



THACHANG GREEN ENERGY

Company Profile

Thachang Green Energy Public Company Limited



TGE Story

Thachang Green Energy recognizes the importance of pollution and waste problems in the community, which leads to the Company's operations in resolving and reforming for environmentally friendly energy, which is a megatrend in the world.

The Company supports the use of environmentally friendly renewable energy in order to reduce carbon dioxide gas emission (greenhouse gas emission) which affects global warming and to achieve the Net Zero Emission goal according to the government policy that aims to reduce greenhouse gas emission to zero within the years 2065-2070, as well as being consistent with the country's Power Development Plan (PDP).

Thachang Green Energy is a company which that the associated company in the group has oil palm plantations as one of its principal businesses, which helps to increase its ability in securing palm bunches as raw materials used as fuel in the electricity generation. This advantage together with its strength in the modern machinery technology that can support a diversity of biomass fuels such as empty palm bunches, palm fibers, chipped wood, chopped tree roots, etc., enables the Company to have low production costs when compare to the same type of power plant.

Thachang Green Energy can manage raw materials effectively and re-use the wastes created from the process, resulting in being close to achieving the Zero Waste concept, which helps to protect the environment and society and be consistent with ESG policy that places importance on looking after the environment, society and operating its business under corporate governance, along with attaining sustainable organizational development in order to create balance in all dimensions.

Vision

“The leader of the renewable energy industry with social and environmental care”

Mission

The company focuses on the production and management of renewable energy with important missions as follows:



To build energy security with leading technology integrated with quality resources.



To operate the business in accordance with good governance and friendliness to the community and environment.



To add value and increase the satisfaction of customers, shareholders, and stakeholders.



To make the responsible investment with appropriate risk management.



To create sustainable growth.



Core Values

With the vision of the Group wishing to be a leader in the environmentally and community-friendly renewable energy industry, the Group has therefore set the main values for working as follows:

T

Technology

Continuous development and improvement in power generation technology with innovation.

G

Governance

Good governance, care for the organization, and friendliness to the community and the environment.

E

Excellence

Commitment to excellent outcomes.

Business Philosophy

Energy for Sustainability

The Group recognizes the importance of good corporate governance and has one major goal that is

to strive for sustainable corporate development.

In this regard, the Group has implemented sustainable organization development policy according to the guidelines.

ESG : Environment, Social, and Governance

As a guideline for business operations and to strengthen the structure and management system to grow and develop into a stable and sustainable organization covering all dimensions of economy, society, and environment

In this regard, the Group has put the concept of sustainable organization development at the heart of operational processes and integrated operational plans to be connected to create a balance in the dimensions of economy, society and environment. The ESG has been implemented throughout the business value chain to achieve sustainable development which will bring the greatest benefits to all groups of stakeholders



The Group has a strategy for sustainable organizational development.

To create shared values in the business value chain along with the strategy to create competitive advantage in the business in three areas:



Thachang Group of Businesses

2003

Establish an oil palm processing business



2006

Set up a logistic operation as a service business of transport and logistic business



2015

Set up a joint venture to operate the fully palm oil complex



1986

Create TCP, a palm oil plantation



2004

Establish rubber processing business



2014

Focus on energy business



2019

Expand into Municipal Solid Waste power generation Business

Company Milestones



2011

Start the Biomass Power Plant business under TCP.

TCP started selling electricity to the Provincial Electricity Authority (PEA) and started earning revenue from the power plant business for the first time.

Company's registration of TGE for business operations of production and distribution of electricity.

2014



2016



TGE purchased 65% of TPG's shares from the Wanasuwanakul family group.

TGE accepted the transfer of the biomass power plant business and all related contracts from TCP, started selling electricity to the Provincial Electricity Authority (PEA) and earned revenue from the power generation business on December 29, 2017.

TGE purchased 35% of TPG's share from G7 Power Co., Ltd.



2017

2019



Expanded investment in the municipal solid waste power plant project by starting its first project in Sa Kaeo province under TES., - In addition, the Company later expanded its investment to Chumphon province under TES CPN and Ratchaburi province under TES, respectively.

TPG started to sell electricity to the Provincial Electricity Authority (PEA) and started earning revenue from the power generation business.

2020



Called for an increase in paid up of registered capital to 800 million baht.

Restructured the shareholding structure of TGE from the original structure in which 60% of TGE's shares were held by TCGH with 40% of its shares being held by TCGH and 100% of its shares being held directly by the Wanasuwanakul family group.

TGE PRI was established to operate the MSW power generation project in Prachin Buri province and TES CPN was established for the same purpose in Chai Nat province.

TGE sold the total shares of TPG2 and TBF to TCGH in order to restructure the group in which TPG2 was established in order to bid in an auction for biomass power generation license.

As for TBF, it was established for the business operation of selling and distributing chopped wood, which the Company views that this is not the main business of the TGE group. At that time, TBF had not started its operations. TPG started selling electricity the Provincial Electricity Authority (PEA) and started earning revenue from the power generation business for the first time.



2021

TBP started selling electricity the Provincial Electricity Authority (PEA) and started earning revenue from power generation business.

The Company was transformed to Public Company Limited, and the par value of its share was changed from 1,000 baht/share to 0.50 baht/share.

TGE Key Competitive Advantages

Thachang Green Energy Group has committed to being a leader in electricity generation from renewable energy sources with innovations of the future to obtain energy that is friendly to the environment and the community.



Effectiveness

Having cost effectiveness



Efficiency

Having production and management efficiency



Experience

Having experience in human resources and expertise in business operations

Business Highlight

Total Electricity
51.7MW

Biomass Power Generation Business Group



29.7MW

Total installed production capacity

Municipal Solid Waste Power Generation Business Group



22.0MW

Total installed production capacity

Business Highlight

Biomass Power Generation Business Group

29.7MW

At present, there are 3 projects under 3 companies, namely TGE, TPG and TBP, located in the group area in Surat Thani province, an important palm cultivation source of the country.

The power plants generate electricity from biomass raw materials, including empty palm bunches, palm fibers, and chopped palm trees, which are by-products of the production and extraction of palm oil. They are raw materials that can be easily found in Surat Thani province, one of the country's major oil palm plantations. However, the Group's biomass power plants can also utilize other biomass raw materials, such as chopped roots and wood chips, if the palm is scarce or expensive.

Thachang Bio Power Company Limited (TBP)

Total installed production capacity
9.9 MW.

Thachang Green Energy Public Company Limited (TGE)

Total installed production capacity
9.9 MW.

Thachang Power Green Company Limited (TPG)

Total installed production capacity
9.9 MW.



Production Process - Leading to Zero Waste Management



Business Highlight

Municipal Solid Waste Power Generation Business Group

22.0MW



The community waste power plants have been already selected by relevant Local Administration Organizations and awaited the Energy Regulatory Commission (ERC) to announce the purchase of electricity and enter-into the PPA contracts. The said power plants are:

TES in Sa Kaeo	8.0 MW
TES RBR in Ratchaburi	8.0 MW
TES CPN in Chumphon	6.0 MW

The total installed production capacity is 22 megawatts (16 megawatts for sale to PEA). The main raw material of the community waste power plants is solid wastes, which the company has contracted to dispose of with the Local Administration Organizations and the community in the surrounding area.

Benefits



Reduce pollution problem and help protect the environment

Community and farmers gain benefits, turn problems into revenues, and have a better life



Gain benefit from leftovers, create employment in related industries along the supply chain

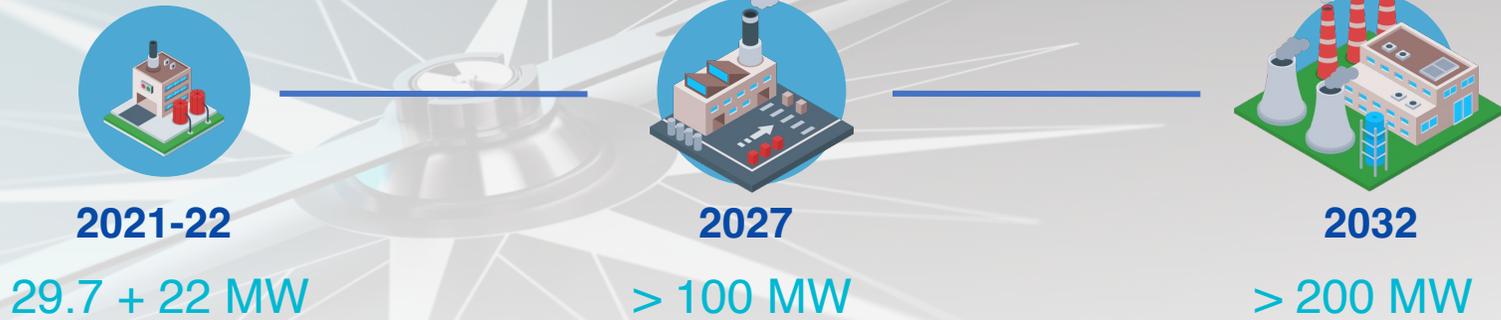


Support government policy in reducing greenhouse gas emissions



Strengthen energy security for the nation

TGE 10-Years Business Plan



Strategy : Growth with IPO

- 1** Expands electricity generation capacity continuously
- 2** Utilizes technology and innovation in the management
- 3** Enters the realm of other potential alternative renewable energy
- 4** Partners with business alliances, both locally and internationally

Board of Directors



1. Dr. Kosit Fuangwasdi

Chairman of the Board of Directors
Independent Director

2. Mr. Pongnarin Wanasuwanakul

Chairman of the Executive Committee
Member of the Risk Management Committee

3. Mr. Pongnarate Wanasuwankul

Member of the Executive Committee
Member of the Risk Management
Committee

4. Mrs. Phatcharin Lapharokij

Member of the Executive Committee
Member of the Nomination, Remuneration
and Corporate Governance Committee

5. Ms. Laongtip Wanasuwannakul

Member of the Executive Committee
Member of the Nomination, Remuneration
and Corporate Governance Committee

Board of Directors



6. Dr. Sakda Siriphatrasophon

Member of the Executive Committee
Chief Executive Officer (CEO)

7. Mr. Thoranit Tantikulwicht

Chairman of the Audit Committee
Member of the Nomination,
Remuneration and Corporate
Governance Committee
Independent Director

8. Mrs. Pensri Meesuksabai

Chairman of the Nomination,
Remuneration and Corporate
Governance Committee
Audit Committee
Independent Director

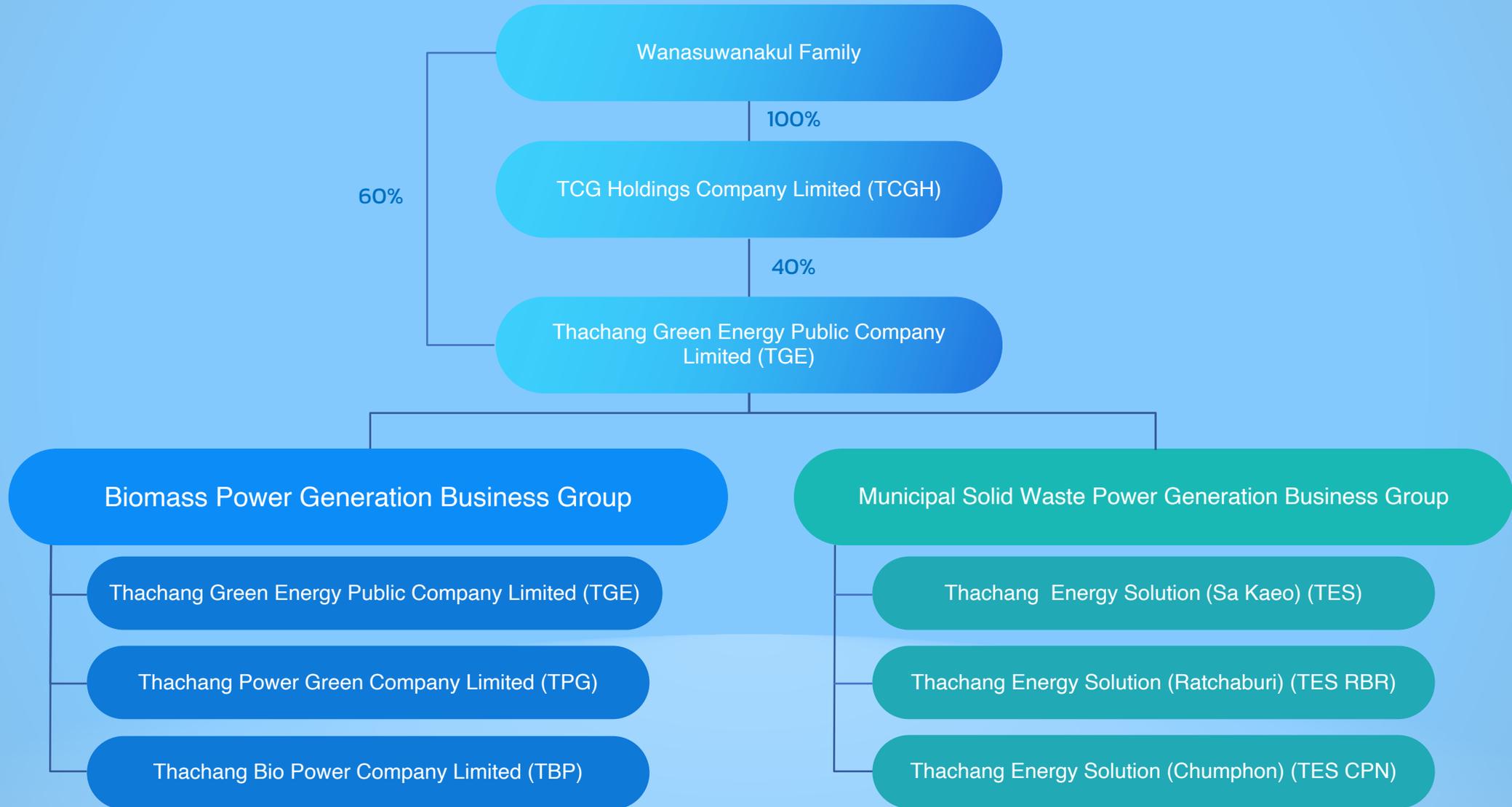
9. Mr. Arthorn Sinsawad

Chairman of the Risk Management
Committee
Audit Committee
Independent Director

10. Dr. Tanan Chub-uppakarn

Member of the Nomination,
Remuneration and Corporate
Governance Committee
Member of the Risk
Management Committee
Independent Director

Shareholding Structure



Pride Awards and Certificates

The TGE Group operates the business under the operating standards with care for friendliness to the environment and creates sustainable stability in energy, participation in strengthening communities, society, and all groups of stakeholders with international accreditation standards and various awards of achievements as follows:

Awards



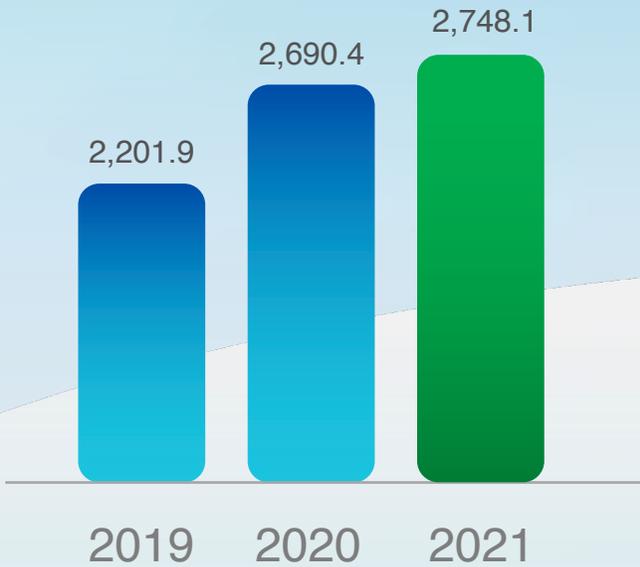
Certificates



Financial Highlight

Assets

(Million Baht)



Revenue from Sales

(Million Baht)



Net Profit

(Million Baht)





THACHANG GREEN ENERGY

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