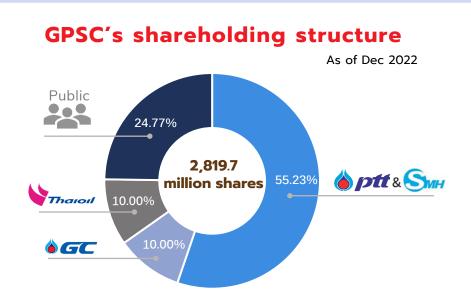


GPSC | Structure



The power and smart energy flagship of PTT Group

"GPSC, The global leading innovative and sustainable power company, the core business is to generate and supply electricity and utilities to customers and also developing new S-Curve business to create value to stakeholders."



COMPANY INFORMATION (as of Feb 17, 2023)

Paid-up Capital THB 28,197 million

Market Cap. THB 200,201 million

(3rd in power sector)

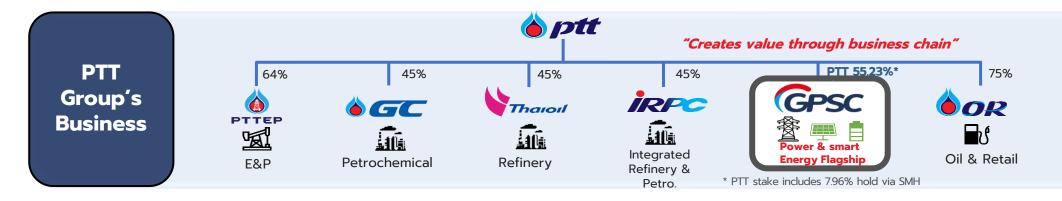
CREDIT RATINGS

AA+

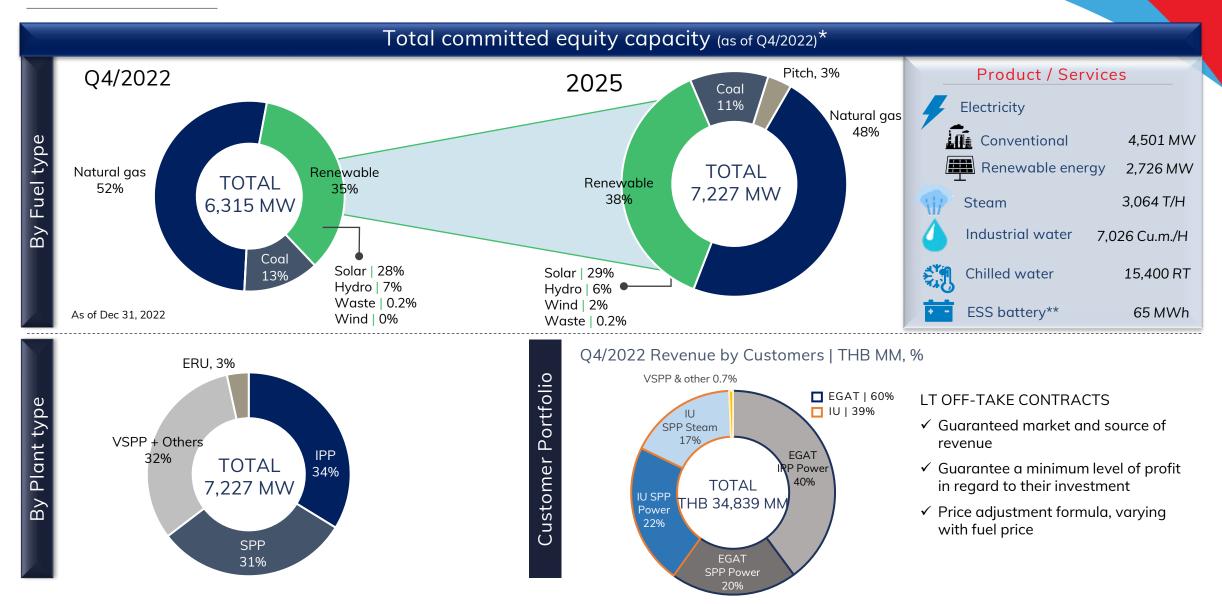


A+(tha) BBB-

FitchRatings



Business Portfolio



Note: * Total equity capacity includes Solar Power Platform (Avaada) 1,990 MW and Offshore wind farm (CFXD) 149 MW.



^{**} Total size of ESS battery after transferred of the assets related to battery business to NUOVO PLUS which GPSC holds 49% stake.

Agenda

- 2022 in Review & Going forward
 - Operational Best in Class by 2025
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- 4 Financial Performance



2022 In Review | Global Event & World outlook





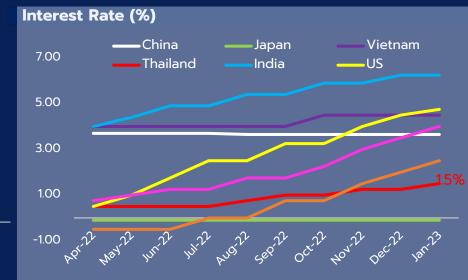


IMF.org/social

Source: IMF, World Economic Outlook Update, January 2023.

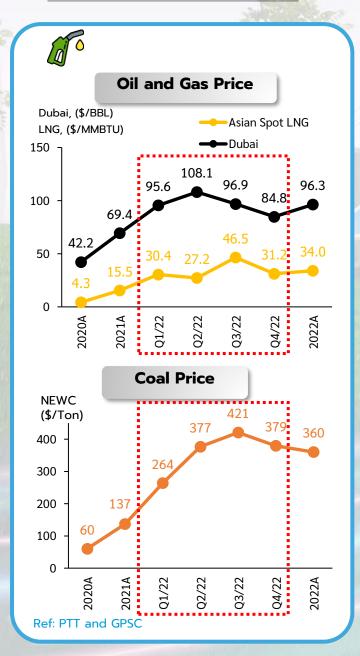
Note: Order of bars for each group indicates (left to right): 2022, 2023 projections, and 2024 projections

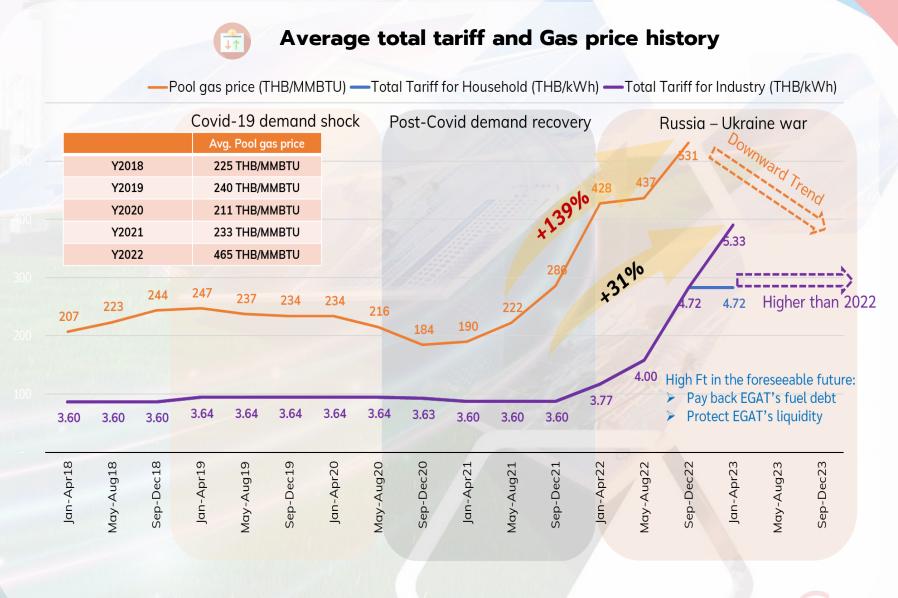




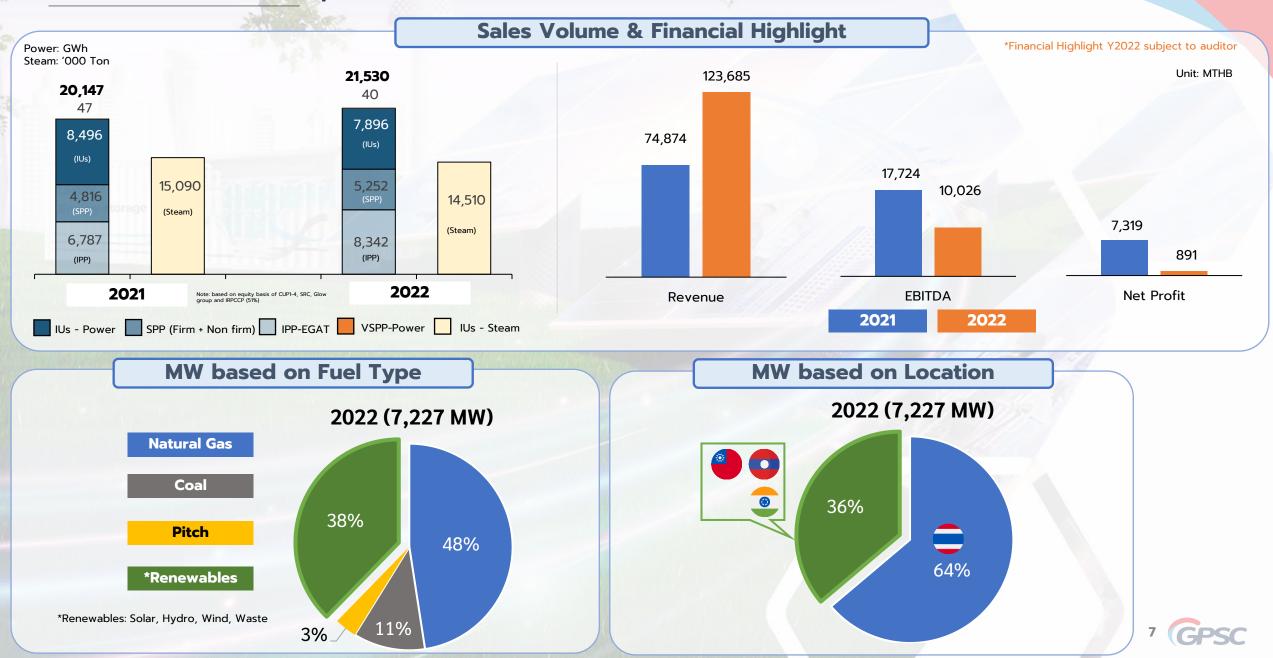
- World GDP growth is forecasted to grow slower after rapid recovery from COVID-19, the continuity of the Russia-Ukraine war and the concern of recession, whereas Thailand's GDP would increase due to high exposure to tourism sector, which are continued recovering.
- GDP growth leads to an increase in electricity consumption, but high interest rate level could impact investment

2022 In Review | Thailand – Energy Crisis 2022

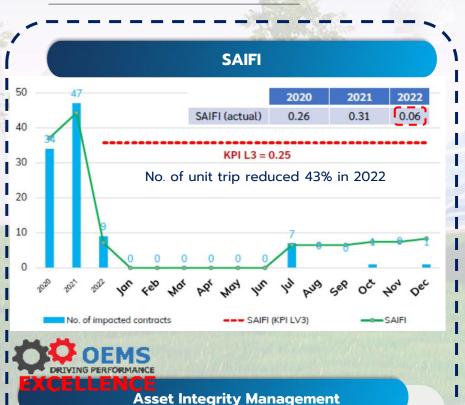




2022 In Review | GPSC Performance and Portfolio



4S Corporate Strategy | S1-Strengthen and expand the Core



Asset Integrity Management

Transmission

System Improvements

Process & People =

850

Power & Steam

Networks

GLOW Energy Ph2 SPP Replacement



GLOW energy phase 2 replacement Block#1 COD in Nov'22 and Block#2 in Jan'23

ERU Project



Energy Recovery Unit (ERU) project Of 250 MW power and 175 Ton steam is under construction, COD in 2025

New Project SPP Replacement



GLOW SPP 2 Replacement

Conducted a piling work for 98 MW GLOW SPP 2
Replacement with SCOD in 2024

GLOW SPP 3 Replacement Progress

- FID >> No new coal power plants to achieve net-zero policy
- Option: Switch to NG power plant for industrial's customer demand



4S Corporate Strategy | S2-Scale-up Green energy

Enhancing Green Energy Portfolio





ERC Sandbox Phase II



 Projects from GPSC have qualified for the ERC Sandbox Phase 2.

Thailand's RE Investment



 GPSC group is in the process of participating in bidding ~360 MW for RE under PDP (8 projects)



Joint venture agreement with CIP to develop wind power projects with the focus in Thailand

Oversea Investment





- Equity injection to AEPL from 41.62% to 42.93%
- Operating capacity has increased from 1,392 MW at time of purchase in 2021 to 3,931 MW at the end of 2022





CFXD: Offshore wind in Taiwan

- Transaction completed for CFXD project
- The first turbine (9.6 MW) has already achieved the first power in Nov 2022
 - Ph. 1 (96 MW) completion: Q3/2023
 - Ph. 2 (499 MW) completion : Q4/2023
 - Full COD: Q1/2024

4S Corporate Strategy | S3-S-curve & Batteries



Battery Business

NUOVO PLUS



• The asset transfer is recognized as the lithium-ion battery business.



 JV between Nuovo+, PTT, and Gotion to explore potential opportunity of battery in Thailand



 AXXIVA 1 GWh battery manufacturing plant for EV is expected to COD in 2023

New S-curve



H2 value chain & CO2 Capture:



 Co-study with PTT group for each technology and benefit

CCUS:



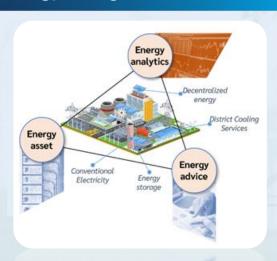
 PTT Group Study CCS Hub Model Technology Prototyping for Net Zero Goals



 MOU with PEA to jointly develop a project on battery energy storage system technologies for use in the power grid of PEA

4S Corporate Strategy | S4-Shift to customer centric solution

Energy Management Services



Energy Innovation Development



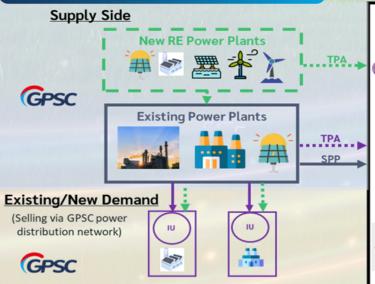
 MOU with SC Asset to implement the project of renewable energy and energy innovation development designated for SC Asset's development plans

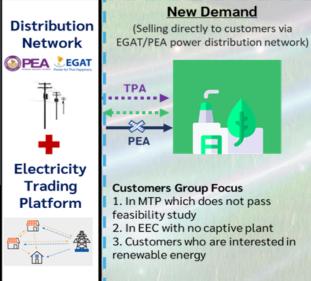
Floating Solar Project



 Collaboration with GC on a floating solar power production project to help with climate change issues in line with GC

Third Party Access (TPA)





ERC Sandbox Phase II

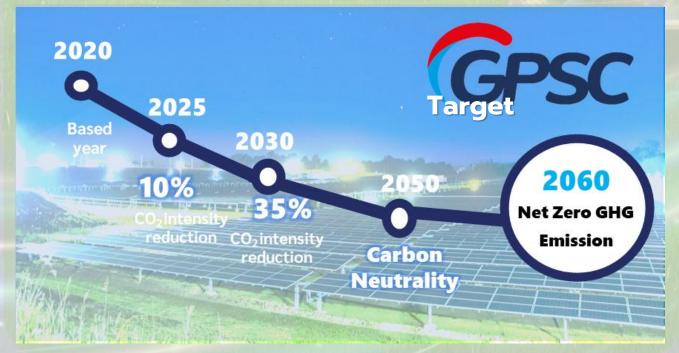


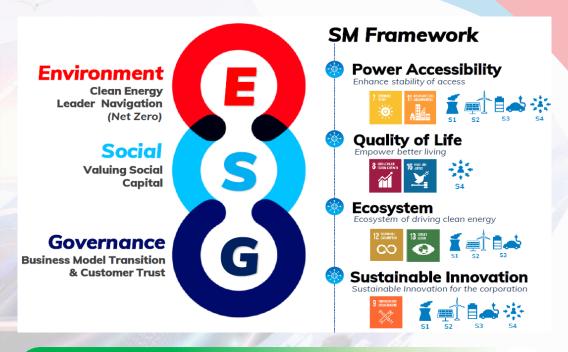
 Cooperation with PTT and Western Digital in studying renewable energy development and application guideline for WD through new electricity purchase contracts (TPA) under the ERC Sandbox Project, Phase 2

Corporate Strategy | Sustainability



'Environment Minister Varawut Silpa-archa'





Listed in DJSI 2022



Set-up GCSC and task force to drive Roadmap and implement to NET ZERO GHG

2023 | Target Growth

2023 Core Business Growth



As a result of Thai economic recovery and new contracts execution, Electricity and Steam sales to industrial customers are expected to grow ~10% YoY and grow ~3% YoY, respectively

2023 Committed MW Growth in Pipeline

> 350 MW

2023 Additional MW Growth

> 300 MW

- RE growth in Thailand along new PDP 2022 bidding and through Third Party Access (TPA)
- RE Growth in India along AEPL platform, as well as other related opportunities
- Growth through GRP platform in key APAC countries
- Growth in battery business through NUOVO PLUS

Agenda

- 2022 in Review & Going forward
 - Operational Best in Class by 2025
- Investments opportunities & Update of Project
- 4 Financial Performance



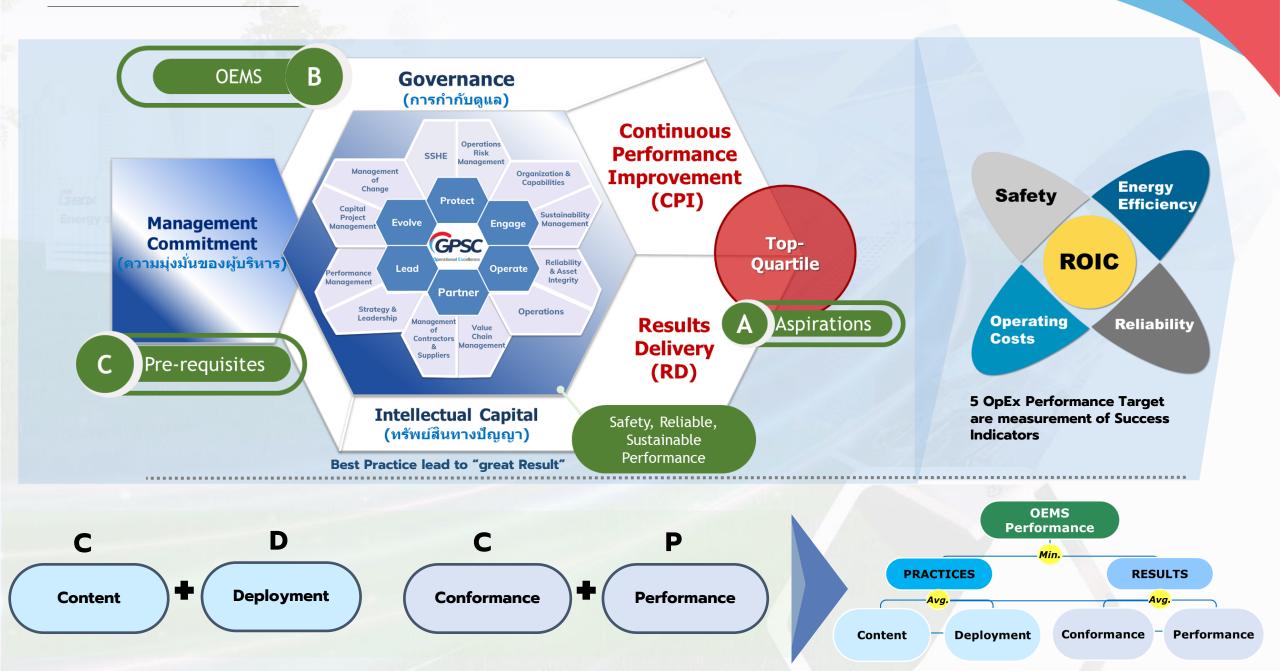
Operational Excellence Strategy | Best in Class Target by 2025 **Vision** The global leading innovative and sustainable power company To be top 3 power company in Southeast Asia with more than half of MW from green portfolio, **Aspiration** and with ultimate goals of achieving Carbon Neutrality by 2050 and Net Zero GHG Emissions by 2060 To be a PTT GROUP power and smart energy flagship that innovatively pursue operational excellence to create Mission value for stakeholders by delivering reliable products to customers with responsibility to the planet Embrace energy transition. Become a regional player by Retain existing customers Develop competitive Strategic sustainability and diversifying geographic and expand core offerings to advantages in core and new convergence trends to offer **Objectives** focus to tap into fast new customers businesses new solutions growing power markets **S1** Strengthen and expand Scale-up Green energy S-curve & Batteries Shift to Customer-**Strategic** the Core centric Solutions **Pillars** Best in class operations Solar power scale-up Energy storage systems Distributed generation Wind power entry - EV & Mobility batteries Customer-centric utility District cooling Expansion into adjacencies ESS-RE hybrid power entry **Energy Management** New S-Curves services **Thailand** India **Vietnam** Geography Taiwan **S1** Stakeholder Satisfaction <u>.</u> **Operational Best in Class by 2025** 6 Enablers **Financial** Technology & Agile & Resilient Reliability Profitability Sustainability Operational Safety Sustainability **Partnerships** discipline Digitalization **Organization Excellence** SAFETY Individual Plant Trip **■** Transmission ■ GPSC-Customer Asset Management Here We Safe Elimination System **Technical** - Integrity Culture Improvement Coordination Management Engineering Control & ■ Net Zero Redesign (single point Command Center failure and New Build) - Asset Optimization Water Demand-■ HV Maintenance Supply Management Procedure **Digitalization Operation Excellence Management System (OEMS)** COO Reorganization: Asset Management Focus / High Performance Organization

Operational Best in Class 2025 Pathway Key Targets by 2025 GPSC Group TRIR 0.3 2024 2023 2025 Actual 2022 (7 cases) 0.28 Target (5 cases) Best in Class (4 cases) 0.07 (2 cases) (2 cases) 0 2019 2021 2022 2023 2024 2025 2020 Average Number of Trip Per Machine Per Year Global Benchmarking & Actual Target **Practices** 0.85 0.69 0.52 0.85 Efficiency Uplift 2020 2021 2022 2023 2024 2025 **System Average Interruption Frequency Index** (SAIFI) at MTP Area 0.25 0.20 0.15 0.10 Standardization 0.06 2021 2022 2023 2024 Y2025

Operational Excellence Strategy | Best in Class Target by 2025



OEMS I Operational Excellence Architecture



OEMS I Operational Excellence Management System





Drive to Operation Excellence

To be Best in class in Operation (Power /Utility Business)

"OEMS" is Tools to Success!!

2020-2021

OEMS Re-boost

- Maturity Assessment :
 Gap Closing (Major Health
 Check-up)
- More Share More Benefits (New Initiative)
- OEMS Framework for all (Expansion)
- Operation process improvement with 5 OpEx KPIs (Set-up KPI Target & Roadmap)





2022-2023

Driving Executions

- Performance Benchmarking with power peer (5 OpEx KPIs)
- Continuous Performance Improvement (Productivity Improve, Efficiency Uplift)
- Standardization (Establish Content & Deployment)
- Pre-Maturity Assessment (2.7) (SME & Pre-Health Check-up)







2024-2025

To be Best in class

- Operation Performance Excellence Achievement in 5 OpEx KPIs Target (Top Quartile)
- 3rd Maturity Assessment (3.0) (Major Health Check-up)
- Strengthen in Operation
- Expand OEMS (New area & Subsidiary)







5 OpEx KPIs



5 OpEx Dimensions

- Safety
- Reliability
- Energy Efficiency
- Cash Cost
- ROIC



Unplanned Outage Factor (UOF) and Action Planned

GHECO1 UOF 2022

- **□** 68% from Material Defect
- □ 23% from Generator Breaker PM Delayed from COVID-19
- **□** 9% from Unusual Coal Specification

GE Phase5 UOF 2022

- □ 2020 Turbine Incident: Part Technical issue, replaced new part.
- **□** 2021 Generator Incident: Replaced new Generator.
- □ 2022 Cable Terminator Incident: Replaced new Terminators.

Action Planned

- ☐ GHECO1 has maintenance schedule during 15 Jan − 10 Mar 2023
- On process of Mid Life Assessment for High Temperature
 Boiler Component
- **□** Upgrade Submerged Drag Chain Conveyer (SDCC)

Action Planned

- ☐ Schedule shutdown in Jun 23 will conduct Mid Life
 Assessment.
- □ Phase 5 Reliability Improvement
 - •Announce of taskforce team for Phase5 Integrity uplift which will be completed study by Q2-2023.

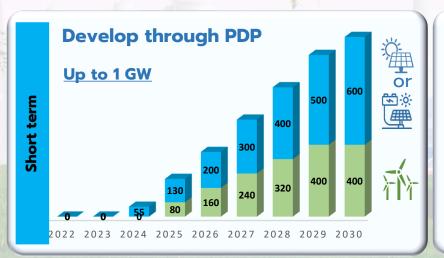
Agenda

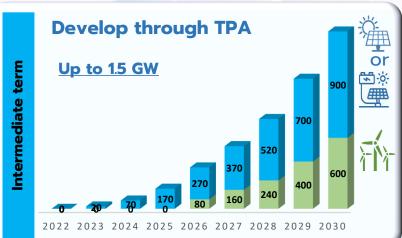
- 2022 in Review & Going forward
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Investments opportunities | Go Greener (Thailand)

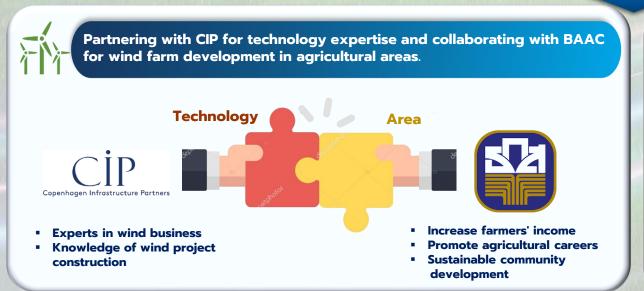
With our aspiration to have 50% of electricity generation from renewable energy, we are developing wind and solar projects in Thailand to support Thai's Power Development Plan (PDP) and prepare for the realization of Third-Party Access (TPA).





| Key ta | keaway fr | om current PD | P FiT bidding |
|--------|------------|---------------|----------------|
| C | Quota (GW) | Proposal (GW) | Exceed (times) |
| | 2.4 | 9.2 | >3X |
| ** | 1.0 | 2.1 | >2X |
| | 1.5 | 5.6 | >3X |

Key Success Factor





Partnering with credible landlord for solar development

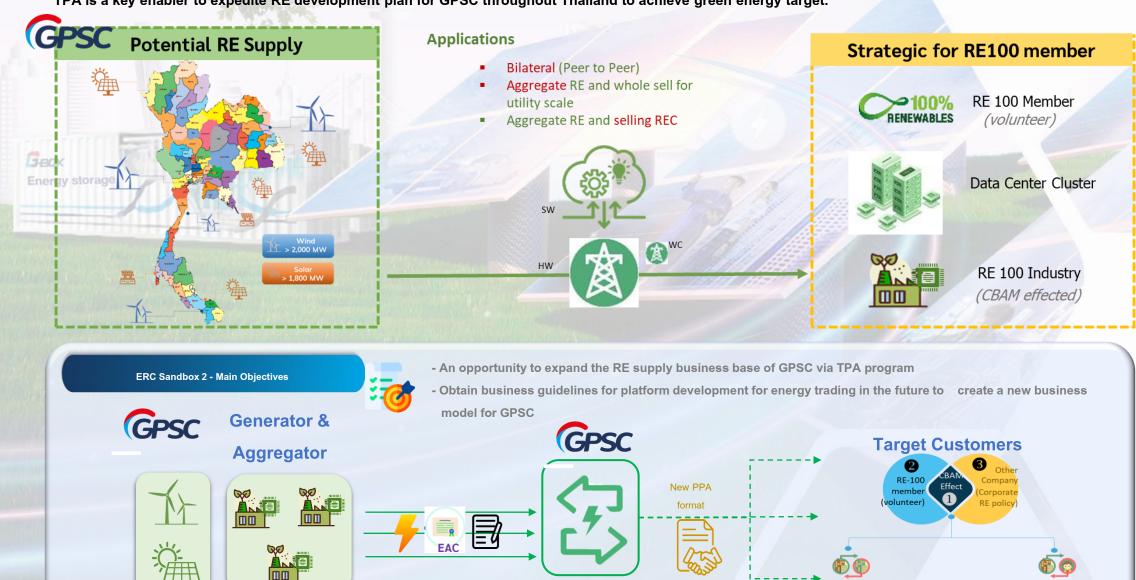
Landlord



- Carl Carl
- Land ownership for potential site
- Local relationship
- Sustainable project development

Investments opportunities | Go Greener (Thailand cont')

TPA is a key enabler to expedite RE development plan for GPSC throughout Thailand to achieve green energy target.



Trading Platform

Update of Projects Expansion capacity in 2023 - 2025

SPP Replacement Projects

Glow Energy Phase 2





Electricity (MW)

Steam (ton/hr.)

The project is fully commercial operation on Jan 19, 23.

Glow SPP2





| Projects | Electricity Capacity (MW) | Steam Production Capacity (t/h) | Contracted PPA with EGAT (MW) |
|-----------------------|---------------------------|------------------------------------|-------------------------------|
| GLOW SPP2 Replacement | | | |
| • Glow SPP2 | 98 | 230 | 60 (2 PPAs) |

The construction has reached 36.07% and the project is in the process of concrete foundation and equipment work on steam turbines, boilers and electrical control towers.

Update of Projects Expansion capacity in 2023 - 2025

Renewable Power Plants

CFXD: Offshore wind in Taiwan



The construction has reached 54.0%, the first power has started in November 2022. The project expected to start full commercial operation in Q1/2024.

Avaada Energy Private Limited (AEPL)





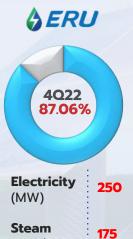
Contracted Capacity 4,634 MW

| Project | Electricity Capacity (MW) as of 13 Jul 21 | Electricity Capacity (MW) as of 31 Dec 22 | COD |
|--------------------|---|---|-------------|
| Operating | 1,392 (13 projects) | 3,842 (28 projects) | - |
| Under construction | 2,352 (8 projects) | 792 (7 projects) | 2023 – 2024 |
| Total | 3,744 | 4,634 | |

Update of Projects Expansion capacity in 2023 - 2025

Energy Recovery Unit (ERU)





(ton/hr.)

Project updates:

- > The project is in the process of the construction of foundation
- > Overall, the project has reached 87.06%.

Note: 1. The project has been affected by the COVID-19 pandemic and is expected to start commercial operation in 2025.

Axxiva





AXXIVA operates a battery manufacturing business in China at production capacity of 1 GWh per annum by 24M Technologies

Project updates:

- Main plant meets the equipment installation conditions
- Complete installation in 1H2023

Agenda

- 2022 in Review & Going forward
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Q4/2022 | Highlight

Key E

Key Events

- COD GE Phase2 Replacement:
 - : Contract-1 COD on 29 Nov 2022 and Contract-2 COD on 19 Jan 2023



- **GE Phase5 and Gheco1 Insurance Claim 408 MTHB** (Net Tax & NCI) : Phase5 356 MTHB, G1 52 MTHB
- + EP Gain from SRC and GIPP Operating with Diesel Oil 226 MTHB
- + Received Dividend Income from RPCL 75 MTHB
- + Full Quarter FT Adjustment





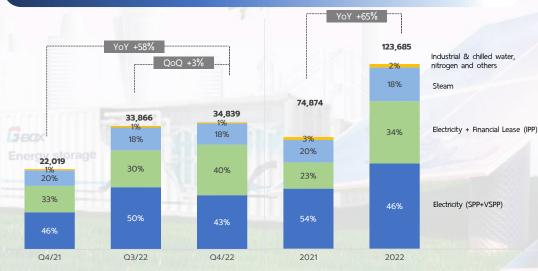
Lowlights

- Write off GE Phase2 Gas Turbine
- : Total amount 270 MTHB (Net Tax)
- Unplanned Outage at Phase5 and Gheco1

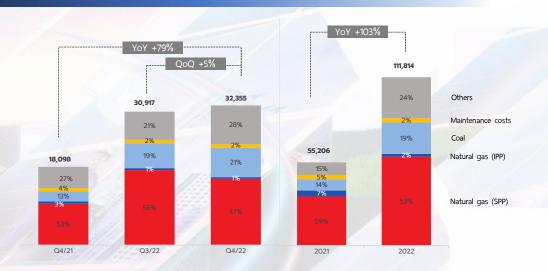
- Lower IU Demand due to customers' commercial shutdown
- Gheco1 Coal inventory adjustment

Comparison of Company's Performance

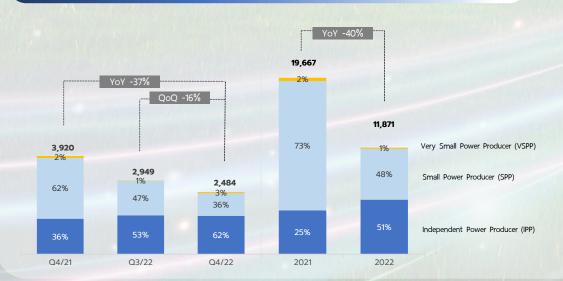




Cost of Sales (THB million, %)



Gross Profit Breakdown (THB million, %)



Significantly higher natural gas and coal price, resulting in lower margin in selling electricity to industrial customers throughout the year.

Q4/2022 vs Q3/2022 (QoQ) Net Profit



FY2022 vs FY2021 (YTD) Net Profit



- ▼ Energy Margin loss due to significant higher natural gas and coal price
- ▲ SRC & GIPP EP gain +1,833 MTHB from operating with diesel oil



1,107

Others

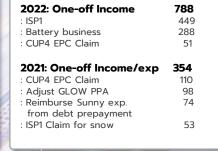
(38)

Unplanned

Outages

(Net Claim)







Share of Profit

and Dividend

Synergy



Write Off

GT Phase2

One -off



G1 Coal

Inventory Adj.

891

NI YTD

2022(A)

Q&A SESSION

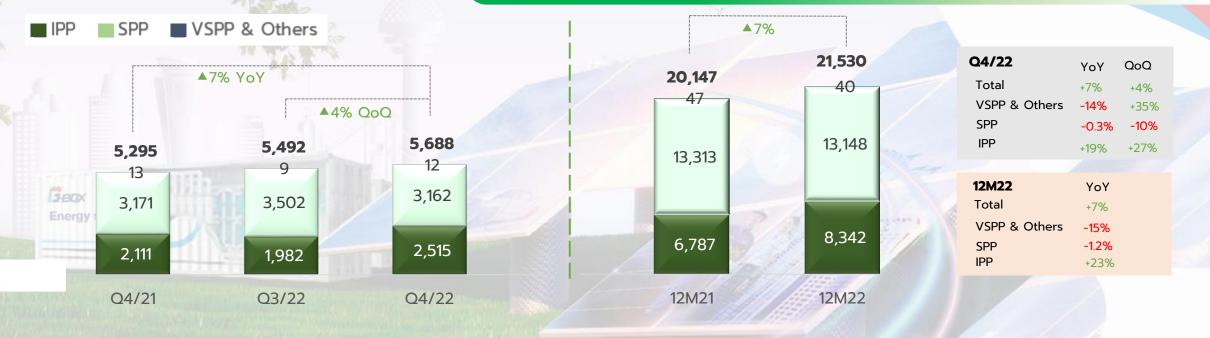
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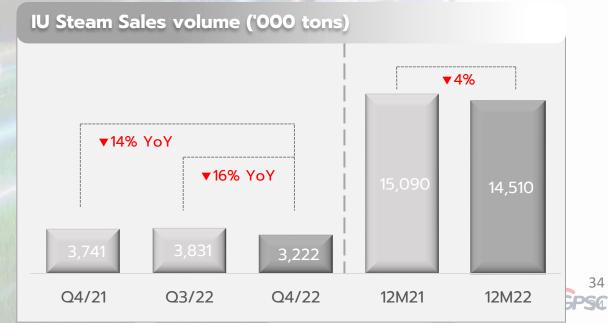


Appendix

Key Macro Factors (as of Dec 2022) Electricity Sales volume (GWh)







Key Macro Factors (as of Dec 2022)



| IPP's Availability | | Q4/21 | Q3/22 | Q4/22 | Change +/(-) | | 12M21 | 12M22 | Change +/(-) |
|-----------------------|-----------|-------|-------|-------|--------------|-----|-------|-------|-----------------|
| | Rate (%) | | | | YoY | QoQ | | | YoY |
| | Sriracha | 63% | 45% | 76% | 14% | 31% | 91% | 75% | (16%) |
| | GIPP | 93% | 96% | 96% | 3% | 1% | 92% | 97% | 5% |
| | GHECO-One | 96% | 78% | 87% | (9%) | 10% | 75% | 83% | 8% |

End-month FX (THB/USD)

| Q4 | Q4/21 | | /22 | Q4/22 | | | |
|--------|-------|--------|-------|--------|-------|--|--|
| Oct 21 | 33.35 | Jul 22 | 36.82 | Oct 22 | 38.19 | | |
| Nov 21 | 33.86 | Aug 22 | 36.50 | Nov 22 | 35.54 | | |
| Dec 21 | 33.59 | Sep 22 | 37.92 | Dec 22 | 34.73 | | |
| Avg. | 33.60 | | 37.08 | | 36.15 | | |

Natural Gas Cost 2020 - Q4/2022 (THB/MMBTU)

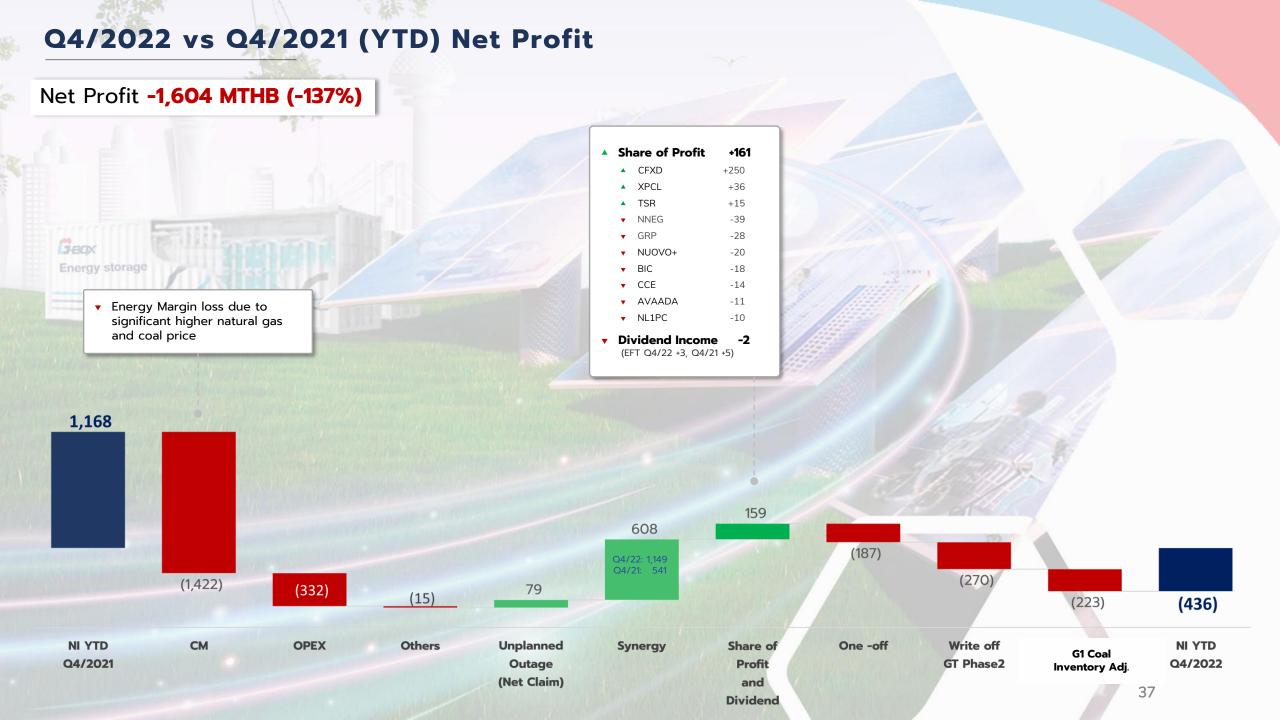


Coal Cost 2020 – Q4/2022 (USD/Ton JPU) (excluding freight costs)



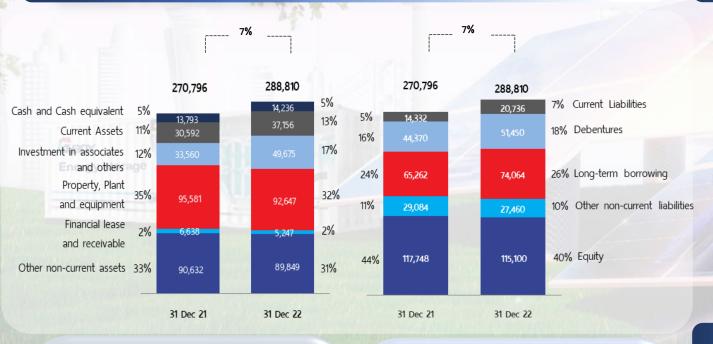
Q4/2022 Operating Results

| 30 THE | | | | | | | | | |
|---|----------|----------|----------|--------|--------|----------|-----------|------------------------|--|
| Overall operating results of the Company and its subsidiaries | Q4/21 | Q3/22 | Q4/22 | change | +/(-) | 12M/21 | 12M/22 | change +/(-) YoY | |
| (unit: THB million) | | | | YoY | QoQ | | | | |
| Operating revenue | 22,019 | 33,866 | 34,839 | 58% | 3% | 74,874 | 123,685 | 65% | |
| Cost of sales (excluding depreciation and amortization) | (18,098) | (30,917) | (32,355) | 79% | 5% | (55,206) | (111,814) | 103% | |
| Gross profit | 3,920 | 2,949 | 2,484 | (37%) | (16%) | 19,667 | 11,871 | (40%) | |
| Selling and administrative expenses | (582) | (401) | (641) | 10% | 60% | (1,963) | (1,868) | (5%) | |
| Other operating income | 5 | 6 | 6 | 10% | 0% | 20 | 23 | 14% | |
| EBITDA | 3,343 | 2,554 | 1,849 | (45%) | (28%) | 17,724 | 10,026 | (43%) | |
| Depreciation and amortization | (2,200) | (2,150) | (2,156) | (2%) | 0.3% | (8,630) | (8,600) | (0.4%) | |
| EBIT | 1,143 | 404 | (307) | (127%) | (176%) | 9,094 | 1,425 | (84%) | |
| Finance costs | (901) | (1,068) | (1,210) | 34% | 13% | (3,860) | (4,299) | 11% | |
| Other non-operating income and expenses | 1,063 | 205 | 420 | (61%) | 105% | 2,100 | 2,164 | 3% | |
| Dividend received and shares of profit of associates and joint ventures | 201 | 764 | 359 | 79% | (53%) | 1,792 | 1,731 | (3%) | |
| Income tax expenses | (97) | 158 | 238 | (345%) | 50% | (1,192) | 376 | (132%) | |
| Profit before FX and extraordinary items | 1,409 | 462 | (501) | (136%) | (208%) | 7,934 | 1,398 | (82%) | |
| Net foreign exchange gain (loss) | 68 | (61) | 372 | (448%) | 710% | (93) | 59 | (163%) | |
| Net profit | 1,477 | 401 | (128) | (109%) | (132%) | 7,840 | 1,457 | (81%) | |
| Non-controlling interests | (309) | (70) | (308) | (0.1%) | 342% | (522) | (566) | 8% | |
| Net profit for the Company | 1,168 | 331 | (436) | (137%) | (232%) | 7,319 | 891 | (88%) | |
| Adjusted Net Income ¹ | 1,571 | 784 | 21 | (99%) | (97%) | 8,907 | 2,780 | (69%) | |
| Gross profit margin (%) | 18% | 9% | 7% | (11%) | (2%) | 26% | 10% | (17%) | |
| Net profit margin (%) | 5% | 1% | -1% | (7%) | (2%) | 10% | 1% | (9%) | |
| Adjusted Net Income margin (%) | 7% | 2% | 0.1% | (7%) | (2%) | 12% | 2% | (10%) | |



Q4/2022 Operating Results

Summary of Financial Position



Total asset +18,014 MTHB

| Cash and cash equivalents | +443 |
|--|---------|
| Investment in associates and JV, mainly CFXD, and Nuovo Plus | +16,114 |
| Other current assets | +6,564 |
| • PPE | -2,934 |
| Financial lease and receivable | -1,391 |
| Other non-current assets | -783 |

Liabilities +20,662 MTHB

| Long-term borrowings and | |
|--|---------|
| debentures | +15,882 |
| Current liabilities | +6,404 |
| Other non-current liabilities | -1,625 |

| Equity -2,647 MTHB | |
|----------------------------|--------|
| NI for the period | +1,457 |
| Dividend payment | -3,524 |
| Other comprehensive income | -580 |

Total Interest-Bearing Debt (THB million)



CREDIT RATINGS

AA+



A+(tha) BBB-



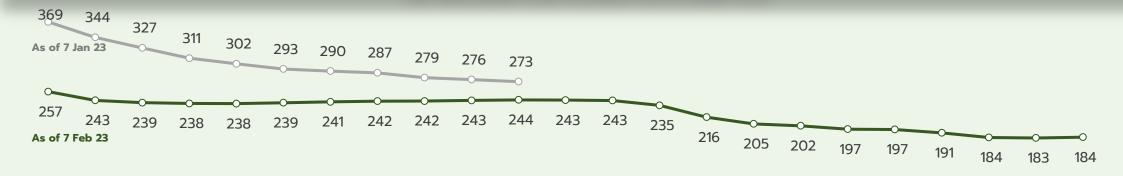
Energy Price Outlook (2023 - 2024): Fuel price will fall in 2023?





M2/23 M3/23 M4/23 M5/23 M6/23 M7/23 M8/23 M9/23 M10/23 M11/23 M12/23 M1/24 M2/24 M3/24 M4/24 M5/24 M6/24 M7/24 M8/24 M9/24 M10/24 M11/24 M12/24

ICE Newcastle Coal Forward Curve (USD/Ton)



M2/23 M3/23 M4/23 M5/23 M6/23 M7/23 M8/23 M9/23 M10/23 M11/23 M12/23 M1/24 M2/24 M3/24 M4/24 M5/24 M6/24 M7/24 M8/24 M9/24 M10/24 M11/24 M12/24

Award & Achievement

Sustainability Award

Bronze Class 2022

S&P Global

S&P Global Sustainability Award in Bronze Class, distinction for Electric Utilities industry in the S&P Global Sustainability Yearbook 2022



AA+(Stable)
Tris rating



GPSC receives the Sustainability Excellence Award from SET AWARDS 2022



Low Carbon and Sustainable Business Award 2022

GPSC | Power Plant Portfolio (1/2)

| Name | Туре | Shareholding (%) | Total capacity (MW) | Equity Power capacity (MW) | Equity Operating Power capacity (MW) | Steam (T/H) | Industrial water (Cu.m/H) | COD | Tenor |
|---------------------------------------|------|---------------------|------------------------|----------------------------------|--|----------------|---------------------------------|------|-----------|
| IPP | | | | | | | | | |
| Sriracha | IPP | GPSC (100%) | 700 | 700 | 700 | - | 80 | 2000 | 25 |
| Glow IPP | IPP | GLOW (95%) | 713 | 677 | 677 | - | - | 2003 | 25 |
| Huay Ho | IPP | GLOW (67%) | 152 | 102 | 102 | - | - | 1999 | 30 |
| GHECO-One | IPP | GLOW (65%) | 660 | 429 | 429 | - | - | 2012 | 25 |
| XPCL | IPP | GPSC (25%) | 1285 | 321 | 321 | - | - | 2019 | 29 |
| RPCL | IPP | GPSC (15%) | 1400 | 210 | 210 | - | - | 2008 | 25 |
| Total IPP | | | 4,910 | 2,439 | 2,439 | - | 80 | | |
| SPP | | | | | | | | | |
| CUP-1 | SPP | GPSC (100%) | 226 | 226 | 226 | 890 | 720 | 2006 | 10-15 |
| CUP-2 | SPP | GPSC (100%) | 113 | 113 | 113 | 170 | 510 | 2008 | 15 |
| CUP-3 | SPP | GPSC (100%) | - | - | - | 280 | 770 | 2009 | 15 |
| Rayong Expansion (CUP-3) | SPP | GPSC (100%) | 15 | 15 | 15 | - | - | 2019 | n/a |
| CUP-4 | SPP | GPSC (100%) | 49 | 49 | 49 | 140 | - | 2019 | Long-term |
| Glow Energy Phase 1 | SPP | GLOW (100%) | - | - | - | - | 1,340 | 1994 | - |
| Glow Energy Phase 2 + SPP replacement | SPP | GLOW (100%) | 270 | 270 | 270 | 666 | 1,180 | 2023 | 25 |
| Glow Energy Phase 4 | SPP | GLOW (100%) | 77 | 77 | 77 | 137 | 2,050 | 2005 | 25 |
| Glow Energy Phase 5 | SPP | GLOW (100%) | 328 | 328 | 328 | 160 | - | 2011 | 10-20 |
| Glow SPP 2/ GLOW SPP 3 | SPP | GLOW (100%) | 513 | 513 | 513 | 190 | 150 | 1999 | 25 |
| Glow SPP 11 Phase 1 | SPP | GLOW (100%) | 120 | 120 | 120 | - | 360 | 2000 | 25 |
| Glow SPP 11 Phase 3 | SPP | GLOW (100%) | 42 | 42 | 42 | - | - | 2006 | 10-20 |
| Glow SPP 11 Phase 2 | SPP | GLOW (100%) | 110 | 110 | 110 | - | 212 | 2012 | 25 |
| Glow Energy CFB 3 | SPP | GLOW (100%) | 85 | 85 | 85 | 79 | - | 2010 | 10-20 |
| IRPC-CP Phase 1 | SPP | GPSC (51%) | 45 | 23 | 23 | 86.7 | - | 2015 | 25-27 |
| IRPC-CP Phase 2 | SPP | GPSC (51%) | 195 | 99.4 | 99.4 | 66.3 | - | 2017 | 25 |
| IRPC-CP Phase 3 | SPP | GPSC (51%) | 70 | 35.7 | - | - | - | 2024 | - |
| NNEG | SPP | GPSC (30%) | 125 | 38 | 38 | 9 | - | 2016 | 25 |
| NNEG Expansion | SPP | GPSC (30%) | 60 | 18 | 18 | 3 | - | 2020 | 21 |
| NNEG Expansion 2 | SPP | GPSC (30%) | 30 | 9 | - | 1.59 | _ | 2024 | - |
| BIC-1 | SPP | GPSC (25%) | 117 | 29.25 | 29.25 | 5 | - | 2013 | 25 |
| BIC-2 | SPP | GPSC (25%) | 117 | 29.25 | 29.25 | 5 | - | 2017 | 25 |
| Total SPP | | , , | 2,707 | 2,230 | 2,085 | 2,889 | 7,292 | | |

GPSC | Power Plant Portfolio (2/2)

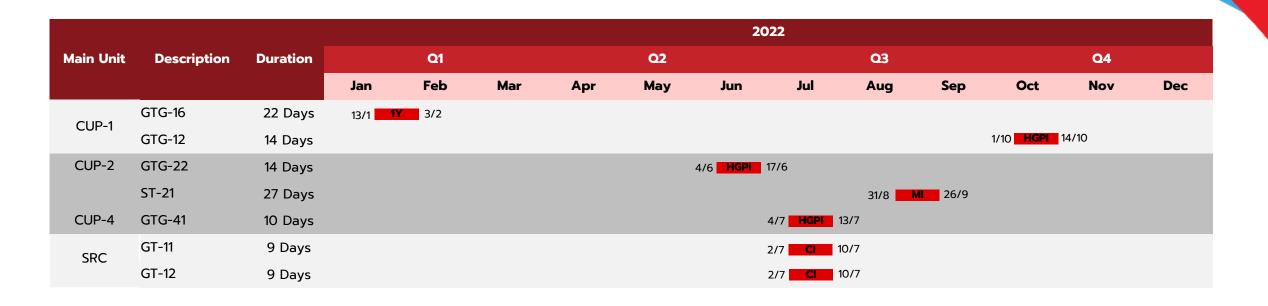
| Name | Туре | Shareholding (%) | Total capacity (MW) | Equity Power capacity (MW) | Equity Operating Power capacity (MW) | Steam (T/H) | Industrial water (Cu.m/H) | COD | Tenor |
|--|--------------------|---------------------|------------------------|----------------------------|--|----------------|---------------------------------|---------|-----------|
| VSPP and others | | | | | | | | | |
| Rayong Waste to Energy (WTE) | VSPP | GPSC (100%) | 9.8 | 9.8 | 9.8 | - | - | 2021 | 18 |
| Glow Energy Solar Plant | VSPP | GLOW (100%) | 1.55 | 1.55 | 1.55 | - | - | 2012 | 25 |
| CHPP | VSPP | GPSC (100%) | 5 | 5 | 5 | - | _ | 2008 | 30 |
| CHPP (Solar) | VSPP | GPSC (100%) | 5 | 5 | 5 | - | _ | 2016 | 25 |
| GRP (NPS, WXA, PPS) | VSPP | GPSC (50%) | 39.5 | 19.75 | 19.75 | - | - | 2014-15 | 25 |
| GRP1 (Sheng Yang) | Solar | GPSC (45%) | 55.8 | 25.11 | - | - | - | 2016-21 | 20 |
| AEPL (Solar Power Platform) | Solar | GPSC (43%) | 4,634 | 1,990 | 1,649 | | | 2018-24 | 10-25 |
| TSR (SSE1) | VSPP | GPSC (40%) | 80 | 32 | 32 | - | - | 2013 | 25 |
| NL1PC | Hydro | GPSC (40%) | 65 | 26 | 26 | - | - | 2019 | 24 |
| Chonburi Clean Energy (CCE) | VSPP | GLOW (33%) | 8.6 | 2.87 | 2.87 | - | - | 2019 | 20 |
| CFXD (Offshore wind farm) (Under closing process) | Wind | GPSC (25%) | 595 | 149 | - | - | - | 2022-24 | 20 |
| Private PPA | Solar | GPSC Gr. (100%) | 42.45 | 42.45 | 15.28 | | | 2018-24 | Long-term |
| Total VSPP and others | | | 5,542 | 2,307 | 1,792 | - | - | | |
| ERU | | | | | | | | | |
| ERU (Under construction) | Petroleum Pitch | GPSC (100%) | 250 | 250 | - | 175 | - | 2025 | 25 |
| | Total ERU | | 250 | 250 | - | 175 | - | | |
| Total capacity | | | 13,409 | 7,227 | 6,316 | 3,064 | 7,372 | | |

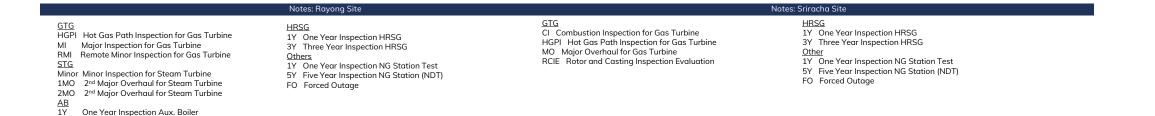
Note: - Total committed equity capacity as of December 31, 202/.

⁻ Equity capacity includes 100% stake in GLOW, CFXD, Private PPA and ERU

⁻ On January 18, 2022, GPSC has raised the equity injection amounting USD 25 million in AEPL and shareholding proportion was increased to 42.93%

2023 Maintenance Schedule | Sriracha and Rayong Plants





Three Year Inspection Aux. Boiler

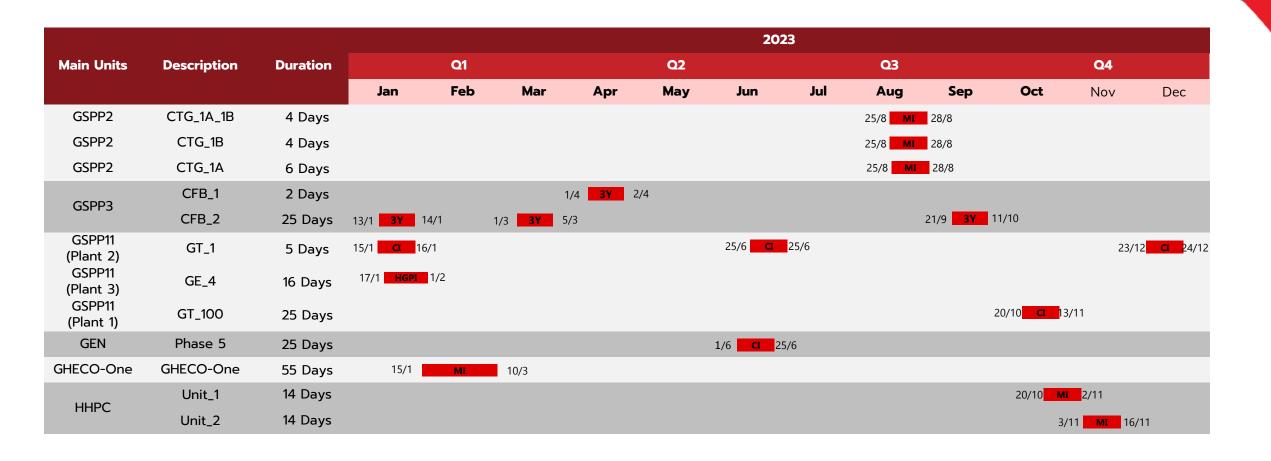
2023 Maintenance Schedule | IRPC-CP

| | | | | | | | | 202 | 23 | | | | | |
|-------------|-------------|----------|-----|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----|
| Main Unit | Description | Duration | | Q 1 | | | Q2 | | | Q3 | | | Q4 | |
| | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| Block 1 | | | | | | | | | | | | | | |
| CTG 21 | Α | 5 Days | | | | | | | | 5 | | | | |
| HRSG 21 | YI | 5 Days | | | | | | | | 5 | | | | |
| CTG 22 | Α | 5 Days | | | | | | | | 5 | | | | |
| HRSG 22 | YI | 5 Days | | | | | | | | 5 | | | | |
| STG 23 | YI | 5 Days | | | | | | | | 5 | | | | |
| Block 2 | | | | | | | | | | | | | | |
| CTG 31 | А | 5 Days | | | | | | | | | 5 | | | |
| HRSG 31 | YI | 5 Days | | | | | | | | | 5 | | | |
| CTG 32 | Α | 5 Days | | | | | | | | | | | | 5 |
| HRSG 32 | YI | 5 Days | | | | | | | | | | | | 5 |
| STG 33 | YI | 5 Days | | | | | | | | | | | | 5 |
| Aux. Boiler | YI | 7 Days | | | | | | 7 | | | | | | |

Notes:

- YI: Yearly Inspection, A: Inspection Level A
- The duration of maintenance above does not include inspection by law.

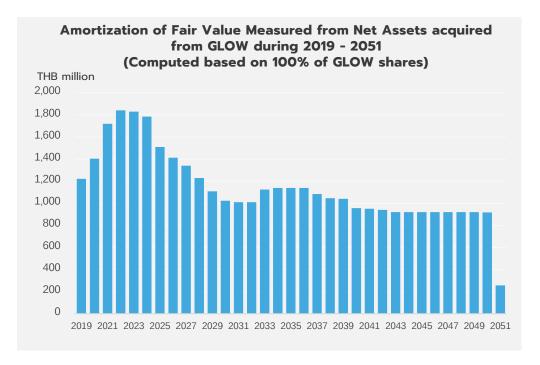
2023 Maintenance Schedule | GLOW's Main Units



Fair Value Measurement of Net Assets from Acquisition of Glow

unit: THB million

| | | and mb million | |
|---|-----------------------|-----------------------|-----------------------|
| Items | Book Value of GLOW | Fair Value of GLOW | Differential Value |
| Assets | 107,655 | 155,500 | 47,845 |
| Liabilities | (56,246) | (66,497) | (10,251) |
| Net Assets of GLOW at 14 March 2019 | 51,409 | 89,003 | 37,594 |
| Non-Controlling interests at 30.89% | | (32,092) | |
| Total Net Asset obtained GLOW at 69.11% | | 56,911 | |
| Goodwill | | 36,090 | |
| Proportion of acquisition cost 69.11% | | 93,001 | |



GPSC has completed the acquisition of 69.11% on 14 March 2019 at a total of THB 93,001 million, the company has measured the fair value of GLOW net assets as follows:

- The fair value uplift of THB 37,594 million from Purchase Price Allocation (PPA)
- The fair value recognition of net assets acquired from GLOW will be amortized yearly (based on the remaining period of the contract, 5 to 31 years).
- · Goodwill will be subjected to an impairment test on a yearly basis.



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