



AGENDA

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COMPANY OVERVIEW

Summary of Company Information





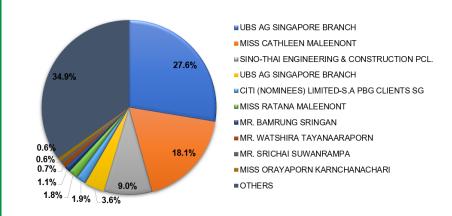
COMPANY OVERVIEW

Thai Solar Energy Public Company Limited ("TSE") was established in 2008 as a producer and supplier of renewable electricity from solar power and biomass to government and private companies. Our mission is to establish a strong presence in Thailand's solar power industry, expand into other renewable energy sectors, and develop an international solar power business with a focus on the Asia and Oceania regions.

Stock Information

| Company: | Thai Solar Energy Public Company Limited |
|--|--|
| SET Symbol: | TSE |
| Listed in: | MAI on October 30, 2014 Moved to SET since May 14, 2019 |
| Paid up Capital: | THB 2,117 million |
| Sector: | Energy & Utilities |
| Industry: | Resources |
| CG Score: | A A A A |
| Company Credit Rating (5 Mar 2025): | BBB "stable" |

Major Shareholders as of March 31, 2025



TSE's Milestone

2008-2014 2015-2017 2018-2019 2020-2024

Solar Farms + Rooftops (TH)

Solar Farms (JP) + Biomass (TH) Merger & Acquisition

Private PPA

2025-Present

Expanding Investment

2008: > Established TSE

2011: > Majority owned by Dr. Cathleen Maleenont

> > COD Solar Thermal (4.5 MW)

2013: > COD 5 TH Solar PV Farms (40 MW) *Partnership with GPSC (TSE 60%)

> COD Solar PV TH 5 projects* (40 MW) *Partnership with

GPSC (TSE 60%)
> COD Solar Rooftop 5
Project (5 MW)

2015: > Expanded TSE's

Business operation in Japan

> COD a Solar PV JP (0.5 MW)

> COD 9 Solar Rooftop (9 MW)

2016: > COD a Solar PV "SLC" (1 MW)

> COD 4 Solar PV JP (6.5 MW)

2017: >Invested in 3 Biomass
Projects

>Invested in Mega Project in Japan " Onikoube" 2018: > COD Biomass 3 projects (22.2 MW)

> COD 2 JP Solar Farms (15 MW)

> Acquired new 4 TH Solar Farms (20 MW)

2019: > Move to SET on May 14, 2019

> Capital Increase to 2,117.7 MB. completely in OCT 2019.

2020: > Acquire 2 TH Solar Farms (10 MW)

2021: > COD Floating Solar PV Project (8 MWp) since May 25, 2021

2023: > Awarded Solar Big Lot Phase 1 (7 Farms 92.96 MW)

2024: > Awarded Solar Big Lot Phase 2 (21 Farms 136.10 MW)

> > Solar PV panel Replacement for Solar Farms and Rooftops

2025: > Bond repayment

(debt restructuring) 1,200 MB.

> Divested SSE1 Solar Farms Project (80 MW)

> BSW acquired additional 0.6 MW with PEA (2 years)

> Acquired BIC, Expand in Health Business

> Expand to new Renewable Energy Business

TSE'S PROJECTS



TOTAL 62 PROJECTS AND CAPACITY 382.86 MWppa

Solar PV Farms & Floating in TH

109 MWppa – 16 Farms 8 MWppa – 1 Floating Total of 117 Mwppa- 17 Projects

Solar PV Rooftops

14 MWppa - 14 Rooftops

Biomass

22.80 MWppa - 3 Plants

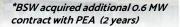
Awarded New PPA Solar PV Farms in TH

229.06 MWppa - 28 Farms













โครงการในประเทศไทย

109 MW โซล่าร์ฟาร์ม 🤘





SSE-PV01 (8 MW) COD SEP 2013



SSE-PV07(8MW) COD MAR 2014



SSE-PV02 (8MW) COD JUL 2013



SSE-PV08(8MW) COD JUN 2014



SLC(IMW) COD DEC 2016



SSE-PV03(8MW) COD OCT 2013



SSE-PV09(8MW) COD APR 2014



BSS (5MW) COD DEC 2016



SSE-PV04(8MW) COD NOV 2013



SSE-PVI0(8MW) COD MAY 2014



Mars (5MW) COD DEC 2018



SSE-PV05(8MW) COD NOV 2013



INS (2MW) COD DEC 2015



SSE-PV06(8MW) COD JUN 2014



SSP (8MW) COD MAR 2013



SCT (8MW) COD DEC 2015



8 MW ໂซล่าร์ฟาร์มบนน้ำ 🤅 🦠 (Private PPA) 盾

ข้อมูลโครงการ

ดำเนินการโดย : บริษัท สยาม ธารา โฟลทติ้ง จำกัด ที่ตั้งโครงการ: นิคมอุตสาหกรรมกบินทร์บุรี (KIZ)

กำลังไฟฟ้าเสนอขาย: 8 MW

COD: 25 W.A. 2021

รูปแบบสัญญา: Private PPA อายุสัญญา 25 ปี

คู่สัญญา: บริษัท อาร์เซลิก ฮิตาชิ โฮม แอพพลายแอนซ์ จำกัด











้ โครงการในประเทศไทย

14 MW โซล่าร์บนหลังคา 🕅





RT-01 Lopburi



RT-06 Nakhon SiThammarat **COD JUL 2015**



RT-02Phrae **COD FEB 2015**



RT-07 HatYai **COD OCT 2015**



RT-03 NakornSawan **COD JUN 2015**



RT-08 Ubon Ratchathanee **COD MAR 2015**



RT-04Chumporn **COD SEP 2014**



RT-09 KhaoYai **COD NOV 2014**



RT-05 SuratThani **COD DEC 2014**



RT-10Ekamai-Ramindra **COD FEB 2015**



RT-11Ratchapruek **COD NOV 2014**



RT-12Thapra **COD JUL 2015**



RT-13Bangkapi **COD JUL 2015**



RT-14Ngamwongwan **COD AUG 2015**



22.80 MW โรงไฟฟ้าพลังงานชีวมวล ®









BSW (4.6+0.6 MW*)

OSW1 (8.8 MW)

OSW2 (8.8 MW)

| | - | . • |
|--------|-------|---------|
| รายละเ | อยด / | ไครงการ |

BSW

OSW Project #1 & 2

บริษัท ออสการ์ เซฟ เดอะ เวิร์ล จำกัด (โครงการ 1 & 2)

ดำเนินการโดย: บริษัท บางสวรรค์ กรีบ จำกัด กำลังการผลิตติดตั้ง/เสนอขาย:

อายุสัญญา:

ที่ตั้งโครงการ: COD:

6.0 MWp/ 5.2 MWppa 20 Ü

สุราษฎร์ธานี มีนาคม 2018 15 ปี 4 เดือน

นครศรีธรรมราช

OSWI - สิงหาคม 2018

19.8 MWp/ 17.6 MWppa

OSW2 - ตุลาคม 2018

*0.6 MW 2 YEARS CONTRACT UNTIL 31 DEC 2026, TARIFF 2.2 THB./KWH

HIGHLIGHTS OF Q1 2025



KEY ACTIVITIES IN Q12025









Unit: MB

11%

5%

16%

11%

11%

10%

-12%

21%

55%

381%

57%

-25%

-100%

-44%

1846%

-33%

-4% 24%

Change

 Δ YoY (%)

Q12025

312

14

20

345

(225)

120

(30)

90

17

111

(56)

55

11

65

(76)

187

Q12024

282

13

17

312

(203)

109

(34)

74

(6)

71

(75)

101

97

97

(80)

150

INCOME **STATEMENT** Q1 2025

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| ed | | |
|----|--|--|

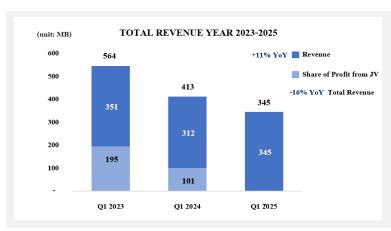
| TSE - Consolidated |
|---|
| Revenue from sales and service |
| Subsidy for FiT Premium |
| Management service fee income |
| Total revenue |
| COGS |
| Gross profit |
| SG&A |
| Operating profit |
| Other income |
| Other gains (losses) |
| EBIT |
| Finance cost |
| Share of profit from investment in joint ventures |
| Profit before income tax |
| Income tax revenue |
| Profit for the period |
| Depreciation & Amortization |

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Normalized EBITDA



TOTAL REVENUE AND EBITDA OF Q1 2025

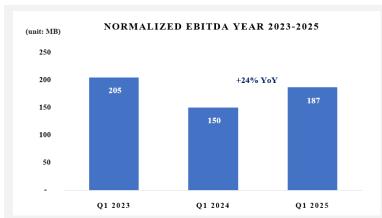


TOTAL REVENUE AND SHARE OF PROFIT FROM JV

The Group's revenue for YE2025 was THB 345 million, an increase of THB 33 million or 11% THB 312 million in the previous year, driven by strong performance of solar and biomass power plants, solar module replacement, and new revenue from the healthcare business.

However, there was no share of profit in 2025, compared to THB 101 million in Q1 2024, due to the divestment of the SSE1 project, which aligns with the Group's strategic portfolio optimization.

Therefore, the Group's total revenue in Q1 2025 was THB 345 million, representing a decrease of THB 68 million or 16% compared to THB 413 million in Q1 2024. Looking ahead in 2025, the Group is actively bidding for new projects to generate income and enhance profitability.



NORMALIZED EBITDA

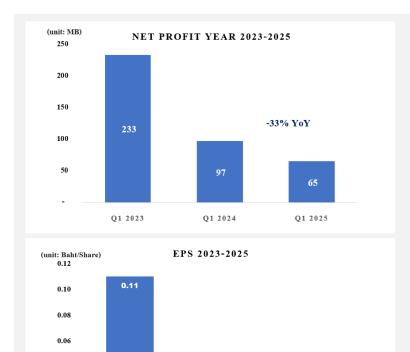
The Group reported EBITDA from normal operations of THB 187 million, an increase of THB 37 million or 24% from THB 150 million in the same period of the prior year, driven by higher sales, service income, and other income.



NET PROFIT & EPS OF Q1 2025

0.03

Q1 2025



NET PROFIT OF Y2023 - Y2025

The group's net profit of Q1 2025 was 65 MB., a decrease of 32 MB. or 33% from the same period last year.

However, excluding the share of profit from joint ventures in Q1/2024 amounting to THB 101 million, the Company's operating profit improved significantly.

It shifted from a loss of THB 4 million in the previous year to a profit of THB 65 million in Q1/2025, reflecting a 17% increase from core operations attributable solely to the Company.

EPS OF Y2023 - Y2025

The Group's EPS for Q1 was 0.03 THB per share, a slightly decrease from 0.05 THB per share in Q1 2024.

The primary reason for this decline was the reduction in the share of profit from joint ventures.

0.05

Q1 2024

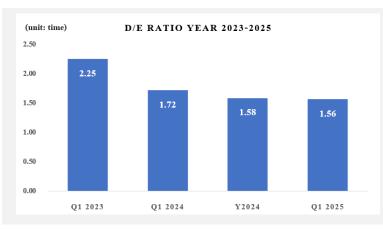
0.04

0.02

Q1 2023



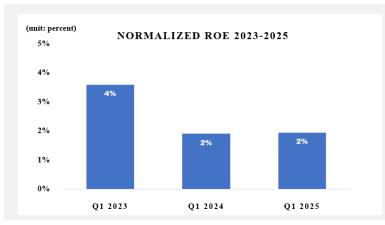




D/E RATIO

The D/E ratio of Q1 2025decreased to 1.56 times, a reduction of 0.02 times from 1.58 times at from YE 2024.

This reduction in the D/E ratio is due to the successful early redemption of debentures and long-term loans from financial institutions. With this improved financial position, the Group is well-positioned to secure funding from financial institutions.



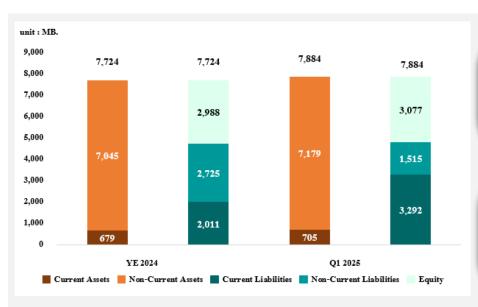
NORMALIZED ROE

Normalized ROE in Q1 2025 slightly decreased to 2 % from 3% in Q1 2024 due to a decline in normalized net profit. The calculation excludes one-time transactions.

Note: - Equity is average equity attributable to owners of the parent



FINANCIAL POSITION OF Q1 2025



| FINANCIAL POSITION | Q1 2025 | YE2024 | +/- (%) |
|--------------------|---------|--------|---------|
| Assets | 7,884 | 7,724 | 2% |
| Liabilities | 4,807 | 4,736 | 2% |
| Equities* | 3,077 | 2,988 | 3% |

Note: *Average Equity attributable to owners of the parent

TOTAL ASSETS +2%

As of March 31, 2025, the Group's total assets were THB 7,884 million, an increase of THB 160 million or 2% from THB 7,724 million as of December 31, 2024. The primary reasons were the increase in assets resulting from the acquisition of a subsidiary in the healthcare business, and the reversal of impairment losses on land, buildings, and equipment, following the reinstatement of these assets for use in the selected Solar Big lot project.

TOTAL LIABILITIES +2%

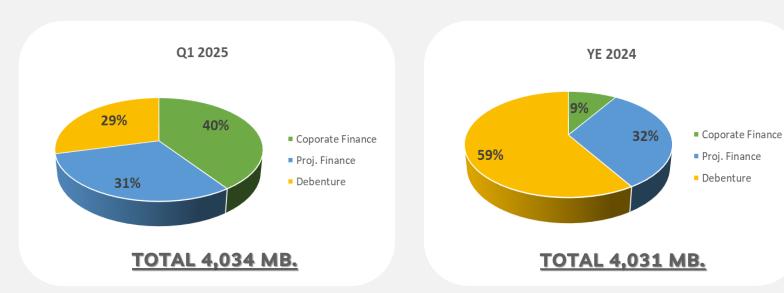
As of March 31, 2025, the Group recorded total liabilities of THB 4,807 million, an increase of THB 72 million or 2% from THB 4,736 million as of December 31, 2024. The increase was primarily due to the acquisition of a subsidiary in the healthcare business and the rise in short-term borrowings from financial institutions.

EQUITY ATTRIBUTABLE TO OWNERS OF THE PARENT +3%

As of March 31, 2025, the Group's total shareholders' equity amounted to THB 3,077 million, an increase of THB 89 million or 3% from THB 2,988 million as of December 31, 2024. This was attributable to the acquisition of a subsidiary in the healthcare business and the increase in retained earnings.



INTEREST BEARING DEBT OF Q12025 & YE2024



INTEREST BEARING DEBT

Most of the Group's Interest bearing debt (IBD) was from *Corporate Finances*, with the proportion of debenture to IBD in Q1 2025 increasing by 31% from 9% in YE2024 to 40%, due to the increasing of short-term borrowings from financial institutions.

The remaining of interest bearing debt was from *Project Finances* and *Debentures was 91%* in YE2024 to 60% in Q12015, which decreasing by 31%, due to an increase in corporate finances.

The ratio of interest-bearing debt to equity was 1.31 times in Q1 2025, decrease from 1.35 times at year-end 2024, reflecting an increase in company's equity.

BUSINESS OUTLOOK

Summary of TSE's Business Plan





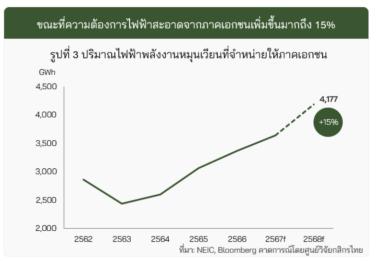
TRENDS & OPPORTUNITIES

ปริมาณการจำหน่ายไฟฟ้าพลังงานหมุนเวียนมีแนวโน้มเติบโตในปี 2568



ความต้องการไฟฟ้าหมุนเวียนจากภาครัฐคาดว่าจะขยายตัวราว 2% ขณะที่ภาคเอกชนเพิ่มขึ้น มากถึง 15% (รูปที่ 2 และ 3)





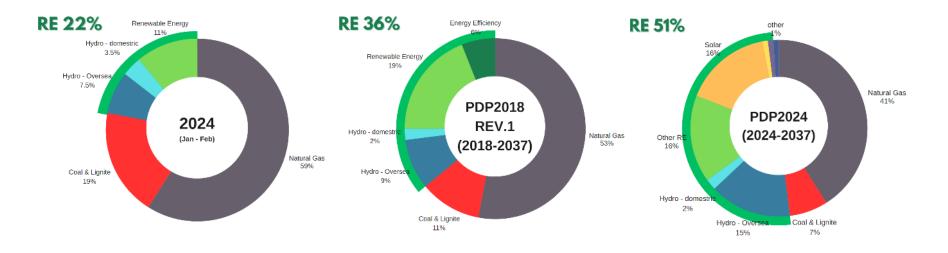
ในปี 2568 ปริมาณไฟฟ้าพลังงานหมุนเวียนที่ขายให้ภาครัฐ คาดว่าจะอยู่ที่ 23,555 GWh (รูปที่ 2) เพิ่มขึ้นจากการส่งเสริมทางด้านนโยบายภาครัฐ โดยจะมีโรงไฟฟ้าพลังงานหมุนเวียนที่เริ่มจ่าย ไฟฟ้าเข้าสู่ระบบเพิ่มเติมรวมเป็นจำนวน 226.9 MW จากปริมาณขายตามสัญญา ประกอบด้วยโรงไฟฟ้า พลังงานแสงอาทิตย์ 8 แห่ง และโรงไฟฟ้าพลังงานขยะ 3 แห่ง

TRENDS & OPPORTUNITIES OF RENEWABLE ENERGY IN THAILAND



Pathway to Thailand's new PDP2024

The Energy Policy and Planning Office (EPPO) of the Ministry of Energy has announced a public hearing for PDP2024 and AEDP2024, scheduled from June 19 to 23, 2024. According to the draft PDP2024, the plan aims to increase the proportion of renewable and alternative energy to 50% by 2037, up from the 30% target set in PDP2018 Rev.1.



TRENDS & OPPORTUNITIES OF RENEWABLE ENERGY IN THAILAND



The Promotion of Renewable Energy under AEDP2018 - Electricity Sector

In 2022-2023, ERC had released regulation to procure Electricity from Renewable Energy using Feed-in-Tariff (FiT) Scheme for 2024-2030. The total capacity is equal to 8,871 MW, which split into 2 phases as following:

| Phase 1 - SCOD | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | Total |
|-------------------|------|------|------|------|-------|------|------|-------|
| Solar Energy | | | | | | | | |
| Solar Farm | 190 | 290 | 258 | 440 | 490 | 310 | 390 | 2,368 |
| Solar Farm + BESS | 100 | 100 | 100 | 100 | 200 | 200 | 200 | 1,000 |
| Wind Energy | | 250 | 250 | 250 | 250 | 250 | 250 | 1,500 |
| Biogas Energy | | | 75 | 75 | 75 | 70 | 40 | 335 |
| Grand Total | 290 | 640 | 683 | 865 | 1,015 | 830 | 880 | 5,203 |

Phase 1: 5,203 MW Status: Completed

TSE acquired 88 MWppa under New FiT Scheme (Phase 1)

| Phase 2 - SCOD | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | Total |
|------------------|------|------|------|------|------|-------|-------|-------|
| Solar Energy | | | | | | | | |
| Solar Farm | | | 232 | 200 | 600 | 800 | 800 | 2,632 |
| Wind Energy | | | | | 200 | 400 | 400 | 1,000 |
| Biogas Energy | | | 7 | | | | | 7 |
| Industrial Waste | | | 30 | | | | | 30 |
| Grand Total | | | 269 | 200 | 800 | 1,200 | 1,200 | 3,669 |

Phase 2: 3,669 MW
Status: To be updated

TSE awarded additional 136.10 MWppa under Phase 2 Commercial electricity sales for these projects are scheduled between 2027 and 2030.

Note

To be updated PPA status by the 2nd quarter of 2025

BUSINESS PLAN: GROWTH & INVESTMENT

3 YEARS INVESTMENT PLAN (FY2025-2027)

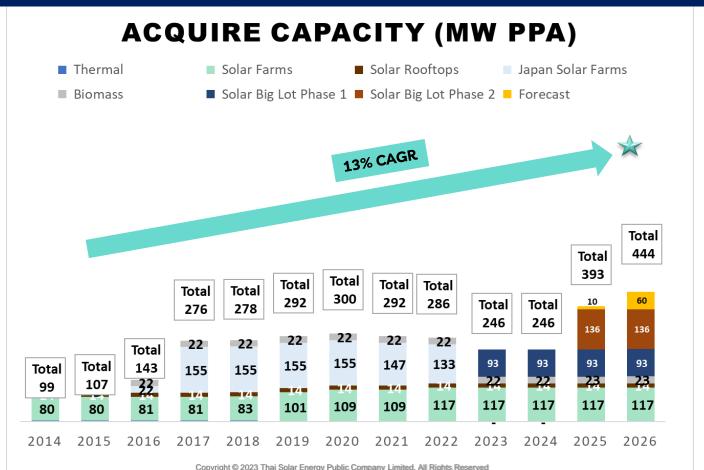


(Phase#1)

BUSINESS PLAN: GROWTH & INVESTMENT



CAPACITY GROWTH



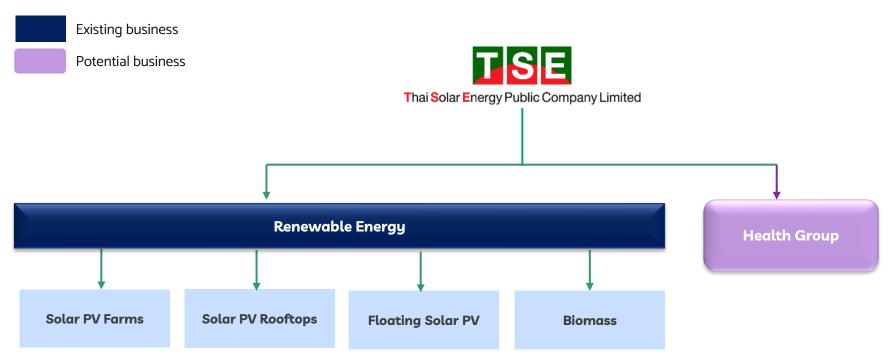
BUSINESS PLAN: GROWTH & INVESTMENT



HEALTH & WELLNESS - BUSINESS DIVERSIFICATION

TSE's Strategic Direction

The acquisition serves as preliminary step towards TSE's new strategic direction to become a sustainability business







MOU SIGNING CEREMONY

Between

OLAR ENERGY PUBLIC COMPANY LIMITED

And

VIWAT CHINPILAS, M.D.



Healthcare **Business**

- On 3 January 2025, TSE completed the acquisition of 100% of Bangkok Infertility Center Co., Ltd. (BIC), which specializes in obstetrics, gynecology, and infertility treatment (Bangkok IVF Center Clinic), and subsequently changed the company name to Vita Prime Company Limited.
- Revenue recognition begins in Q1 2025.
- · Company also plans to grow into the beauty, wellness, and pharmaceutical sectors, aiming to step forward in these industries in the near future.

HEALTH & WELLNESS – GROWTH PLAN



KEY SUCCESS FACTOR AND PARTNERSHIP WITH EXTERNAL EXPERT



Well Established Achievement with Existing Footprint in Thailand

Well Accumulated Experience & Expertise Team of Renewable Energy Business in Various Countries



Strong Relationship with Partners & Suppliers













Strong Relationship with Leading Financial Institutions









High Credibility as a Listed Company on the Stock Exchange of Thailand.



ar Energy Public Company Limited, All Rights Re





