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BATTERY  
ENERGY  
STORAGE SYSTEM

# TA-10479 REG: Accelerating Battery Energy Storage System Development in the Asia and Pacific Region

Webinar No. 1: Accelerating BESS  
Deployment: Technology, Markets, Safety,  
and Regional Pathways

13 May 2026



**Global Energy Alliance**  
*for people and planet*

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*Inspired with innovation*



**INTEGRATION**  
environment & energy



## Accelerating Battery Energy Storage System Development

### in the Asia and Pacific Region

This webinar will introduce the strategic role of battery energy storage systems (BESS) in supporting renewable energy integration, grid flexibility, and the wider energy transition in Asia and the Pacific. It will cover key topics, including grid-forming inverters, private-sector participation, battery recycling and the circular economy, and health and safety standards for BESS deployment.



**OPENING REMARKS BY**  
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**SPEAKER 1**  
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Team Leader  
IES



**SPEAKER 2**  
**Tobias Dertmann**

BESS Specialist  
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**MODERATOR**  
**Nurshod Saidov**

Principal Consultant  
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# Agenda

Webinar No. 1 13 May 2026	
03:00 – 03:05	<b>Opening Remarks by ADB</b> Ms. Cindy C. Tiangco, Director, Emerging Areas Team, SD1-ENE <i>Welcome, introduction to the webinar, and relevance of the session under the TA knowledge-sharing program</i>
03:05 – 03:15	<b>1. Introduction: The Strategic Role of BESS</b> Speaker 1: Dr. Stuart Thorncraft (IES) <i>Energy transition, variable renewable energy integration, and the core grid functions of BESS</i>
03:15 – 03:30	<b>2. Grid-Forming Inverters</b> Speaker 1: Dr. Stuart Thorncraft (IES) <i>Technical essence of grid-forming capability, transition from “follower” to “leader,” virtual inertia, and practical case studies from Australia.</i>
03:30 – 03:45	<b>3. Private Sector Participation</b> Speaker 1: Dr. Stuart Thorncraft (IES) <i>Market-driven models in Australia versus policy-driven models in India; implications for regulation, investment, and project delivery.</i>
03:45 – 04:00	<b>4. Battery Recycling and Circular Economy</b> Speaker 2: Tobias Dertmann (REESSA) <i>Second-life applications, Extended Producer Responsibility, and material recovery.</i>
04:00 – 04:15	<b>5. Health and Safety Standards</b> Speaker 2: Tobias Dertmann (REESSA) <i>Applicable standards, thermal runaway prevention, and cyber-physical security considerations.</i>
04:15 – 04:25	<b>6. Q&amp;A and Regional Analysis</b> Moderator (Nurshod Saidov) and all speakers <i>Cambodia, Viet Nam, and Mongolia: focus on regulatory framework, project specifics, and practical implementation considerations</i>
04:25 – 04:30	<b>Closing Remarks</b> Dr. Stuart Thorncraft (IES) <i>Summary of key takeaways and next steps under the TA webinar series.</i>



# 1: Technical Assistance Overview



## Overall Objective:

- Enable large-scale deployment of Battery Energy Storage Systems (BESS) in selected countries to support renewable energy integration and accelerate decarbonization

## Core Purposes of the TA:

- Remove technical, regulatory, and market barriers to BESS deployment
- Build enabling conditions for scale-up across target countries
- Support transition to higher renewable energy penetration





## Component 1 – Analytical Studies & Knowledge Exchange

- ❖ Diagnose key barriers to scaling up BESS (policy, regulatory, market, technical, institutional).
- ❖ Develop practical countermeasures informed by international good practice.
- ❖ Deliver knowledge exchange and capacity building via *the Enhancing Access to BESS for Low-carbon Economies (ENABLE)* Platform.

## Component 2 – Pre-Feasibility & Roadmap (context only)

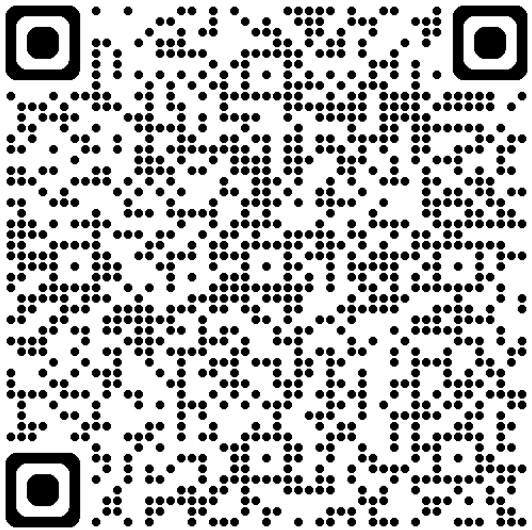
- ❖ In priority DMC(s), assess readiness, prepare pre-feasibility for committed BESS projects, and develop a BESS roadmap.





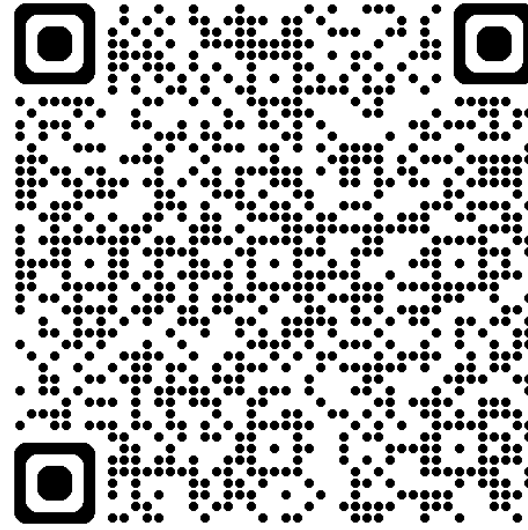
- Link to the feedback form:

<https://forms.office.com/e/6dyaELq6aQ?origin=lprLink>



- Link to the PPTs and ADB Data room for knowledge sharing activities:

<https://events.development.asia/learning-events/adb-data-room-emerging-areas-sustainable-solutions-initiatives>





Thank You