



**THE SOUTHEAST ASIA  
ENERGY TRANSITION  
PARTNERSHIP**

# WHO WE ARE

The Southeast Asia Energy Transition Partnership (ETP) is a just energy transition programme.

Through country-driven projects, we empower governments to meet their climate ambitions and accelerate national energy transition goals in line with the Paris Agreement and the United Nations Sustainable Development Goals.

Drawing upon years of expertise, our dedicated in-country teams work in Vietnam, Indonesia, the Philippines, and through our Regional Programme to provide the technical support and coordination essential for a sustainable energy future in Southeast Asia.

Established in 2020, ETP is a multi-donor partnership funded by government and philanthropic partners, leveraging the project management expertise of the United Nations Office for Project Services (UNOPS).





# RESULTS

## POLICY ALIGNMENT WITH CLIMATE COMMITMENTS



**85** Policy recommendations (aligned with climate commitments) submitted to governments



**3** National energy plans updated to accelerate fossil fuel phase-down



**18** Multi-stakeholder platforms established for ongoing dialogue



**29** Renewable Energy & Energy Efficiency market mechanisms delivered (11 adopted)



**22** Smart grid tools and simulations developed for operators

## DE-RISKING ENERGY EFFICIENCY AND RENEWABLE ENERGY INVESTMENTS



**58** Feasibility studies and investment roadmaps delivered



**8** Innovative business models developed



**27** De-risking strategies proposed (9 in force)



**6** Supply chain plans created to bolster regional energy security

## SUSTAINABLE AND RESILIENT INFRASTRUCTURE



**22** Smart grid tools and simulations developed for operators



**9** Ongoing modernization initiatives guiding grid upgrades



**7** Technical standards and codes formally adopted

## KNOWLEDGE AND AWARENESS BUILDING



**188** Research publications



**430** Training events with nearly **22,000** participants

An aerial photograph of a city, showing a large building under construction in the foreground. The building has a complex structure with multiple levels and a glass facade. The surrounding area includes other buildings, streets, and greenery. The image is used as a background for the text on the left side of the page.

# WHAT WE DO

We identify systemic gaps within the energy ecosystem which helps us to design and deploy targeted, high-impact technical assistance to our partner countries.

ETP has cultivated strong partnerships with government stakeholders, enabling us to provide the specialized expertise that our partner countries require.

- **ETP occupies a unique space where its funding model aligns technical expertise with large-scale public investment. This allows ETP to serve as a catalyst: linking high-level policy work directly to project financing and execution.**

Our work is organized across four strategic outcome areas:

- harmonizing national policies with climate commitments
- scaling energy efficiency and renewable energy investments
- expanding and upgrading grid infrastructure
- fostering a just transition for all stakeholders.

Underpinning all these efforts is a core commitment to knowledge-sharing and skills development.

# HIGHLIGHTS

Over the past five years, our initiatives have delivered impact across both national and regional landscapes. As we look toward the next five-year cycle, we have set a funding ambition of USD 100M to expand our support for the region's energy transition.

We have unlocked over USD 1.2 billion in potential investment for renewable energy, energy efficiency, and grid infrastructure projects in Indonesia alone.

Our strategic advisory has facilitated the formal adoption of 53 regulations in our partner countries, establishing critical frameworks necessary to scale renewable energy, launch carbon markets and accelerate the transition away from coal.

We are currently spearheading the ASEAN Power Grid Advancement Roadmap, a landmark initiative designed to integrate up to 50 GW of new renewable energy capacity across the region.





# CORE FUNDERS

Our core funders make up our Steering Committee, and provide strategic guidance to shape our priorities and ensure our projects deliver measurable impact.

## **Government Funders:**

- The French Development Agency
- German Federal Ministry for the Environment, Climate Action, Nature Conservation and Nuclear Safety
- Environment and Climate Change Canada
- Australia Department of Climate Change, Energy, the Environment and Water

## **Philanthropic Funders:**

- Children's Investment Fund Foundation (UK)
- Sequoia Climate Foundation
- Two private funders

ETP also has 'project-based funding' where our funders support specific project and/or project components.

## **Project-based Funders:**

- United Kingdom's Foreign, Commonwealth and Development Office
- European Union

Legacy funders: Windward Fund, IKEA Foundation, United Kingdom Department for Energy Security and Net Zero, Wellspring Philanthropic Fund



CASE STUDY

# INDONESIA

In Indonesia, **we have transitioned from providing foundational technical assistance to now enabling human resource activation and upskilling.** This ensures that Indonesia possesses both the modern infrastructure as well as specialized expertise required to sustain its energy transition.

A long-standing commitment to this transition, is reflected through our work with the Java, Madura, and Bali (JAMALI) Control Center. As Indonesia's largest grid operator, JAMALI serves over 160 million people but faced constraints by outdated software that hindered the integration of variable renewable energy (VRE), resulting in frequent electrical disruptions.

**ETP delivered a detailed engineering design to modernize the main control center and successfully consolidated five regional hubs into a single, apex disaster-recovery system. The intervention optimized variable renewable energy flows and upgraded legacy software to meet modern grid management requirements.**

By establishing workforce roadmaps, certification programs, and specialized technical curricula, **we are now equipping a talent pool of approximately 50,000 staff** with the leadership and technical skills necessary to manage this infrastructure.

Guided by international best practices and Gender Equality and Social Inclusion (GESI) principles, these efforts ensure a resilient, equitable, and self-reliant workforce capable of meeting Indonesia's future energy demands.



CASE STUDY

# PHILIPPINES

Developing offshore wind potential in the Philippines is a cornerstone of the country's "Blue Economy" agenda. The Philippines aims to harness its massive 178 GW offshore wind potential to meet ambitious renewable energy targets: 35% by 2030 and 50% by 2040.

To accelerate investment and implementation within the country's offshore wind sector, **we de-risked the investment landscape by addressing regulatory, spatial, and technical barriers.** Through detailed analysis and support to the licensing and permitting framework, we underpinned the development of a comprehensive Permitting and Consenting Guidebook, thus **streamlining a previously daunting maze of over eighty permits into a clear, navigable project lifecycle.**

**ETP launched the country's first geographic information systems-based Marine Spatial Planning (MSP) tool, which integrates over 35 layers of social and environmental data to identify high-potential sites while minimizing conflicts with fisheries and shipping routes.**

To ensure long-term grid readiness, ETP provided the Philippines' Department of Energy with advanced modeling capabilities, creating the integrated transmission pathways necessary to reliably carry 19 GW of wind power by 2040.

In a privatized power market, a "de-risked" environment is crucial to enable investments. ETP's support to clarify permit pathways, mapping the ocean responsibly, and planning for grid expansion, is helping the Philippines to move offshore wind from theoretical auctions to practical implementation.



CASE STUDY

## VIETNAM

To address Vietnam's escalating heat crisis and energy demand (which accounts for over 25% of national electricity use) ETP has spearheaded a comprehensive strategy to transition the country toward sustainable cooling.

**ETP provided the foundational analytical support for Vietnam's first-ever National Sustainable Cooling Plan (NSCP)**, creating a unified policy framework to curb emissions and protect public health.

**To mobilize the necessary capital for this transition, ETP supported the development of Vietnam's Green Taxonomy, ensuring low-emission cooling is eligible for green investment, and is currently designing a pioneering Article 6 financing mechanism to fund industrial cooling upgrades via carbon markets.**

These policy efforts are anchored by high-impact private sector interventions; in partnership with the Vietnam Chamber of Commerce and Industry, **ETP facilitated USD 1.3 million in energy efficiency investment agreements** for industrial enterprises, providing the technical audits and pre-feasibility studies required to achieve a 30% reduction in energy consumption through optimized cooling and management systems.



CASE STUDY

# REGIONAL PROGRAMME

Our Regional Programme serves as the blueprint for Southeast Asia's low-carbon energy transition by aligning policies to fast-track cross-border collaboration. **A primary focus is advancing the ASEAN Power Grid (APG) through the technical and regulatory frameworks essential for multilateral power trade.**

Central to this effort is the ASEAN School of Regulation (ASR), designed to equip regulators with the specialized expertise needed to facilitate 25 GW of cross-border trade and unlock 200 GW of renewable energy capacity; a move that could reduce regional energy costs by 10%.

**The Regional Programme is developing the ASEAN School of Regulation as a grounded platform for regional capacity-building and regulatory harmonization.**

As a precursor to the school's formal establishment, a Pilot Summer School was held in Kuala Lumpur, bringing together junior and mid-level officials from across ASEAN to address critical challenges in market design and regional integration.

By combining expert insights with peer exchange, the program focused on the regulatory hurdles linked to cross-border electricity trade and infrastructure. These activities underpin a long-term vision to establish a permanent institution dedicated to navigating the energy transition and securing a seamless, interconnected regional grid.

# WHY SHOULD YOU WORK WITH US?


Beyond our technical capacity, **ETP maintains a strong relationship with our government counterparts**, providing them with a direct and trusted conduit to the energy transitions in Vietnam, Indonesia, and the Philippines.

We combine the operational agility and transparency of UNOPS with the expertise of our in-country teams and wide network of technical specialists.

Complementing our proven funding model, **we have spent the last five years transforming donor commitments into high-impact, localized successes that meet the specific needs of our partner nations.**





 [sea-etp-org](https://www.linkedin.com/company/sea-etp-org)

 [energytransitionpartnership.org](https://www.energytransitionpartnership.org)

Southeast Asia Energy Transition Partnership is a programme of the United Nations Office for Project Services

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ENERGY  
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UNOPS

Powering Prosperity and Ensuring Sustainability in South-East Asia