

## Report on SDG13: Climate Action

Thaksin University, Thailand

Living in crowded urban areas, having clean air to breathe is a wonderful thing. Green spaces that produce oxygen are gradually decreasing. Therefore, the university has taken on the role of increasing green spaces to provide fresh air, allowing students, staff, and the public to breathe deeply with pure air. Thaksin University recognizes the importance of this issue.

### University in the Park

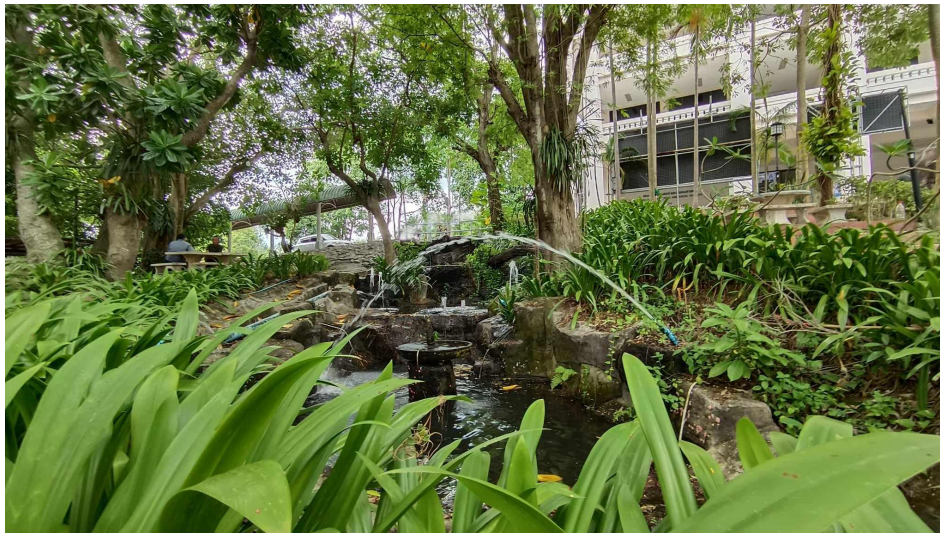
When mentioning 'The University in the Park,' one envisions green spaces filled with trees of various sizes, interspersed with gardens for relaxation, the sound of water flowing over rocks, and the chirping of birds and forest insects in a serene atmosphere. Thaksin University, Songkhla Campus, located on 142 rai at the base of Elephant Mountain, is also a learning hub within this picture and has long served as the 'lungs' for the people of Songkhla.



Source: <https://www.tsu.ac.th/home/details.php?aNum=20231025075236&id=2989&gid=2>

Thaksin University, Songkhla Campus, serves as a source of oxygen, absorbing pollution, dust, smoke, and noise for the growing city of Songkhla. It is a space that brings pleasure, providing a calming and comforting view, which is very important for both the physical and mental well-being of the community. Numerous studies indicate that almost all types of green spaces have positive effects on mental health, both in the short and long term, reducing stress and enhancing quality of life.

The highlight of the garden at Thaksin University lies in its design. Our concept is to create an atmosphere that harmonizes trees with the university's buildings. Trees and grass are allowed to grow naturally, aligning with the 'University in the Park' policy. The garden area is surrounded by the shade of large trees, with clear water cascading down small waterfalls over rock layers.



#### Collaboration between Thaksin University and the Provincial Electricity Authority (PEA)

Additionally, Thaksin University is accelerating the installation of 1,973-kilowatt solar rooftops across both Phatthalung and Songkhla campuses to generate clean electricity from solar energy for its own use. This initiative aims to develop the university into a green university, striving toward sustainable development goals. It is intended to serve as a model for the community, a learning space, and a foundation for further research in clean energy, creating knowledge and environmental innovation to benefit society.



Since Thaksin University is in a region with sufficient sunlight for year-round energy production, this project also supports the university's policy aimed at achieving Sustainable Development Goals (SDGs). It effectively addresses economic prosperity, growth, and environmental sustainability by reducing carbon dioxide emissions into the atmosphere, thereby helping to mitigate global warming. This initiative can serve as a model for the surrounding community and other organizations interested in adopting clean energy. Additionally, it serves as a learning space, allowing researchers to further their research in clean energy, creating knowledge and innovation in environmental fields.





The returns are highly worthwhile, as by signing a contract with the Provincial Electricity Authority (PEA), Thaksin University will receive a 20% discount on the electricity generated from the solar rooftop. Cumulatively, the project can save approximately 1.6 million baht per year on electricity costs, and over the 25-year contract period, Thaksin University will save more than 40 million baht. Additionally, Thaksin University has received support from the PEA for the installation of two EV chargers with a capacity of no less than 120 kilowatts each, one at each campus, which are compatible with the PEA VOLTA application.

Source: <https://www.tsu.ac.th/home/details.php?aNum=20240516082802&id=3629&gid=2>