

WHY THIS TRAINING?

THE STRATEGIC ROLE OF BESS IN INDIA'S ENERGY TRANSITION

India has set ambitious renewable energy deployment targets, including 500 GW of non-fossil fuel installed capacity by 2030 on its way to achieving a renewable electricity system. Achieving these goals requires large-scale energy storage to manage renewable energy variability, improve grid flexibility, and maximize the utilization of solar and wind generation. Battery Energy Storage Systems (BESS) are therefore becoming a strategic enabler of India's energy transition.

BESS - A STRATEGIC PILLAR FOR INDIA

- Enables grid stability and reduces variability in renewable generation
- Supports Energy Storage Obligations (ESO), rising from 1% in 2023-24 to 4% by 2029-30
- Critical for meeting India's storage targets: 47 GW / 236 GWh of BESS by 2031-32
- Backed by government policies: Viability Gap Funding (VGF), technical standards, and equitable access

“ BESS is not just a technology—it is essential for India's climate and energy security goals.”

PARTNER

SEPA

Sustainability and Energy Practitioners Association (SEPA) is a non-profit, non-government, industry-led organization dedicated to empowering the nation toward a sustainable future. SEPA promotes technological and demographic inclusivity to support sustainable development goals and drive positive change.

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RENAC

Renewables Academy (RENAC) AG is a Berlin-based training provider specializing in renewable energy, green hydrogen, and energy efficiency. With 20 years of experience, RENAC offers practical, high-quality training for industry professionals, policymakers, and project developers worldwide.

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CONTACT

For further details regarding the BESS Training please contact:

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EMPOWERING INDIA'S ENERGY TRANSITION JOURNEY!



Training in Aug 18 – 20 2026
in Coimbatore, India

Battery Energy Storage Systems

3-day Advanced Training
for SEPA Members

WHAT YOU WILL LEARN

CONTENT

This 3-day training delivers a practice-oriented introduction to utility-scale BESS, combining technical fundamentals, financial modelling, safety standards, and hands-on exercises—all tailored to the Indian market context.

KEY LEARNING OUTCOMES

By the end of the training, you will:

- Understand BESS technologies, applications, and system design
- Perform high-level system sizing and financial assessments
- Evaluate safety, standards, and contractual frameworks
- Contribute to informed BESS investment and project development decisions

TRAINER

Ilja Pawel has 14 years of experience in the energy sector, leading BESS projects and product development. He specialises in BESS assessment, BESS safety and performance, industry standards, warranties, service agreements, and preventive maintenance through battery analytics to enhance reliability and safety.

TRAINING STRUCTURE

DAY 1

Foundations, Financial Modelling & Market Risks

- Welcome & Introduction
- BESS Technologies & Applications
- Financial Modelling & Risk Assessment
- System Design & Sizing

DAY 2

Safety, Standards & Investment Considerations

- Codes and Standards
- BESS Safety Design and Mitigation Measures
- Safety Standards
- Warranties, Performance Guarantees and Long-Term Service Agreements (LTSA)

DAY 3

Implementation, Operation & Course Closures

- BESS + Renewables Co-Location
- Construction and Commissioning
- Asset Operation, Maintenance and Analytics
- Investment Decision Guidelines
- Course Closure & Certification

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WHO SHOULD ATTEND?

PARTICIPANTS

This training is designed for SEPA members who require a focused, decision-relevant understanding of BESS projects, including:

- Project developers and investors
- Energy consultants and advisors
- Grid operators and utilities
- Policy makers, regulators, financial institutions
- Engineering and technical professionals

LOCATION AND DETAILS

The in-person training will take place in:

DATE: August 18 – 20, 2026

LOCATION:

PSG Institute of Advanced Studies
PSG College of Technology Campus
Avinashi Road, Peelamedu
Coimbatore – 641004, Tamil Nadu, India

