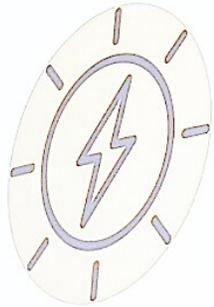


THAILAND
IMPACT
REPORT
2021

ABOUT NEW ENERGY NEXUS

Problems for Clean Energy



Still not main
energy source



Businesses
lack funds

ENERGY-BANK Highlight

VISION

An abundant world with 100% clean energy for 100% of the population, in the shortest time possible.

PROBLEM

There are not enough diverse and thriving clean energy entrepreneurs to match the scale of the clean energy transition in Thailand.

MISSION

New Energy Nexus aims to support diverse entrepreneurs to drive innovation and build equity into the global clean energy economy.

2021 IN NUMBERS



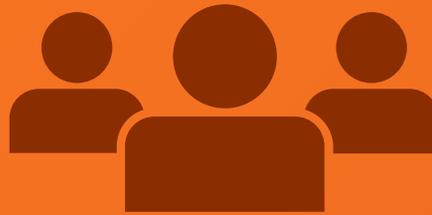
29
STARTUPS



285
EVENT PARTICIPANTS



153
PARTICIPANTS
COMPLETED
OUR PROGRAM



20.68%
WOMEN ENTREPRENEURS
TRAINED IN 2021



15
STRATEGIC
PARTNERS
ENGAGED



6
PIPELINE
BUILDING EVENTS



SITTA (SINDY) MARATTANACHAI

Program Manager at New Energy Nexus Thailand

What are your major achievements of 2021?

We successfully completed two programs in 2021: an accelerator for an Energy Incubation Program and a Solar SME Training and Entrepreneurship Program called SolarSTEP. SolarSTEP supports small domestic businesses providing solar rooftop EPC services. In total we were able to directly support 29 entrepreneurs ranging from their idea stage to growth stage.

We also further strengthened our ecosystem and hosted domestic and international outreach events. We engaged universities and researchers to host a total of three bootcamps to provide a platform for climate innovators to generate innovative business models mitigating climate change.

What major challenges have you identified and overcome in 2021?

The COVID-19 pandemic greatly impacted our workflow, of course. We swiftly had to shift to work 100% online for an entrepreneur training program. It was difficult to see most of the events forced online, and the situation put pressure on entrepreneurs as well. Another major challenge is building greater equity into the local ecosystem, and that includes, for instance, working harder to reach gender parity among the entrepreneurs we support in 2022.

What are you focusing on in 2022?

We are building up a pipeline for idea stage startups who can solve our country's challenges on achieving net zero emissions. We will broaden our focus from clean energy generation and energy efficiency to other cleantech sectors such as e-mobility and infrastructure. We also want to extend our entrepreneur support to solar energy EPC in even more regions of Thailand and work together with other local partners to build a more diverse and inclusive green economy ecosystem.



WHAT WE DO



New Energy Nexus Thailand was initially developed in partnership with GIZ Thailand, Germany's federal international cooperation agency in 2016. Since then, we have leveraged our global network and partnerships with universities, corporations and government bodies to build a clean energy startup ecosystem from scratch. Our first startup acceleration program started in 2020 and followed by three climate innovator bootcamps to support young entrepreneurs at ideation stage in the same year. In 2021, we ran three core programs:

Incubation and Acceleration Program

The aim of this program is to accelerate startups with new technologies and innovations, delivered through a hybrid workshop followed by networking.

Solar SMEs Training and Entrepreneurship Program (SolarSTEP)

This is a new accelerator program in Thailand, and is tailored to the solar sector and inclusive of startups from all over the country. The aim is to support local entrepreneurs to advance their businesses in a challenging and competitive sector.

Climate Innovator Bootcamps

In collaboration with academic partners in Thailand, we organize bootcamps and workshops for local university students and researchers. The aim is to improve participants' entrepreneurship and creative skills to develop projects and businesses focused on climate innovation. The two bootcamps we run are KMUTNB Climate Innovator Bootcamp and VISTEC Climate Innovator Workshop.

SOLUTION SPOTLIGHT



TIE SMART SOLUTIONS

Reducing energy waste in Thailand

TIE Smart Solutions provides buildings with automated monitoring, diagnostics, and optimization control by integrating real-time IoT and AI technologies to mitigate energy waste. TIE Smart Solutions has been able to build momentum in a niche sector. Few entrepreneurs operate in this sector and the market in Thailand is only starting to understand the importance of installing energy efficiency systems in buildings.

Impact

TIE Smart Solutions is able to provide innovative technology for small to large-scale projects. Energy consumption can be traced, improved, and thereby mitigated. Saved energy waste accumulated up to 8 MB (Co2 = 950 tons) in the last year.

Support from New Energy Nexus

Dr. Denchai Woradechjumroen, CEO at TIE Smart Solutions, joined the New Energy Nexus Incubator Program in 202. The program imparted business and financial skills, and connected the startup with another in Vietnam, opening up new opportunities for collaboration to scale their business.



“Thank you New Energy Nexus for connecting a network of startups that can form alliances and offer opportunities to participate in various programs that help businesses scale up.”

**Dr. Denchai Woradechjumroen,
CEO at TIE Smart Solutions**

SOLUTION SPOTLIGHT



ELECTRONMOVE

From solar installations to EV charging stations

ElectronMove aims to provide easy access to clean energy to anyone in Thailand seeking solutions to reduce their electricity costs. They offer solar panel installation, solar systems, and maintenance services for residential buildings and companies.

ElectronMove is also in the process of setting up 1,000 charging stations for e-vehicles in Thailand.

Impact

Electronmove has created a joint project with Thailand's Department of Fisheries and Thammasat University to increase the use of clean energy in businesses and communities. ElectronMove has installed 516 solar panels and mitigated an estimated 8,802 kg of CO₂.

Support from New Energy Nexus

Electonmove participated in our Solar SMEs Training and Entrepreneurship Program (SolarSTEP). Following SolarSTEP, New Energy Nexus connected them to form a partnership with a private company in the solar sector and another startup that provides end-to-end charging, setting up 2000 charging stations for e-vehicles in Thailand.



“The New Energy Nexus continues to give us a strong connection and makes me a more confident entrepreneur.”

Tawanrat Chatjuthanon,
CEO at ElectronMove

WHO WE ARE



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Ploynapat (Phing)
Jaroenkocharit
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Thank you to all our funders who made this work possible, and all our partners for actively supporting us in our efforts.



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