Annual Report

on SDG17 Partnership for the Goals

Partnerships for Advancing SDG 7: Affordable and Clean Energy

1. Introduction

Thaksin University recognizes that achieving SDG 7 requires cooperation among higher education institutions, energy providers, government agencies, industry partners, and local communities. Partnerships play an important role in expanding access to clean-energy technologies, improving energy efficiency, and developing the knowledge and skills needed for the energy transition.

During 2025, the University advanced clean-energy initiatives through solar power development, collaboration with the Provincial Electricity Authority (PEA), and cooperation with national institutions to strengthen electric vehicle technology and workforce development.

2. Objectives and Targets of Partnerships for Affordable and Clean Energy

The University's partnerships aim to promote renewable-energy adoption, strengthen energy management, support technological innovation, develop workforce capabilities, and facilitate knowledge transfer between academic institutions and external partners.

These activities contribute particularly to SDG Targets 7.2 (renewable energy), 7.3 (energy efficiency), 7.a (clean-energy technology cooperation), and 7.b (sustainable energy infrastructure).

3. Internal University Collaboration

Solar Power Installation at the Institute for Academic Service Promotion



Date: 13 May 2025 (news publication date)

Participating units: Thaksin University and the Institute for Academic Service Promotion.

Thaksin University supported the installation of a solar power generation system at the Institute for Academic Service Promotion in Phanang Tung, Phatthalung Province. The initiative demonstrates institutional cooperation in promoting renewable-energy infrastructure.

The project involved installing solar electricity generation equipment at the Institute's facilities to promote cleaner energy use and provide a practical example of renewable-energy technology within university operations.

The initiative also offers potential opportunities for academic learning and community knowledge transfer.

Outputs, Outcomes, and Impact

The principal documented output was the installation of solar power infrastructure. The system provides a foundation for increasing renewable-energy use and potentially reducing dependence on conventional electricity sources. The installation of the solar power generation system at the Institute for Academic Service Promotion represents a tangible achievement in renewable-energy infrastructure development. The initiative demonstrates institutional cooperation in expanding the practical application of clean-energy technologies and supporting sustainable energy management within university operations.

Public evidence: https://tsu.ac.th/home/details.php?id=5147

4. National Partnerships

Collaboration with the Provincial Electricity Authority on Solar Rooftop Systems, Energy Storage, and Electric Vehicle Technology



Date: 6 November 2025 | News published: 10 November 2025

Public evidence: https://m.tsu.ac.th/home/details.php?id=5594

Participating partners: Thaksin University, the Provincial Electricity Authority (PEA), Amita Technology (Thailand) Co., Ltd., and Absolute Assembly Co., Ltd.

Thaksin University strengthened its cooperation with the Provincial Electricity Authority (PEA) to advance renewable-energy infrastructure and enhance institutional capacity in clean-energy management. The collaboration included knowledge exchange with private-sector organizations specializing in energy storage and electric vehicle manufacturing.

On 6 November 2025, a delegation from Thaksin University, led by the University President, participated in a technical study visit in Chachoengsao Province in cooperation with PEA representatives.

The delegation visited Amita Technology (Thailand) Co., Ltd. to study energy storage systems and microgrid management technologies. Participants also visited Absolute Assembly Co., Ltd. to learn about electric vehicle manufacturing and related technologies.

The activity built upon the existing cooperation between Thaksin University and PEA on solar rooftop electricity generation systems.

Thaksin University's collaboration with the Provincial Electricity Authority supported the development of solar rooftop infrastructure, including an implemented first phase with an installed capacity of 1,973 kWp. The partnership also advanced planning for a second-phase solar rooftop project with a proposed capacity of 3,500 kWp under the Energy Service Company (ESCO) model. These initiatives reflect continued cooperation in renewable-energy infrastructure and sustainable electricity management. The collaboration aims to strengthen energy efficiency, improve electricity management, reduce operating costs, and support the University's transition towards clean and smart energy infrastructure.

Outputs, Outcomes, and Impact

The documented outputs include technical knowledge exchange with PEA and private-sector technology providers, exposure to energy storage and electric vehicle manufacturing systems, and continued institutional cooperation on solar rooftop development.

The first-phase solar rooftop capacity of 1,973 kWp provides evidence of an existing renewable-energy infrastructure investment. The second-phase capacity of 3,500 kWp represents the scale of the subsequent project described in the 2025 report, rather than verified electricity generation or completed additional installation during the reporting year.

The collaboration strengthens the University's technical understanding of renewable-energy integration and provides a foundation for future improvements in energy management.



Faculty of Engineering, Thaksin University, joins forces with partners to develop commercial innovation and develop human resources for the EV industry

The Faculty of Engineering, Thaksin University, Phatthalung Campus, is moving forward with a strategy to develop the research and innovation capabilities of its staff and students, in collaboration with the National Innovation Agency (NIA) and King Mongkut's University of Technology North Bangkok. This initiative aims to develop research and innovation for commercialization and is preparing to establish an electric vehicle training unit (EV Training).

Public evidence: https://tsu.ac.th/home/details.php?id=5529



Faculty of Engineering, TSU moves forward into the future of smart technology Preparing to establish an EV Training unit

Thaksin University by the Faculty of Engineering Moving forward to drive the policy of using intelligent technology to develop education and personnel. Prepare to establish an electric vehicle training unit (EV Training) by visiting the Technology Park and the College of Industrial Technology. King Mongkut's University of Technology North Bangkok (KMUTNB) To support future industry changes and create new opportunities for students and personnel in the region in a sustainable way.

Public evidence: https://www.tsu.ac.th/home/details.php?id=5477

6. International Partnerships

In 2025, Thaksin University strengthened its international academic and technological cooperation with overseas institutions, including Universiti Malaysia Perlis (UniMAP), Malaysia, and the University of Kitakyushu, Japan. These partnerships focused on research, technology, innovation, academic exchange, and entrepreneurship development.

In 2025, Thaksin University strengthened international cooperation in technology, innovation, research, and academic exchange through partnerships with Universiti Malaysia Perlis and the University of Kitakyushu. These partnerships established opportunities for interdisciplinary research, technological development, and knowledge exchange that may support future sustainability-related initiatives.

Thaksin University entered into an academic cooperation agreement with Universiti Malaysia Perlis to promote joint research, technological innovation, and student and staff exchanges. The agreement established a framework for future collaborative activities in science and technology.

International Technology Startup Collaboration with the University of Kitakyushu

During 24–29 September 2025, Thaksin University participated in the International Technology Start Up Platform project in Japan, in collaboration with the University of Kitakyushu and representatives of Thailand's National Higher Education, Science, Research and Innovation Policy Council Office.

The project focused on strengthening technological entrepreneurship, research commercialization, and innovation development through international knowledge exchange.

The documented outputs included the establishment of an international academic cooperation agreement and the implementation of an international technology entrepreneurship development activity.

These initiatives strengthened institutional relationships and created opportunities for future collaborative research and technological development.

The international partnerships supported institutional capacity development through academic cooperation, technological entrepreneurship, research commercialization, and knowledge exchange. These activities strengthened Thaksin University's international innovation network and provided a foundation for future interdisciplinary collaboration in sustainable technologies. Accordingly, these activities are presented as broader international technology partnerships with potential relevance to SDG 7, rather than completed clean-energy partnership achievements.

Public evidence:

Thaksin University International Relations Office. Academic Cooperation with Universiti Malaysia Perlis, Malaysia



Public evidence: https://iro.tsu.ac.th/detail.php?aNum=20250303085416&id_list=46

On January 21, 2025, Associate Professor Dr. Natapong Jitniratna, President of Thaksin University, together with Associate Professor Dr. Samak Kaewsuksaeng, Vice President for Research and Innovation, and Dr. Khwanchit Suwannoppharat, Assistant to the President for International Affairs, participated in the signing ceremony of an academic collaboration agreement between Thaksin University and Universiti Malaysia Perlis (UniMAP), Malaysia. The delegation from UniMAP, led by Prof. Dato' Ts. Dr. Zaliman Sauli, Vice Chancellor, was warmly welcomed by the university's executives and the staff of the International Relations Office.

The purpose of this agreement is to jointly develop academic collaboration in the fields of technology and innovation, research, student and staff exchange. Furthermore, the agreement extends to other areas of cooperation beneficial for improving the quality of education and advancing the development of both institutions. The ultimate goal is to achieve sustainable outcomes and to foster long-term academic development collaboratively.

Thaksin University. International Technology Start Up Platform: Collaboration with the University of Kitakyushu, Japan, 24–29 September 2025



Thaksin University, together with representatives from the Office of the National Higher Education, Science, Research and Innovation Policy Council (NXPO), participated in the “International Technology Start-Up Platform: A Collaboration between TSU (Thailand) and the University of Kitakyushu (Japan)” project, held from 24–29 September 2025 in Japan.

The project aimed to strengthen the University’s capacity to develop and incubate technology-based start-ups, establish connections with university holding company operations, and promote international collaboration in entrepreneurship and innovation. The initiative also sought to facilitate knowledge exchange, enhance technology commercialization opportunities, and support the development of sustainable innovations for the future.

Public evidence: https://sdg.tsu.ac.th/detail.php?aNum=20250929093200&id_list=1354