CURTIS&WYSS

GRID-SCALE ENERGY STORAGE

Conference

21 - 22 SEP
2023
BARCELONA SPAIN

REGISTRATION

+420 314 004 747
registration@curtiswyss.com

EVENT HIGHLIGHTS

- The potential for energy storage to reduce peak demand on the grid.
- Case studies of successful grid-scale energy storage projects.
- Safety and regulatory considerations for grid-scale energy storage.
- Utility-scale energy storage for grid stabilization and reliability
- Developing sustainable business models for grid-scale energy storage.
- The role of grid-scale energy storage in supporting renewable energy integration.
- Energy storage in remote areas and off-grid applications.

On behalf of Curtis & Wyss Group, it is a pleasure to invite you to participate in the Grid-Scale Energy Storage Conference scheduled on September 21st and 22nd, 2023 in Barcelona, Spain. This conference is an opportunity to exchange knowledge about the most recent scientific developments in the field of Energy Storage Systems. The use of these technologies is rapidly increasing in a variety of industries, including manufacturing, utilities, and renewable energy. As a result, it is important for researchers and professionals to stay up to date on the latest advancements and challenges in this field.

During this conference, leading researchers will discuss a range of topics including the potential for energy storage to reduce the need for transmission and distribution infrastructure, advances in energy storage technologies for grid-scale applications, including Innovative financing models for grid-scale energy storage and the development of appropriate regulations.

Don't miss the opportunity to learn, exchange and connect with the leading brains in the industry. We are looking forward to seeing you at the Grid-Scale Energy Storage Conference!

WHO WE ARE?

Curtis & Wyss offers business facilitation-platforms for clients who want to develop in growth markets. We conduct exhaustive research, match buyers and sellers, then produce high profile events, all with a strategic focus on facilitating deals - all in the right place and at the right time.

OUR VISION

Our vision is to help executives find real-world, timely, need-to-know solutions and become their trusted source of knowledge, ideas exchange and networking. We are excited to perform premier events around Europe, USA,MENA, Asia, Latin America.

INDUSTRIES

- Energy Storage Technology
- Investors
- Utilities And Grid Operators
- Renewable Energy
- Companies
- Academics
- Energy Storage Service
- Regulators And Policy Makers
- Financial Institutions

AUDIENCE

Directors, VPs, Managers and Heads of:

- Energy Storage Technology Providers
- Renewable Energy Developers
- Utilities
- Scientists And Researchers
- Business Development

For taking part in the event, please send your registration form to ***registration@curtiswyss.com***

KEYNOTE SPEAKERS

JAN LIBICEK
Investment Director
Triple Point

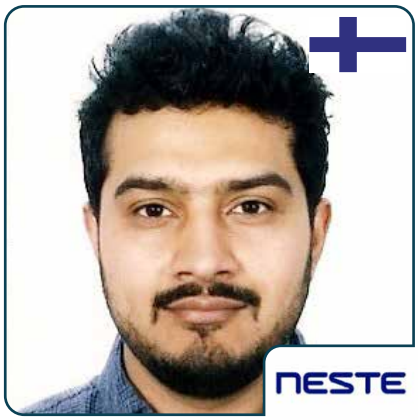
ROBERTO CASTIGLIONI
Co-Founder and CEO
Ikigai Capital

CHRISTIAN BARBA RODULFO
International Business Development and Storage Director
EDP Renewables

STEPHEN CROSHER
CEO and Principal Co-Founder
RheEnergise

TIM TURNER
Project Development and Strategy
Kona Energy

ALEXIS CHALOT
VP Storage, Microgrid and New Business
EDF Renouvelables



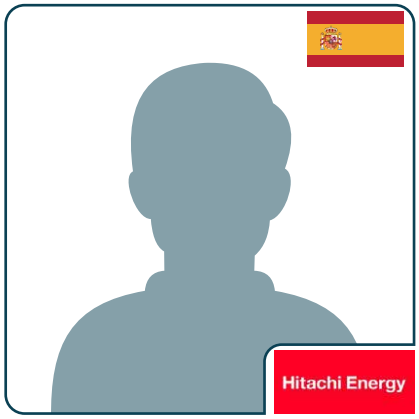
AFAQ LATIF
Lead Data Engineer
Neste

ANASTASIOS CHRISTAKIS
Senior Investment Director
CLARITAS Investments

GAYATHRI NAIR
Associate Programme Officer
Renewable Energy Grid Integration
IRENA

This premier B2B event will bring together experts from all levels of the value chain to ensure quality knowledge transfer and professional exchange

KEYNOTE SPEAKERS



JOSUE MUNOZ
Power grid Energy Storage BESS
Hitachi Energy

MICHELE LAURITANO
Senior Consultant
Everoze Partners Ltd

EURICO CORREIA
Refinery Process / Operations Engineer
Galp

KEYNOTE
Sponsorship Slot

This premier B2B event will bring together experts from all levels of the value chain to ensure quality knowledge transfer and professional exchange

AGENDA

21 SEP 2023

9:00 — **REGISTRATION AND WELCOME COFFEE**

9:30 — **OPENING ADDRESS FROM THE CHAIRMAN**

9:40

MICHELE LAURITANO
Senior Consultant
Everoze Partners Ltd

MAXIMIZING THE VALUE OF ENERGY STORAGE SYSTEMS THROUGH MARKET PARTICIPATION

Case study

- *By participating in real-time energy trading, energy storage systems can buy low and sell high to maximize their value.*
- *Energy storage systems can also participate in frequency regulation, which involves adjusting the flow of electricity to maintain a stable frequency on the grid*
- *Some utilities offer time-of-use pricing, which means that electricity prices vary based on the time of day*
- *Energy storage systems can also participate in demand response programs, which involve reducing electricity consumption during times of peak demand*

10:20

TIM TURNER
Project Development and Strategy
Kona Energy

IMPROVING GRID STABILITY WITH GRID-SCALE BATTERY ENERGY STORAGE SYSTEMS

Case study

- *Grid-scale battery energy storage systems can provide voltage support by absorbing excess energy when voltage is high and releasing stored energy when voltage is low*
- *Grid-scale battery energy storage systems can also be used for peak shaving, which involves storing energy during low-demand periods and releasing it during high-demand periods*
- *Battery energy storage systems can provide spinning reserve, which is a reserve of energy that can be quickly dispatched in case of an unexpected outage*
- *Battery energy storage systems can also provide black start capability, which means that they can quickly restart the grid in case of a total blackout*

11:00 — **MORNING COFFEE AND NETWORKING BREAK**

11:30

ALEXIS CHALOT
VP Storage, Microgrid and New Business
EDF Renouvelables

USING ENERGY STORAGE SYSTEMS TO INCREASE THE PENETRATION OF RENEWABLE ENERGY SOURCES

Case study

- *Energy storage systems can shift energy demand from high-demand periods to low-demand periods.*
- *Renewable energy sources, such as wind and solar, can be intermittent*
- *Energy storage systems can provide backup power for renewable energy sources, which can help ensure a consistent supply of energy even in the event of a weather-related outage.*

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- *Energy storage systems can also be used to create microgrids, which can operate independently of the main power grid.*

12:10

AFAQ LATIF
Lead Data Engineer
Neste

REDUCING ENERGY COSTS WITH ENERGY STORAGE SYSTEMS IN INDUSTRIAL APPLICATIONS

Case study

- *Energy storage systems can be used to store electricity during off-peak hours when the electricity rates are lower, and then use it during peak hours when rates are higher*
- *Industries can integrate renewable energy sources such as solar panels or wind turbines with energy storage systems to ensure a constant supply of energy*
- *Energy storage systems can also be used to balance the load of electricity in a facility by storing excess electricity during low demand periods and releasing it during peak demand periods*

12:50

ANASTASIOS CHRISTAKIS
Senior Investment Director
CLARITAS Investments

INCREASING THE RESILIENCE OF THE GRID WITH ENERGY STORAGE SYSTEMS

Case study

- *Energy storage systems can help stabilize the grid by providing ancillary services such as frequency regulation, voltage control, and reactive power support*
- *The integration of renewable energy sources such as solar and wind can create variability in the electricity supply*
- *Energy storage systems can also serve as emergency backup power supplies during power outages or other emergencies*

13:30

BUSINESS LUNCH

14:30

EURICO CORREIA
Refinery Process / Operations Engineer
Galp

OPTIMIZING ENERGY STORAGE SYSTEMS FOR MICROGRIDS IN REMOTE AREAS

Case study

- *Energy storage systems can be optimized for microgrids in remote areas by using demand-side management techniques, such as load shedding and load shifting.*
- *Hybrid energy systems that integrate different renewable energy sources such as solar, wind, and hydro with energy storage systems can be optimized for microgrids in remote areas*
- *Energy storage systems can be optimized for microgrids in remote areas by using intelligent control systems that can predict energy demand and supply, and optimize energy storage and distribution*
- *Energy storage systems can be optimized for microgrids in remote areas by using scalable energy storage systems that can be expanded or contracted as needed*

AGENDA

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15:10

GAYATHRI NAIR
Associate Programme Officer Renewable Energy Grid Integration
IRENA

PROVIDING BACKUP POWER TO CRITICAL INFRASTRUCTURE WITH ENERGY STORAGE SYSTEMS

Case study

- *Energy storage systems can be used as an Uninterruptible Power Supply (UPS) to provide backup power to critical infrastructure*
- *Energy storage systems can respond quickly to sudden changes in energy demand or supply, making them an ideal backup power source for critical infrastructure*
- *Energy storage systems can be scaled up or down to meet the energy demands of critical infrastructure*
- *Reducing reliance on generators: Energy storage systems can reduce reliance ontraditional backup power sources such as diesel generators*

15:50 — **NETWORKING COFFEE BREAK**

16:20

JOSUE MUNOZ
Power grid Energy Storage BESS
Hitachi Energy

ENABLING THE INTEGRATION OF ELECTRIC VEHICLES WITH THE GRID USING ENERGY STORAGE SYSTEMS

Case study

- *Energy storage systems can be used to enable V2G technology, where electric vehicles can provide energy back to the grid during periods of high demand or when the grid is experiencing instability*
- *Energy storage systems can be used to manage the charging of electric vehicles to avoid overloading the grid during peak demand periods*
- *Energy storage systems can provide backup power to charging stations during power outages, ensuring that electric vehicles can continue to charge and that the transportation network remains operational*

17:00 — **PANEL DISCUSSION**

The Role of Grid-Scale Energy Storage in Europe's Transition to Renewable Energy

- *Continued technological innovation can drive down the cost of energy storage and enable the deployment of larger and more effective grid-scale energy storage systems*
- *The development of effective market design can play a key role in encouraging the deployment of grid-scale energy storage in Europe*

17:30 — **CHAIRMAN'S CLOSING REMARKS AND END OF DAY ONE**

17:40 — **COCKTAIL RECEPTION**

AGENDA

22 SEP 2023

9:00 — **REGISTRATION AND WELCOME COFFEE**

9:30 — **OPENING ADDRESS FROM THE CHAIRMAN**

9:40

JAN LIBICEK
Investment Director
Triple Point

STORING RENEWABLE ENERGY WITH ADVANCED ENERGY STORAGE TECHNOLOGIES

Case study

- *Advanced energy storage technologies such as flow batteries, compressed air energy storage, and thermal energy storage can provide long-duration energy storage solutions for renewable energy sources such as wind and solar*
- *Advanced energy storage technologies can provide high energy density, allowing for the storage of large amounts of energy in a small space*
- *Advanced energy storage technologies can be scaled up or down to meet the needs of a variety of applications, from small residential installations to large grid-scale systems*
- *Advanced energy storage technologies can provide high efficiency, allowing for the storage and retrieval of energy with minimal energy loss*

10:20

ROBERTO CASTIGLIONI
Co-Founder and CEO
Ikigai Capital

PROVIDING GRID-SCALE ENERGY STORAGE SOLUTIONS IN DEVELOPING COUNTRIES

Case study

- *Energy storage systems can provide a reliable and affordable source of electricity for off-grid communities in developing countries*
- *Energy storage systems can be scaled up or down to meet the needs of a variety of applications, from small rural communities to large urban centers*
- *Public-private partnerships can play a key role in developing and deploying energy storage solutions in developing countries*

11:00 — **MORNING COFFEE AND NETWORKING BREAK**

11:30

CHRISTIAN BARBA RODULFO
International Business Development and Storage Director
EDP Renewables

IMPROVING THE EFFICIENCY OF RENEWABLE ENERGY SYSTEMS WITH ENERGY STORAGE

Case study

- *Energy storage systems can help balance energy supply and demand by storing excess renewable energy during periods of low demand and releasing it during periods of high demand.*
- *Energy storage systems can enable time-shifting of energy production, allowing renewable energy systems to produce energy when it is most efficient and storing excess energy for use at a later time*

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- *Energy storage systems can help increase self-consumption of renewable energy by storing excess energy for use later rather than exporting it to the grid*

12:10 **BUSINESS LUNCH**

13:30

STEPHEN CROSHER
CEO and Principal Co-Founder
RheEnergise

Case study

MAXIMISING RENEWABLE ENERGY CAPTURE PRICES USING LONG DURATION ENERGY STORAGE

- *As variable renewable energy penetration increases, capture prices decline*
- *Modelling shows that short duration energy storage assets cannot capture the full potential value, as the penetration of renewable generation increases*
- *Any project developer without long duration storage in their project plans are unlikely to achieve good value from their generation assets*
- *The benefits of long duration energy storage to cut consumer and industry bills is huge, estimated at $560bn annually world-wide*
- *The real challenge is scaling at the speed and capacity that the climate crisis demands*

14:10

Keynote Sponsorship

Case study

INCREASING THE RESILIENCE OF BUILDINGS WITH ENERGY STORAGE SYSTEMS

- *Energy storage systems (ESS) can increase the resilience of buildings during extreme weather events by providing backup power.*
- *ESS can also help reduce the peak energy demand of buildings, which can prevent grid overload during times of high demand*
- *During extreme weather events, renewable energy sources may be able to continue producing power, which can be stored in the ESS and used to provide backup power during outages*
- *By storing energy when prices are low and using it when prices are high, buildings can reduce their energy bills and increase their financial resilience*

14:50 **NETWORKING COFFEE BREAK**

15:30

Keynote Sponsorship

Case study

IMPROVING THE ECONOMICS OF ENERGY STORAGE WITH INNOVATIVE BUSINESS MODELS

- *Create energy storage systems that can be easily scaled upodown-based on customer needs*

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- *Explore new revenue streams for energy storage systems, such as offering grid services like frequency regulation, load balancing, and peak shaving*
- *Develop business models that incentivize customers to use energy storage during times of high demand, such as offering lower prices for electricity during off-peak hours*

16:10 **PANEL DISCUSSION**

Innovative Financing Models for Grid-Scale Energy Storage in Europe

- *Explore the potential for public-private partnerships to finance grid-scale energy storage projects*
- *Discuss the possibility of leveraging green bonds and other sustainable financing instruments to raise capital for energy storage projects*
- *Consider innovative financing models such as crowdfunding and community-based financing*

17:15 **CHAIRMAN'S CLOSING REMARKS AND THE END OF THE FORUM**

REGISTRATION FORM

*Please send your registration form to **registration@curtiswyss.com***

Package name _____ Promocode _____

Company _____ Address _____ Billing address _____

VAT number _____ City _____ Postcode _____

Name _____ Name _____ Name _____

Surname _____ Surname _____ Surname _____

Position _____ Position _____ Position _____

Email _____ Email _____ Email _____

Date _____ Phone _____ Signature _____

DELEGATE PACKAGES:

NONPROFIT	for academics and nonprofit organizations, and includes the delegate package benefits	**995€**
STARTUP	for small companies and startups, and includes the delegate package benefits	**1199€**
STANDARD DELEGATE	2 days of conference + discussion with industry experts, business lunches and coctail reception	**1995€**
VIP DELEGATE	2 days of conference + discussion with industry experts, business lunches and coctail reception + 2 nights luxury accomodation and transfer from airport to hotel	**2995€**

Confirmation: *we will confirm your participation after receiving signed registration form. The delegate will receive the invoice within 24hrs of sending the signed form. The hotel details will be sent two to three weeks before the start of the conference. Cancellations: Made one month prior to the start of the conference will be refunded less 50% administration charge. Refunds will be made after the conference. Cancellations made within one month of the conference start date will receive no refund. Substitutes are accepted up to 3 days before the conference. Any cancellation will be accepted latest one month before the event and should be in formed in written form.*

Force Majeure: *while every reasonable effort will be made to adhere to the advertised package, Curtis&Wyss reserves the right to change event dates, sites or location or omit event features, or merge the event with another event, as it deems necessary without penalty and in such situations no refunds, part refunds or alternative offers shall be made. In the event that Curtis&Wyss permanently cancels the event for any reason whatsoever, (including, but not limited to any force majeure occurrence) and provided that the event is not postponed to a later date nor is merged with another event, the Client shall receive a credit note for the amount that the Client has paid to such permanently canceled event.*

☐ *By sending this form I confirm that I have read and accepted the terms and conditions detailed below.*

David Newman EMEA Marketing Director david.newman@curtiswyss.com +420 314 004 747

SPONSORSHIP PACKAGE

CURTIS&WYSS

Our sponsorship packages are designed to offer optimum exposure for the budget that are available. If you have any specific requirements that you feel are not covered by the packages available, then please do not hesitate to get in touch. We are always available to help you identify the options that suit your budget while maximising your value and visibility at the conference. For more information on the packages and to discuss your sponsorships requirements, please contact **sponsorship@curtiswyss.com**

	keynote	exhibition	silver	gold	platinum
people attendance	1	2	3	4	5
logo on all materials	●	●	●	●	●
social media promotion	●	●	●	●	●
AD placed in final conference program			1/4 page	1/2 page	1 page
discount for additional passes	10%	10%	15%	20%	25%
promo materials on conference bags (one A4 yer) provided by sponsor			●	●	●
list of attendance	●	●	●	●	●
acknowledgment during the opening				●	●
speech at the beginning			10min	20min	10min
exhibition booth		$3m^2$			$6m^2$
VIP table at the event					●
business lunches and coctail reception			●	●	●
speaking slot	30min				30min
	3995€	**5995€**	**6999€**	**9999€**	**14999€**

COCTAIL PACKAGE	the deligate package benefits + 10min speaking slot + logo on materials + acknowledgment during coctail reception	**3499€**
DINNER PACKAGE	the deligate package benefits with 2 people attendance + 10min speaking slot + panelist speaker slot on one conference panel discussion + logo on materials + acknowledgment during dinner	**6999€**

NETWORKING TODAY BUSINESS TOMORROW

We are an experienced international B2B event management company. We specialize in organizing high-quality business events, which provide only need-to-know information from leading industries' experts.

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SCAN ME