. Electricity storage can drive a rapid decarbonisation in key segments of energy use.
- Stationary electricity storage to become increasingly competitive, the range of economical services it can provide will only increase.
- Total installed costs continue to fall for Li-ion while other battery storage technologies also offer large cost reduction potential.



Pablo Ralon
Associate Programme
Officer, Renewable Energy Cost Status
& Outlook
IRENA

Energy Storage Investments: The next decades

- Energy Storage outlook 2019
- Impact investing
- Easing the risks of investment



José Oliveira Paulo
President of the Board
ENERGYIN

16:35

AFTERNOON REFRESHMENTS

17:05

SESSION FOUR

Discussing the Potential of Small Scale Energy Storage and the Implications for Grid-Scale

- Producing energy for own consumption
 - Assessing the right way to use energy storage from a utilities' perspective
 - Integrating use of solar panels for household and daily storage
 - The role of local generation and combo storage
- ### Deployment of energy storage in micro grid and balancing group
- Energy production and consumption in one
 - Technical and economic grid optimization
 - The effects of microgrids on energy networks



Smik Marian
CEO
A.EN.INVENT AG

18:20

CLOSE OF DAY ONE

DAY 2

Thursday 16th January 2020

08:30

REGISTRATION & COFFEE

09:00

CHAIRMAN'S OPENING REMARKS



Pablo Ralon
Associate Programme
Officer, Renewable Energy Cost Status
& Outlook
IRENA

09:05

SESSION FIVE

Evaluating the Actual Outlook on Renewable Energy

- Current status of renewable energy
- Prediction for uptake and transition to low
- Technological requirements inc. smart grids, energy storage



Prof. Martin Foster
Electrical Machines & Drives
Research Group Department of
Electronic & Electrical Engineering
University of Sheffield

EU outlook for renewable energies

- EU energy demand analysis
- EU outlook for storage systems
- EU system optimization



Prof. Edgar Harzfeld
Electrical Power Engineering &
Renewable Energy
Hochschule Stralsund

10:55 MORNING REFRESHMENTS

11:25 SESSION SIX

The Role of Electric Vehicles in the Energy Storage Industry

- How electric vehicles can help to the production on Energy Storage
- Assessing the potential for decentralised energy storage



Shane Slater
Director
Element Energy

Using Second Life Batteries in Energy Storage Systems

- Feasibility, market and business models



Hans Eric Melin
Director
Circular Energy Storage



Alicia Carrasco
CEO
olivoENERGY

13:15 LUNCH

14:15 SESSION SEVEN

Activities in the Area of Smart Grids

Putting flexibility into smart grids: the crucial role of energy storage

- Which grid-level services are being delivered by stationary energy storage today?
- Which new services will be delivered by stationary and mobile energy storage in smart grids?
- Which applications will come first and which will deliver the best yields



Tobias Rothacher
Senior Manager PV & Energy
Storage
GTAI

Scaling up flexibility to achieve net zero emissions

- How much flexibility and storage do we need to achieve net zero?
- Why don't we have enough already? (Barriers and uncertainties)
- What does Government need to do?
- What do national system operators need to do?
- What do distribution system operators need to do?



Rick Parfett
Policy Manager
**The Association for
Decentralised Energy**

15:30 CHAIRMAN'S CLOSING REMARKS



Pablo Ralon
Associate Programme
Officer, Renewable Energy Cost Status
& Outlook
IRENA

15:40 END OF CONFERENCE & AFTERNOON REFRESHMENTS

More Information & Registration

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Tel: +44 (0) 203 141 0606

Email: mahsan@acieu.net

Web: <http://www.acieu.net>

Addr: 10 Gough Square, London, EC4A 3DE

Registration is simple

Conference (Includes Documentation Packet)
15-16 January 2020

£1,695
(ex. Vat)

Documentation Packet Only

£470

Please note: Members and customers of all supporting organizations are entitled to a discount off their conference package.

For more information please call +44 (0) 203 141 0606

Documentation Packet Available

We are selling the Energy Storage 2020 papers at just £440 (+£30 P&P) Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This important manual will be a source of invaluable reference for the future.

Event Partners:



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Power World
analysis



www.smart-grids.pl



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www.wplgroup.com/acie

Terms & Conditions

Payment

Payment must be received within five business days of returning the signed contract. After receiving payment a VAT receipt will be issued. If you do not receive a letter outlining details two weeks prior to the event, please contact the Conference Coordinator at ACI Europe Ltd.

Discounts are available for multiple/group bookings. Please call +44 (0) 203 141 0606 for more information.

Cancellations

Substitutions are welcome up to 24 hours prior to the event. Cancellations must be received in writing no less than 3 weeks prior to the start of the conference; a full credit voucher towards a future ACI conference will be issued. Any cancellation received less than 3 weeks prior to the start of the event shall be deemed to be a breach of this contract by client, and accordingly, no credits will be given. Cancellations must be received in writing by mail or fax three weeks before the conference. Thereafter the full conference fee is payable. If for any reason ACI Europe Ltd decides to amend, cancel or postpone this conference, the conference fee will not be refunded. Furthermore, ACI Europe Ltd will not be responsible for covering airfare, hotel or other costs incurred by registrants, in the event that ACI Europe Ltd cancel or postpone the event, ACI Europe Ltd reserves the right to transfer this booking to another conference to be held in the following twelve months, or to provide a credit of an equivalent amount to another conference within the following twelve months. The construction, validity and performance of this agreement shall be governed in all respects by the laws of England to the exclusive jurisdiction of whose courts the Parties hereby agree to submit.

Accommodation

The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate in due course.

About ACI

ACI, a UK owned company, has been running successful conferences in the USA since 1999. Headquartered in Chicago with offices all around the States, ACI opened its European head office at the end of 2005 and has expanded rapidly, launching a series of events in key industries including maritime, energy, oil & gas, cosmetics, chemicals & media.