



CORPORATE QUALIFICATIONS



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Who We Are

[Asia Clean Energy Partners Limited](#) (ACE Partners) is an international firm that provides consulting and advisory services related to the energy sector with an emphasis on understanding markets, developing networks of expertise and knowledge; and evaluating and designing clean energy initiatives and programs. ACE Partners has its primary office in Bangkok, Thailand, allowing it to provide regional coverage with expert consultants and advisors across Southeast and South Asia and the Pacific. The firm helps clients accelerate clean energy deployment to achieve greater speed and scale.



The Needs We Serve

Governments, businesses, and regional organizations increasingly recognize the need to scale up efforts to transform the energy system, taking into account new advances in technologies and business models, the need to increase investments in renewable energy and energy efficiency, and the development and implementation of net-zero strategies. However, they do not always have the in-house capacity or expertise to design, socialize, and implement their initiatives. ACE Partners has been established to fill this gap. We support the design and execution of effective clean energy initiatives, with a focus on four main areas:

- a) **creating insights** through research and analytics;
- b) **designing and executing** projects and initiatives;
- c) **connecting stakeholders** with the knowledge, technology, and finance to achieve results; and
- d) **building knowledge and action platforms** that facilitate networking, connections, and impact.

Our Expertise



The partners who lead ACE Partners have decades of implementation experience, backed by extensive expertise on clean energy financing, business development and climate finance in the Asia-Pacific region, working with a cross-section of stakeholders- policymakers, experts and thought leaders, private sector investors and businesses, and civil society organizations.

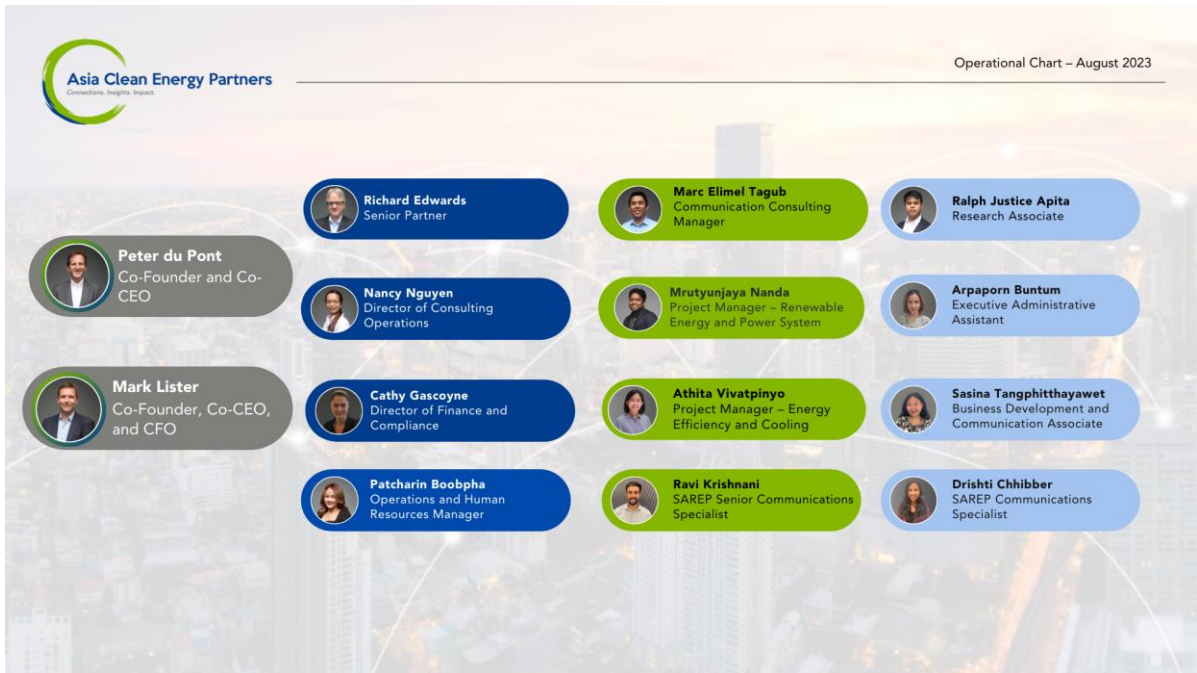
Our team offers a verifiable track record of delivering excellent results and tangible impacts for our clients.

Our expertise includes:

- **deployment of national and regional programs** in climate and clean energy finance and market development
- **design, implementation, and evaluation** of intelligent, effective, and resilient clean energy strategies
- **regional communications** leadership and support
- **regional program coordination** and building communities of practice

Our key strengths include (a) **first-hand insights** into the clean energy ecosystems and institutions operating in Asian markets; (b) **deep understanding of the opportunities** of the future energy system; (c) **expertise and connections** to enable organizations to make their desired transition. The company has wide and deep networks in key Asian target markets, which can be leveraged as local delivery teams towards diverse project objectives.

Our Team



Policy and Regulation

Project title:	International Climate Finance Specialist
Dates:	July 2023 – August 2023
Clients/Partners:	Asian Development Bank
Countries:	India
Project description:	

This technical assistance (TA) focuses on ADB’s support for the India Infrastructure Finance Company Limited (IIFCL) in enhancing its operational capacity, particularly in promoting climate finance and strengthening resilience to climate change-related risks.

ACE Partners responsibilities includes:

- Collaborate with IIFCL’s risk management to develop climate change policies and strategies for transitioning infrastructure projects to a net-zero carbon footprint.
- Create a framework to align IIFCL with India’s green finance priorities and provide training on climate change best practices.
- Develop a climate risk rating approach aligned with international standards and provide guidelines for analyzing infrastructure projects with a climate change focus.

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Project title:	Supporting Climate Action in Finance Sector Operations
Dates:	June 2023 – December 2023
Clients/Partners:	Asian Development Bank
Countries:	Bangladesh, Indonesia, Mongolia, Philippines, and Vietnam
Project description:	

This knowledge and support technical assistance (TA) will support in developing the capacity of developing member countries (DMCs) of the Asian Development Bank (ADB) by strengthening their finance sector’s ability to address climate change impacts and catalyze climate finance to support their transition to a climate-resilient and low-carbon economy. The TA will help the DMCs (i) align their finance sector operations with the goals of the Paris Agreement; (ii) address climate change risks (both physical and transitional risks), which can severely impact the financial stability and resilience of financial institutions and markets; (iii) scale-up climate-focused lending and investment using innovative financing and financial de-risking instruments; and (iv) deploy best government, risk management, and disclosure practices.

In consultation with the ADB team, ACE Partners performs the following tasks:

- Develop a diagnostic methodology and rated guide for assessing the current landscape and enabling the environment to enhance the resilience of the financial system to climate and disaster-related risks;
- Provide a comprehensive assessment of the current landscape of the financial sector in five countries: Bangladesh, Indonesia, Mongolia, Philippines, and Vietnam, based on the in-depth analyses of the industry and the legal and regulatory framework of the financial sector to identify barriers that impede these countries in their push to decarbonize, and enhance understanding of the deployment of climate finance more catalytically.
- Propose stages to be undertaken for a smooth transition of these countries to become climate-resilient and support the mitigation of the Paris Agreement.

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Project title: **The Women’s Finance Exchange**
Dates: October 2022 – October 2023
Clients/Partners: Asian Development Bank
Countries: Regional/multi-country
Project description:

The Asian Development Bank (ADB) increases commitment to support climate financing to support developing economies to transition to green economies that focuses on “green finance and women”. The ADB is also broadening access to finance for women and women’s business and communicate ADB’s efforts to encourage more lending to this sector.

Asia Clean Energy Partners’ (ACE Partners) role is to work closely with the ADB team on various sustainable finance topics dependent on financial institutions’ needs in different ADB member countries. The core tasks are to conduct market analysis and studies with Finance and Investment groups to identify constraints they are facing in green lending, to support the design of a green finance risk assessment tool framework, to design a suitable risk management products for green lending, and to prepare a research report that clearly describes the impacts of climate change on a country, specifically to women-owned and led micro-, small-, and medium-sized enterprises and propose solutions for suitable interventions.

Deliverables under this activity include:

- The creation of internal and external capacities for financial institutions on sustainable finance and the creation of partnerships and networks through the Women Finance Exchange
- Green portfolio audits with financial institutions in ADB member countries
- Framework Design of the Green Finance Risk Assessment Tool
- Report on the green financing risk assessment tool for green lending to women Medium and Small Enterprises

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Project title: **Private Sector Assessments**
Dates: April 2020 – July 2023
Clients/Partners: Asian Development Bank (ADB)
Country: Thailand, Lao PDR, Cambodia
Project description:

The Asian Development Bank (ADB) has engaged ACE Partners to conduct the private sector assessment in Thailand (April 2020 – September 2021), Lao PDR (November 2022 – January 2023), and Cambodia (February – July 2023). The assignment is part of ADB’s mission to develop the Country Partnership Strategy (CPS) in these countries, leverage ADB sovereign lending (projects and programs) as well as non-lending assistance (knowledge and capacity building and policy dialogue) to overcome development obstacles and encourage private sector investment in order to address the national development challenges. The findings are essential for formulating the CPS, highlighting challenges and solutions to be summarized in the Inclusive and Sustainable Growth Assessment (ISGA), and updating the Development Coordination Matrix (DCM).

ACE Partners is responsible for analyzing the state of private sector development in Cambodia, Lao PDR and Thailand, identifying regulatory and other constraints and barriers to private sector participation in core sectors such as infrastructure, financial services, agriculture (including climate adaptation and agribusiness), health, and education, mapping key players in these sectors, and identifying those that are a strong fit for ADB. ACE Partners also assesses the potential for further development of public-private partnerships (PPP), identifies promising sectors and projects for PPP, identifies strategic initiatives for ADB assistance, and prepares a policy and action matrix outlining key constraints, necessary reforms, and high-value business opportunities.

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Project title: **Leveraging Financial Markets and Instruments for Meeting the Sustainable Development Goals - Climate Risk Finance Specialist**

Dates: August 2022 – June 2023

Clients/Partners: Asian Development Bank

Countries: Asia and the Pacific

Project description:

The Asian Development Bank (ADB) has explored the interest of finance sector supervisory authorities in its Pacific developing member countries to integrate climate and environmental risks in their policies and operations. Challenges in the Pacific’s finance sector include capacity constraints that affect central banks and supervisory authorities’ response to the need for sustainable finance. Given its vulnerability to climate change, the Pacific needs to take necessary steps to develop a financial services sector that is responsive to climate-related risks.

Asia Clean Energy Partners’ (ACE Partners) role is to lead a rapid assessment of the financial services sector across the ADB’s selected Pacific developing member countries by building on the initial feedback and consult interested stakeholders to (i) assess the progress made, (ii) identify gaps where technical support will be required, and (iii) propose a way forward to support supervisor’s effort to integrate climate and environmental risks in their policies and operations.

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Project title: **Green and Innovative Finance Initiative for Scaling Up Southeast Asian Infrastructure**

Dates: April 2021 – April 2023

Clients/Partners: Asian Development Bank

Country: Philippines (Mindanao)

Project description:

The Mindanao Agro-Enterprise Development Project is a \$100 million loan designed to enhance the diversification and value addition of agro-based products increased in Mindanao. The project will facilitate access to finance for micro, small, and medium-sized enterprises (MSMEs) in the agricultural and food industry, enhance agri-logistics and networks, and provide technical assistance for the MSMEs in product development, branding, and marketing.

As the Green Financing Specialist (Energy Efficiency and Renewable Energy), ACE Partners provided inputs to the ADB loan design team by:

- Conducting a comprehensive landscape and key stakeholder to determine technical and financial gaps for green financing in the agribusiness sector, focusing on support already provided by PFIs (e.g., DBP, Landbank), and also wider SME financing in the agribusiness sector;
- In close collaboration with TRTA consulting firm agricultural value chain consultants, supporting the rapid assessment of the post-harvest and logistic facility needs, energy supply, and efficiency needs of agricultural SMEs and cooperatives, including supporting sample energy audits, energy consumption profiles, etc.
- Based on the need assessment, as well as a market assessment, compiling a list of technologies/activities / sub-project types that could classify under a green finance framework, and that is available / could be made available in the Philippines;
- Compiling data on average payback periods for various technologies/project types to be supported by green financing mechanism;
- Building on international best practices (e.g., Climate Bonds Initiative, EU Sustainable Finance Taxonomy), developing framework / simple list of criteria that could be applied to screen/validate green financing;
- Designing financing mechanism(s) in coordination with SME financing specialist and Agribusiness financing specialist and in close consultation with potential PFIs based on the preliminary financial and economic projection of using energy-efficient processing equipment and power generation and developing a set of criteria for lending and guidelines for the operation of the lending; and

- Assessing capacity gaps in target PFIs as well as potential SMEs and designing a capacity building program for PFIs and potential borrowers to promote green financing, working closely with the SME financing specialist and Agribusiness financing specialist.

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Project title: **Market Research on Climate Change Adaptation and Mitigation**
Dates: February 2021 – August 2021
Clients/Partners: Social Solutions
Country: USA
Project description:

Social Solutions intends to establish a "practice area" that focuses on Climate Change Mitigation and Adaptation, Reducing Pollution, Improving Environmental Health, and Green Growth. To accomplish this, they enlisted the services of ACE Partners to perform the following tasks:

- Conducting comprehensive market research to gain insights and provide strategic recommendations on how Social Solutions can effectively position themselves in this sector.
- Providing specific inputs on potential new opportunities, including capture research, strategic partnering, and proposal development.

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Project title: **Energy Efficiency Research in Bangladesh, Indonesia, and Viet Nam**
Dates: June 2020 – June 2021
Clients/Partners: Institute for Sustainable Communities (ISC)
Country: Bangladesh, Indonesia, and Viet Nam
Project description:

The Institute for Sustainable Communities (ISC) engaged ACE Partners to conduct an energy efficiency landscape assessment. The study aims to identify opportunities for industrial energy efficiency and evaluate the feasibility of replicating the Energy Efficiency Alliance model in Bangladesh, Indonesia, and Vietnam. The research also aims to deepen understanding of the current state of industrial energy efficiency in the countries and the region, including policy and regulation, energy-intensive industrial sectors, potential technologies for energy efficiency interventions, challenges to scaling up such interventions, and potential solutions and pathways moving forward.

ACE Partners led a team of three experts to conduct the following assignments:

- Assess the industrial energy efficiency landscape in three countries;
- Identify local stakeholders with whom the program can collaborate in the future;
- Support the webinars in Bangladesh and Indonesia to share research findings.

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Project title: **Analysis and Assessment of the Existing Landscape and Opportunities for Building Energy Efficiency in Selected Countries in Asia**
Dates: September – November 2020
Clients/Partners: Lawrence Berkeley National Laboratory
Country: 10 ASEAN Countries

Project description:

The research aims to assess opportunities for establishing cooperation between the US and ASEAN countries, in the area of building energy efficiency research and implementation. The final report described key trends and growth patterns for the building and construction sector in ASEAN; mapped ongoing programs funded by donors and/or the private sector; described key stakeholders and organizations involved in the sector; and described opportunities for engagement by US Government agencies and US private sector technology and service providers with partners in ASEAN, with a view to the potential formation of a US-ASEAN Clean Energy Research Centre on Building Energy Efficiency (CERC-BEE).

ACE Partners led a team of 4 national experts in a study to understand key trends and growth patterns for the building and construction sector in the 10 ASEAN member countries in Southeast Asia.

Deliverables under this assignment were:

- An overview of the building energy sector in each country, covering building electricity usage as a share of overall electricity demand, energy tariffs, energy and climate policy imperatives, and current energy system limitations and issues for which building EE would provide a useful solution.
- A review of existing national policies and strategies for building EE with further coverage of building EE institutions in the country, key existing activities, and mechanisms to accelerate investment in resource-efficient buildings and principal support activities provided by international agencies

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Project title: **Improving Institutional Capacity on Preparing Energy Efficiency Investments: Energy Efficiency Opportunities in South Asia to 2025**

Dates: July 2019 – November 2019

Clients/Partners: Asian Development Bank

Country: Bangladesh, Bhutan, Nepal, Sri Lanka, the Maldives

Project description:

This Regional TA ran from 2016-19 and aimed to realize the objectives for high energy security and more efficient energy production and consumption for the five DMCs under study. The TA conducted training programs and dialogue workshops on energy efficiency technologies, policies and regulations, and fiscal and financial instruments. Key activities were:

- detailed energy audits of at least five buildings in total from five countries, one per country; and at least five industrial facilities in total from five countries, one per country.
- a pipeline of energy efficiency projects developed which were identified from the detailed energy audits.
- Capacity building activities and policy dialogues conducted for the five DMCs, and over 100 government officers trained.
- The TA contributed to strengthening the capacity of the five DMCs to develop energy efficiency projects, with analytical evidence gathered during the energy audits and discussions with stakeholders.

Energy Efficiency Technical Analysis: ACE Partners led the development of a publication to summarise the lessons of the TA in the above countries, including synthesis of energy efficiency market assessments completed in the target countries, results of audits, and analysis of available energy efficiency opportunities, across all sectors including buildings public lighting, industry, appliances, and electric vehicles.

Design of Financial Mechanisms: Alongside the market review and identification of the most viable energy efficiency opportunities, the assignment presented a consideration and recommendation of possible financing mechanisms for funders to take further in accelerating energy efficiency investments in each country.

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Project title: Evaluation of ADB Support for GMS Regional Power Trade and Cooperation
Dates: March 2019 - October 2019
Clients/Partners: Asian Development Bank (ADB)
Countries: China, Cambodia, Laos, Vietnam, Thailand
Project description:

The ADB's TA 9003-REG aimed to enhance the capacity of Greater Mekong Subregion (GMS) countries in implementing Integrated Resource Planning (IRP) with Strategic Environmental Assessment (SEA) in their Power Development Programmes (PDPs). This effort had three main objectives:

- To improve regulations, policies, programs, and/or targets for renewable energy (RE) and energy efficiency (EE), as necessary and as validated through the IRP.
- To support the cross-border interconnections, as necessary and as validated through the IRP.
- To enhance the GMS countries' capacity to apply IRP with SEA in their PDPs.

To evaluate the relevance of ADB support for GMS Regional Power Trade and Cooperation, ACE Partners conducted a review and provided recommendations for future programs supported by ADB's technical assistance and other donor support.

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Project title: Copenhagen Centre on Energy Efficiency Rollout
Dates: May 2018 – April 2019
Clients/Partners: UNEP Copenhagen Climate Centre (previously UNEP-DTU Partnership)
Country: Sub-regional/multi-country
Project description:

The Copenhagen Centre on Energy Efficiency (Copenhagen Centre) is dedicated to accelerating the uptake of energy efficiency policies and programs on a global scale. In the context of the United Nations Secretary General's Sustainable Energy for All (SEforALL) initiative, the Copenhagen Centre is the thematic hub for energy efficiency with the prime responsibility to support action towards the SEforALL energy efficiency target of doubling the global rate of improvement in energy efficiency by 2030. The Copenhagen Centre is institutionally part of the UNEP Copenhagen Climate Centre.

UNEP Copenhagen Climate Centre (UNEP CCC) engaged ACE Partners to provide technical support and act as Asian representative for activities, policy and strategy development. ACE Partners' services for UNEP CCC include:

- leading engagement with the Ministry of Energy in Kenya for the development of the national energy efficiency strategy
- building external networks and communities of practice with key stakeholders and fostering UNEP CCC engagements with governments and stakeholders in Asia
- coordinating internal processes for pursuing funding opportunities and assisting with UNEP CCC management and facilitation efforts,
- developing guidance documents for cities interested in energy efficiency implementation, contributing to communications materials, and representing the Copenhagen Centre at conferences and events.

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