





2017 Highlights / 2018 Business Plan



Investment in Affiliates



Financial Performance



Jul-15

May-15

Sep-15

Nov-15

GPSC stock's performance

(May 15 – Mar 18)

STANDARD & Fitch Ratings

Mar-17

Jan-17

May-17

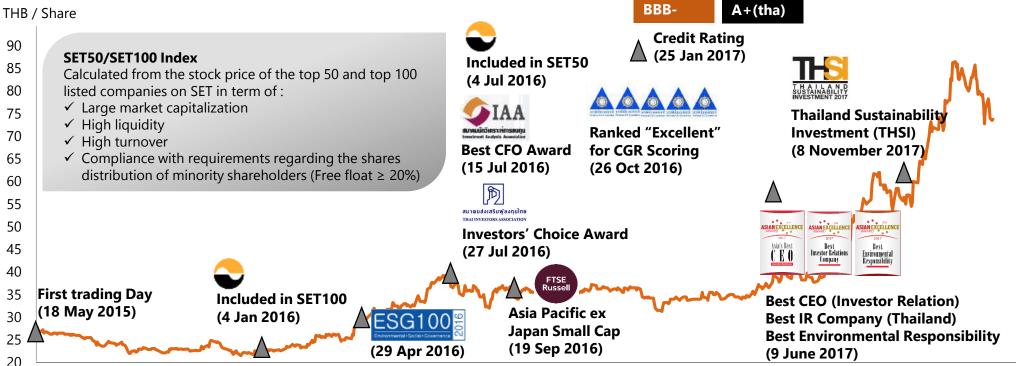
Jul-17

Sep-17

Nov-17

Jan-18

Mar-18



IPO in May 2015, GPSC has been growing business with continuously increased market capitalization.

May-16

Jul-16

Mar-16

• Starting from January 2016, where GPSC has been included in **SET100** and progressed to **SET50** in July 2016. Moreover, GPSC has been included in Global standard namely **FTSE Index** later in September 2016.

Nov-16

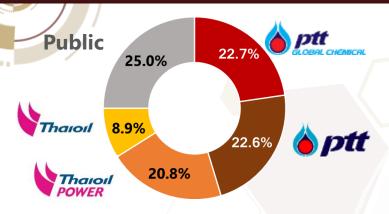
Sep-16

- GPSC has been shortlisted **in ESG100** with sustainable business awarded by Thaipat Institute. In 2H/2016, GPSC's CFO received **Best CFO Award** from Investment Analysts Association. The company also received **Investors' Choice Award** from Thai Investors Association; **ranked "Excellent" for CGR Scoring** by Thai Institute of Directors and received **Most Progress in IR Award** from IR Magazine.
- In December 2016, GPSC has been initially ranked BBB- rating by S&P's and A+(tha) by Fitch Ratings with Investment Grade and Stable Outlook.
- In June 2017, GPSC was granted **Best CEO (Investor Relations), Best IR Company (Thailand) and Best Environmental Responsibility** from Corporate Governance Asia. Recently in November 2017, GPSC has been included in **Thailand Sustainable Investment (THSI)** from the Stock Exchange of Thailand.
- These are the results of confidence on GPSC performance from all stakeholders.

Jan-16

GPSC Innovative Power Company at a Glance

GPSC's Shareholding Structure



Thai Oil Power is 73.99% held by Thai Oil and 24.01% by PTT As of 27 February 2017

Company Information

Head Office 555/2 Energy Complex Building

B, 5th Floor, Vibhvadi-Rangsit Road, Chatuchak, Bangkok

Business Type Energy & Utilities

Registered Capital THB 14,983 million

(Fully Paid)

Market Cap THB 110,874 million

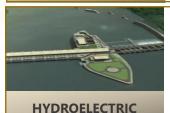
GPSC's committed capacity is 1,922 Equity MW Electricity and 1,582 T/H Steam in year 2019



Electricity 1,517 MW
Steam 1,582 T/H
Industrial Water 2,080 Cu.m./H
Chilled Water 12,000 RT



Electricity 58 MW



Electricity 347 MW



24M Technologies, Inc. (USA) Business Service Alliance Co.,Ltd.



(As of 28 February 2018)

Power Plant Definition and Revenue Structure

IPP

Independent Power Producer (IPP):

- A larger power producer who has electricity capacity more than 90 MW
- IPPs are obliged to sell their entire output to EGAT

SPP

Small Power Producer (SPP):

 A small power producer who sell their electricity no more than or equal to 90 MW to EGAT

SPP Type

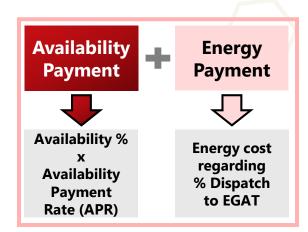
Firm : Contract Term > 5 Years
Non-Firm : Contract Term <= 5 Years

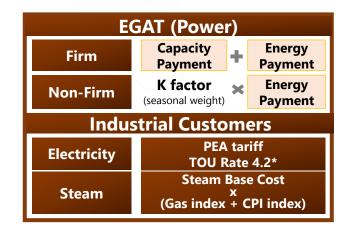
 SPPs can sell their electricity and steam to industrial customers located next to the SPP plant

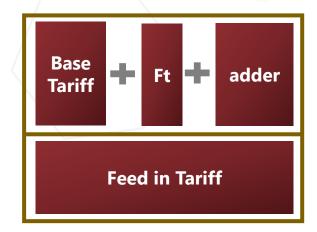
VSPP

Very Small Power Producer (VSPP):

- A very small generator whose power generating process is generated from renewable energy, specific fuels, and energy with no more than 10 MW of electricity capacity
- VSPPs are able to sell power to the Distribution Utility









Power Flagship of PTT Group with Solid Customers' Profiles

GPSC's major customers are EGAT and PTT group, whom are one of those with best credit profiles in the country.

Moreover, GPSC operated with long term off-take contracts.



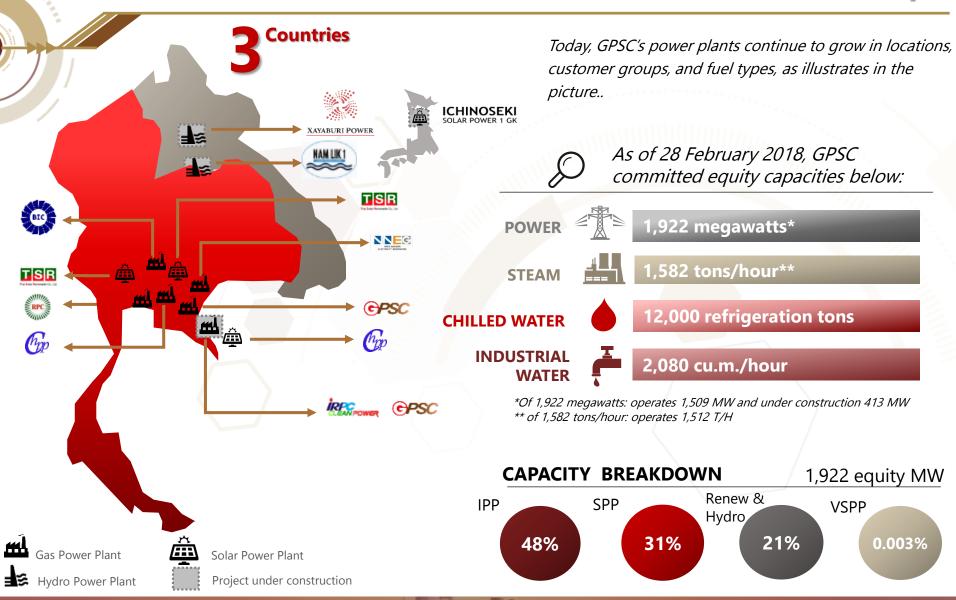
GPSC OPERATES WITH LONG TERM OFF TAKE CONTRACTS

- ✓ Guaranteed market and source of revenue
- ✓ Guarantee a minimum level of profit in regards to their investment
- ✓ Price adjustment formula, varying with raw-material price





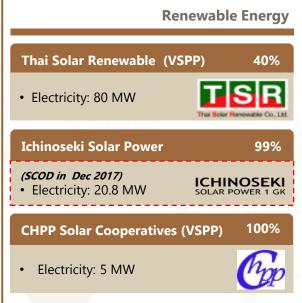
GPSC's Business Portfolio in Thailand, Lao PDR and Japan

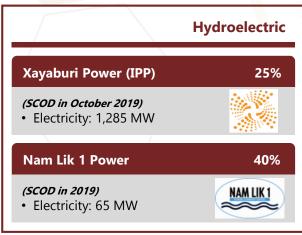




GPSC's Business Portfolio: 11 Affiliates in 4 Countries









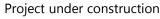
Business Service Alliance



24M Technologies

18% 24**m**





Project COD in 2017



Significant events in 2017



Investment

24m

Geared up the investment in 24M by cooperating with US firm's technology to produce and distribute Lithium-Ion batteries in ASEAN



Signed MOU with NNCL to develop the Solar Rooftop, Energy Storage System and Smart Grid project in Nava Nakorn industrial zone



Planned to build a pilot project of lithium-ion battery and to become system integrator by beginning with Nava Nakorn industrial estate and installation of solar rooftop to industrial users under PTT group and in Eastern Economic Corridor (EEC)



Operation

Bangpa-In Cogeneration Company Limited Phase 2 (BIC2) started COD and supplied electricity to EGAT with total capacity of 117 MW of electricity and 20 tons/hour of steam.

IRPC Clean Power Company Limited Phase2 (IRPC-CP) started COD and supplied electricity to EGAT with total capacity of 240 MW for electricity and 180-300 tons/hour of steam.

Ichinoseki Solar Power1 G.K. (ISP1) started COD and supplied electricity to Tohoku Electric Power Co,Inc with total of 20.8 MW at FiT of 40 JPY per KWh for term of 20 years.









Awards

Granted 3 awards from the 7th Asian Excellence Award 2017 for Asia's Best CEO Award, Best Investor Relations Company and Best Environmental Responsibility.

Selected to include in **Thailand Sustainability Investment (THSI)**among other 65 listed companies by SET.

Selected to include in **ESG100** from Thaipat Institute as a company who transparently and fairly discloses information to the public.







Financing

Final dividend payment from the second half of 2017 operating result for **0.80** Baht per share.

Annual dividend payment from 2017 operating results for 1.25 Baht per share.

First debentures issuance for **Baht 5,000 million** to institutional and major investors that resulted in the decrease in cost of fund of the company by 1%.



4Q 2017 Highlights

GROWTH Robust growth in pipeline with new growth opportunities

- ♦ IRPC-CP Phase 2 and Ichinoseki Solar Power (ISP1) in Japan started to COD in Q4/17 and supplied electricity to EGAT and Tohoku Electric Power Japan.
- GPSC signed contract agreement with NNCL in solar rooftop and smart grid development project in Nava Nakorn industrial zone.
- ♦ GPSC has planned to build a pilot project of lithium-ion battery to become **Energy Storage System Integrator**.

SUSTAINABILITY Selected to include in THSI 2017 by SET

- ♦ GPSC is selected to include in Thailand Sustainability Investment (THSI) by the Stock Exchange of Thailand (SET) in 2017.
- ♦ Responsibility towards the **environmental**, **social and governance**, **simultaneously with the creation of economic returns** to ensure sustainable growth and the efficiency in managing the supply chain risks.



GROWING PROFIT WITH SUSTAINABILITY AND CONTROL



PROFIT 72% Increase in Net profit YoY

- ♦ GPSC's Q4/17 net profit of THB 722 million increased by THB 303 million YoY thanks to the rise in Ft rate, and higher demand from customers at Rayong Plant, and the COD of IRPC-CP for both phases in Q4/17.
- ♦ **2017 net profit of THB 3,175 million** increased by THB 475 million or 18% resulted from the rise in sales volume at Rayong Plant and IRPC-CP. Also, higher share of profits from NNEG and BIC2.



CONTROL

- 3 Projects in progress meet milestone as planned
- ♦ Nam Lik1, Xayaburi and CUP4 which are under construction are expected to COD within 2019.
- ♦ All the projects are closely monitored to meet the milestones.



Strategic Growth: 3 Growth Engines between 2018-2022

Thailand as Priority

International Business

Future Energy







- Focus in MAPTAPHUT and EEC
- Be PTT Group's power supplier of choice
- Contribute to strategic priorities across the PTT group
- Increase new customers in Thailand

"Focus Countries"

Go into country where we can play multiple fuel to avoid risk.

- Myanmar and Laos
- Enhance country knowledge and relationship
- Strategic partners
- Conventional and renewable energies

- Forefront of innovation in energy sector
- Leverage IP technology license partnership
- Leverage existing investments, and PTT's asset base to deploy new technologies
- **EEC** as priority area
- Smart grids for smart cities

• Action Plan 2018-2019 •

PTT Group Power Flagship

- ✓ Target new customers from industrial customers under PTT Group
- ✓ Expand through PTT Group expansion
 - PTTGC: LLDPE2, PO/POL, MCC

Develop Power Plant Project

- ✓ Myanmar
 - Industrial users
 - Gas to power
- √ Laos
 - Hydro power plant

Energy Storage System Integrator

- ✓ First 100MWh battery pilot project targeted to COD within 2019
- ✓ Development of system integrator position



2018 Business Plan





Productivity improvement through OEMS implementation

MOVE



3M Strategy through Digitization

500 MW Target growth with green portfolio 30% of total capacity

Rayong CUP 1-3 Power Plant

- Productivity improvement initiatives to increase contribution margin of THB 100 million within Y2018
- Maximize Reliability 99.99%, Efficiency 65.1%, and Safety

Sriracha IPP Power Plant

 Prefer to operate with "Reserved shutdown scenarios" for best profitability

MANAGE



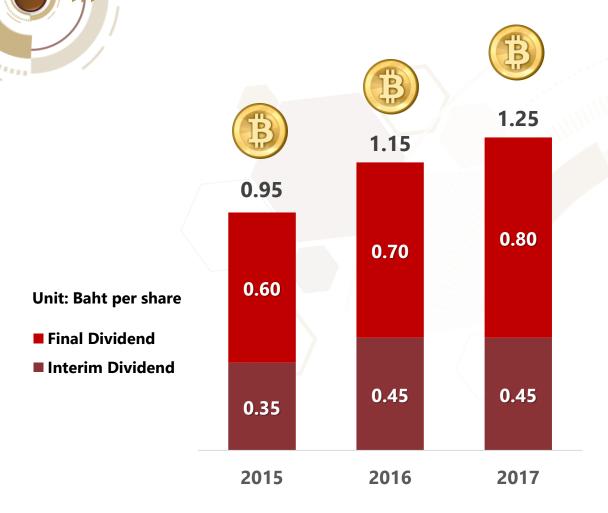
Asset management strategic framework 2018

- Set target for CHPP to install solar rooftop 10 MW for PTT Group
- Implement dashboard platforms (JVs & Subsidiary)
- **Ensure** that JVs & Subsidiary's performance on target
- Control 3 projects under construction to meet schedule; Nam Lik, XPCL and CUP-4

- Operate business to fulfill PTT Group's demand both domestic and international base on PTT Group's investment plan
- Be PTT Group Power Flagship to develop utility project to support **EEC and EECi** to be a hub of innovation and technology of Thailand
- Develop low cost battery manufacturing plant with standardized quality and environmentally friendly that is capable to compete with market.
- Develop ESS pilot project by collecting data from **solar rooftop and ESS** that will be used for further development
- Develop solar rooftop business in industrial estate, village, college etc.
- Develop power plant project in Laos and potential industrial estate in Myanmar



2017 dividend payout ratio is 59% of FY2017 net income



- On 12 February 2018, BOD passed a resolution for the payment of dividend for 2017 at Baht 1.25 per share which is higher than 2016 dividend, resulting from the better operating results.
- The dividend per share for 2H/17 is
 0.80 Baht
- The Record Date will be on 28 February 2018 for the right to receive the dividend.
- The dividend payment date will be on 20 April 2018 after obtaining approval from 2018 AGM.
- Dividend Policy:
 Minimum of 30% of net income
 according to a financial statement, after
 deductions of tax, reserve capital
 requirement (with additional conditions)





2017 Highlights / 2018 Business Plan



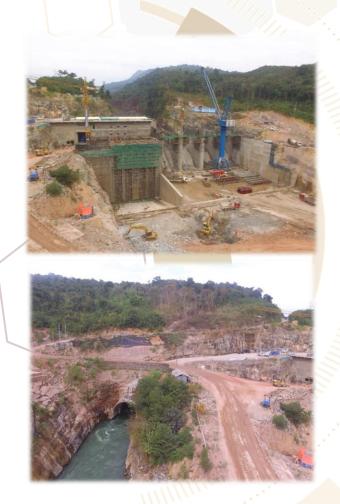
Investment in Affiliates



Financial Performance



Nam Lik 1 Power Company Limited (Lao PDR)



Type:

Run-of-River **Hydropower**

Electricity:

65 MW

SCOD:

Q1 2019

Equity Investment:

37 M USD

Progress YE2017:

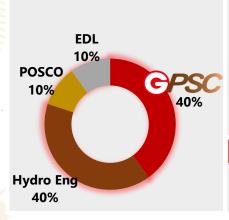
66%

D/E:

7:3

76%

Shareholding:



Progress Update:

Progress Q3/2017:

· Construction progress of the project as appraised by technical advisor was 76.0 %, more than the plan at 73.2 %. When comparing with the end of Q3/17 at 66 %, in which about 10% increased as the main activities including construction of power house, 115 kV transmission line and reservoir clearing were able to continue after wet season.

Customer:

• Electricity: EDL 63.8 MW (30 years PPA)





Xayaburi Power Company Limited (Xayaburi, Lao PDR)





Type:

SCOD

2019

Run-of-River Hydropower

Total Investment:

136,751 MB

PT

5%

Shareholding:

BEM

7.5%

EDL

20%

EGCO 12.5%

84%

CKP

30%

3:1

Progress Q3/2017:

Electricity:

1,285 MW

D/E:

Progress YE2017:

88%

Progress Update:

• Construction progress of the project continued as planned at 88.1% as appraised by the government of Lao PDR's technical advisor. Main construction tasks such as power house, intermediate block fish ladder and 500 kV transmission line are progressed as planned.

Customer:

- Electricity: EGAT 1,220 MW
- EDL 60 MW





PSC Map Ta Phut Expansion Project (Rayong)

Grow with PTT: Be PTT Group's Power in Petrochemical Complex



Type:

Cogeneration

COD:

2006-2009



Shareholding:



Capacity:

CUP-1

- Electricity: 226 MW
- Steam: 890 T/h
- Industrial water: 720 Cu.m/h

CUP-2

- Electricity: 113 MW
- Steam 170 T/h
- Industrial water: 510 Cu.m/h

CUP-3

- Steam: 280 T/h
- Industrial water: 770

Cu.m/h

Contract:

- CUP-1: 10-15 years
- CUP-2: 15 years ++
- CUP-3: 15 years ++

Customer:

- PTT Group
- Non-PTT Group industrial customers
- EGAT







Central Utility Plant 4 (CUP4)



Type:

Cogeneration

SCOD:

2019

Total Investment:

3,980 MB

Electricity:

45 MW

Progress Q3/2017:

17%

Steam:

70 T/h

Progress YE2017:

19%

Shareholding:



Progress Update:

- In order to increase system's reliability and stability, the project is now in the design process of connecting CUP-4 with CUP-3 existing operation system.
- Currently, some of customers have signed PPA while new customers is under negotiation process.
- At the end of 2017, Main EPC has been awarded. Detail engineering design and equipment specification approval are on progress.

Customer:

- PTT Group
- Non-PTT Group Industrial Customers
- EGAT







2017 Highlights / 2018 Business Plan



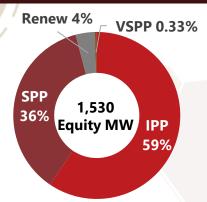
Investment in Affiliates



Financial Performance

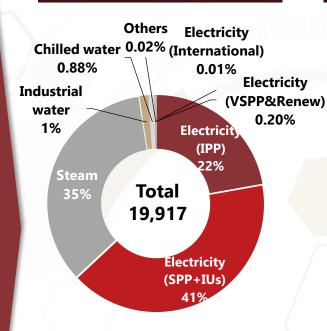
Majority of GPSC's revenue is from electricity, PTT Group is GPSC's major customer

ELECTRICITY CAPACITY BREAKDOWN (Unit: Equity Megawatt)

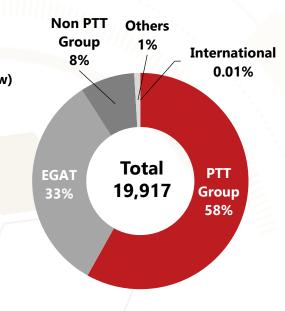


Name	Туре	GPSC's	Total capacity	Equity capacity	Steam	
		share %	(MW)	(MW)	(T/H)	
IN OPERATION						
Sriracha	IPP	100%	700	700	-	
CUP-1	SPP	100%	226	226	890	
CUP-2	SPP	100%	113	113	170	
CUP-3	SPP	100%	-		280	
CHPP	VSPP	100%	5	5	-	
IRPC-CP Phase 1	SPP	51%	45	23	86.7	
IRPC-CP Phase 2	SPP	51%	195	99.4	66.3	
CHPP (Solar)	VSPP	100%	5	5		
ISP1	Solar	99%	20.8	20.6	-	
Consolidate	e to Fina	ncial State	ment	1,192	1,493	
TSR	Renew	40%	80	32		
NNEG	SPP	30%	125	38	9	
BIC-1	SPP	25%	117	29.25	5	
BIC-2	SPP	25%	117	29.25	5	
RPCL	IPP	15%	1,400	210		
S	338	19				
	1,530	1,512				

2017 Revenue by product (THB Million)



2017 Revenue by customer (THB Million)



- Electricity and Steam are major sources of GPSC's revenue, accounted for 98% of total revenue.
- Accounted for more than 50% of total revenue, PTT Group is consistently the largest customer of GPSC in 2017.



IUs : Industrial Users

Q4/17 Revenue of THB 4,849 million, increased 14% QoQ

Quarterly revenue & pross profit margin

(THB Million, %)

Year-on-year

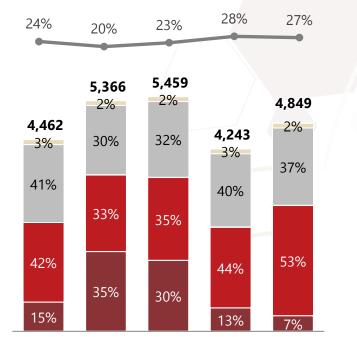
▲ Rev. +387 / 9% ▲ GPM +3%

Quarter-on-quarter

Rev. +606 / 14% GPM -1%

12 Months

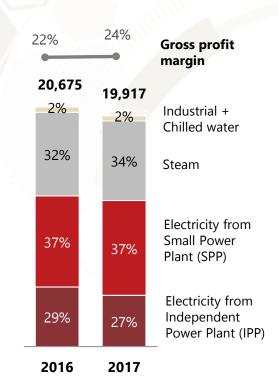
Rev. -758 / 4% GPM +2%



Q2/17

Q3/17

04/17



Q4/17 VS Q3/17 (QoQ)

Operating revenue in Q4/17 increased by THB 606 million or 14% due to higher demand from industrial customer also, the COD of IRPC-CP Phase 2 and the resume of Phase 1 in Q4/17.

Q4/17 VS Q4/16 (YoY)

Operating revenue in Q4/17 increased by THB 387 million or 9% due to higher demand from industrial customer also, the COD of IRPC-CP Phase 2.

2017 VS 2016 (12M)

Operating revenue in 2017 decreased by THB 758 million or 4% mainly due to the reserved shutdown of Sriracha Power Plant per EGAT's dispatch instruction.



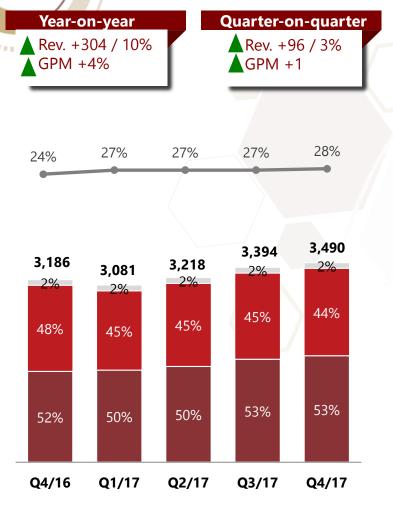
Q4/16

Q1/17

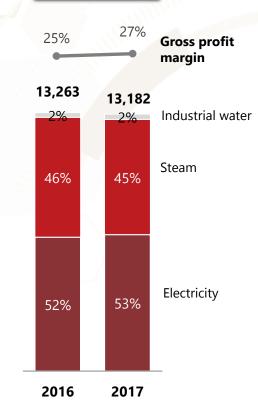
Rayong Power Plant (SPP): Revenue & GPM

Quarterly revenue & gross profit margin

(THB Million, %)







Q4/17 VS Q3/17 (QoQ)

Total revenue in Q4/17 increased by THB 96 million or 3% because major customer resumed its operation from maintenance shutdown in Q3/17, and higher electricity exported to EGAT.

Q4/17 VS Q4/16 (YoY)

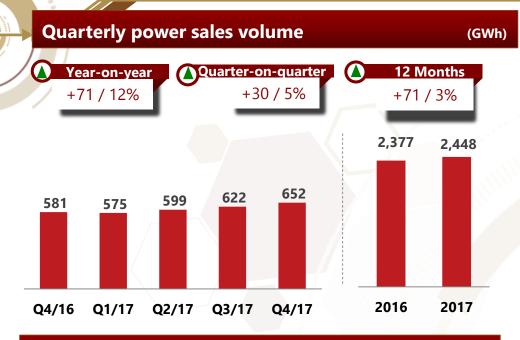
Total revenue in Q4/17 increased by THB 304 million or 10% due to higher average selling price followed the rising Ft.

2017 VS 2016 (12M)

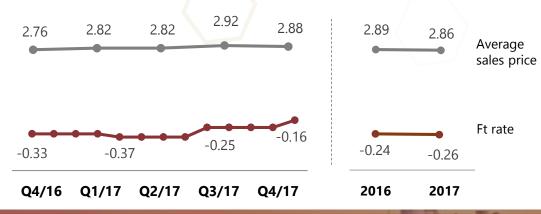
Total revenue in 2017 decreased by THB 81 million or 1% due to lower average selling price of electricity and steam also, many customers shutdown for maintenance in 2017.



Rayong Power Plant (SPP): Power



Quarterly average sales price & Ft rate (THB/kWh, THB)



Q4/17 VS Q3/17 (QoQ)

- **Volume** increased by 30 GWh or 5% due to higher demand from customer after recovery from shutdown in Q3/17 and higher volume of electricity exported to EGAT.
- **Price** decreased due to the sales of surplus steam from production process.

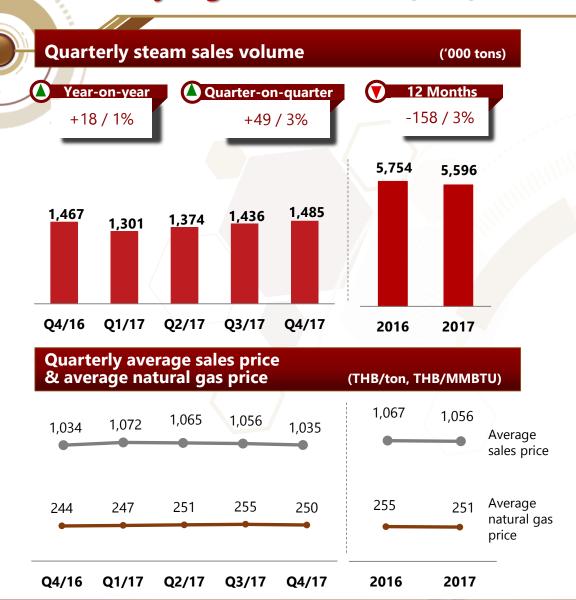
Q4/17 VS Q4/16 (YoY)

- **Volume** increased by 71 GWh or 12% from higher volume of exported electricity to EGAT resulted from higher steam production.
- **Price** increased by 0.12 Baht per kWh or 4% due to the increase in Ft rate.

- **Volume** increased by 71 GWh or 3% since there was Gas Turbine Generator shutdown in Q3/16.
- **Price** slightly decreased by 0.03 Baht per kWh or 1% followed lower average Ft when compare to 2016.



Rayong Power Plant (SPP): Steam



Q4/17 VS Q3/17 (QoQ)

- **Volume** increased by 49 thousand tons or 3% because major customer resumed its operation from maintenance shutdown in Q3/17.
- **Price** decreased by 21 Baht per ton or 2% followed the decrease in natural gas price

Q4/17 VS Q4/16 (YoY)

- **Volume** increased by 18 thousand tons or 1% since there was no major customer shutdown in Q4/17.
- **Price** increased in line with natural gas price.

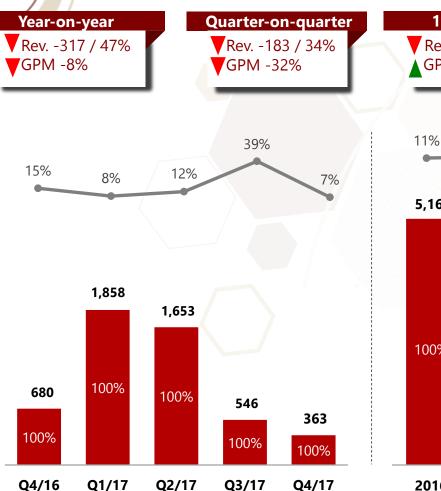
- **Volume** decreased by 158 thousand tons or 3% due to planned maintenance shutdown of customers.
- **Price** decreased by 11 Baht per ton or 1% followed the decline in natural gas price.



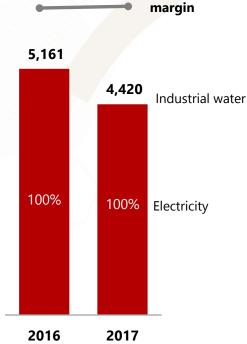
Sriracha Power Plant: Revenue & GPM

Quarterly revenue & gross profit margin

(THB Million, %)







Gross profit

Q4/17 VS Q3/17 (QoQ)

Total revenue in Q4/17 decreased by THB 183 million or 34% due to the decrease in Availability Payment (AP) followed the completeness of Contract Availability Hour (CAH) and also, maintenance shutdown for Combustion Inspection (CI).

Q4/17 VS Q4/16 (YoY)

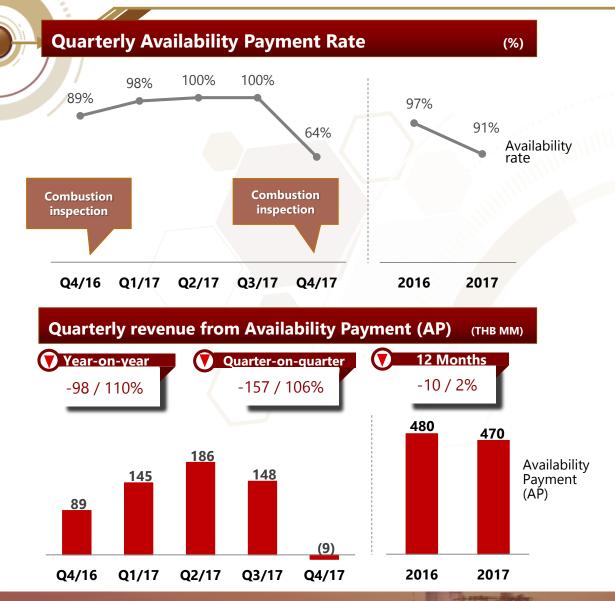
Total revenue in Q4/17 decreased by THB 317 million or 47% due to lower sales volume from reserved shutdown per EGAT's dispatch instruction and maintenance shutdown for CI which longer than in Q4/16.

2017 VS 2016 (12M)

Total revenue in 2017 decreased by THB 741 million or 14% due to lower sales volume from reserved shutdown and maintenance shutdown for CI that was longer than in 2016.



Sriracha Power Plant (IPP): Power



Q4/17 VS Q3/17 (QoQ)

- Availability rate in Q4/17 dropped to 64% due to maintenance shutdown for combustion inspection (CI).
- Revenue from Availability Payment (AP) decreased by THB 157 million or 106% due to the complete of Contract Availability Hour (CAH) together with maintenance shutdown.

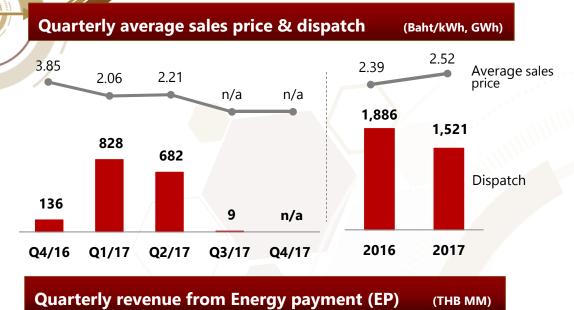
Q4/17 VS Q4/16 (YoY)

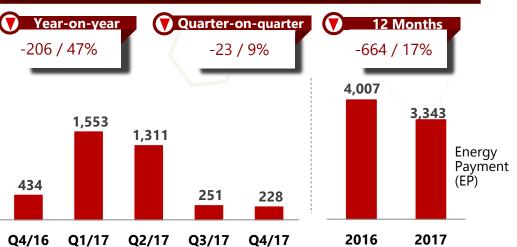
- Availability rate in Q4/17 was lower than in Q4/16 due to longer period of maintenance shutdown for CI than in Q4/16.
- Revenue from Availability Payment in Q4/17 decreased by THB 98 million or 110% due to the complete of CAH together with longer period of CI.

- Availability rate in 2017 was lower than 2016 due to the longer period of CI.
- Revenue from Availability Payment in 2017 decreased by THB 10 million or 2% due to the complete of CAH together with longer period of CI.



Sriracha Power Plant (IPP): Power





Q4/17 VS Q3/17 (QoQ)

- Dispatch volume decreased by 9 GWh or 100% due to reserved shutdown per EGAT's dispatch instruction.
- Revenue from Energy Payment (EP) decreased by THB 23 million or 9% due to the decrease in dispatch volume.

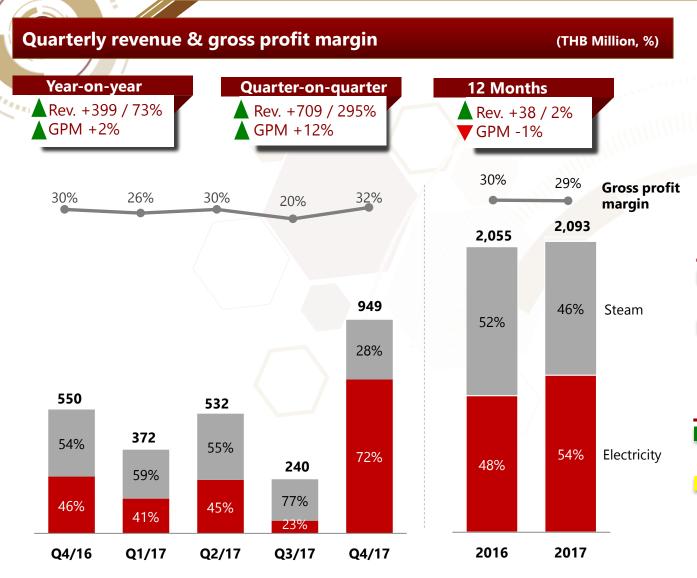
Q4/17 VS Q4/16 (YoY)

- Dispatch volume decreased by 136 GWh or 100% due to reserved shutdown as per EGAT's dispatch instruction.
- As a result, revenue from Energy Payment (EP) decreased by THB 206 million or 47%.

- Dispatch volume decreased by 365 GWh or 19% resulted from reserved shutdown.
- Revenue from Energy Payment (EP) also decreased by THB 664 million or 17% followed dispatch volume.



IRPC-CP Power Plant (SPP): Revenue & GPM (1/3)



Q4/17 VS Q3/17 (QoQ)

- **Total revenue** in Q4/17 increased by THB 709 million or 295% due to the commercialization (COD) of IRPC-CP Phase 2 and the resume of Phase 1 in Q4/17.
- **GPM** increased due to the COD of Phase 2 and the resume of Phase 1 after a shutdown for commissioning test in Q3/17.

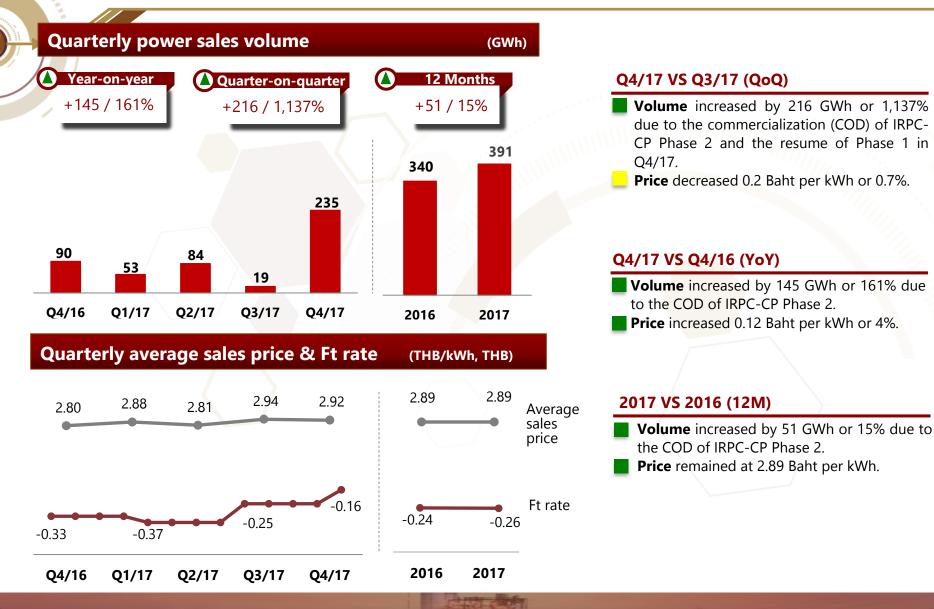
Q4/17 VS Q4/16 (YoY)

- **Total revenue** in Q4/17 increased by THB 399 million or 73% due to the COD of IRPC-CP Phase 2.
- **GPM** increased due to the COD of Phase 2 resulted in higher volume of electricity exported to EGAT.

- **Total revenue** in 2017 increased by THB 38 million or 2% due to the COD of IRPC-CP Phase 2.
- **GPM** dropped slightly by 1% due to higher maintenance cost according to maintenance schedule.

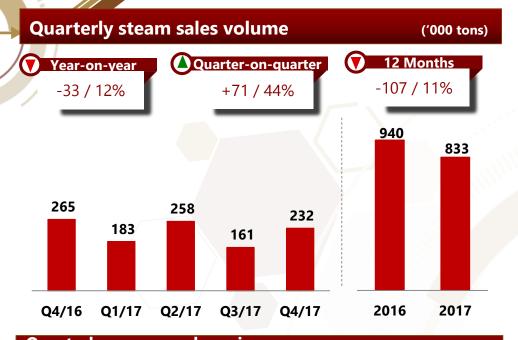


IRPC-CP Power Plant (SPP): Power (2/3)





IRPC-CP Power Plant (SPP): Steam (3/3)





Q4/17

2016

2017

Q4/17 VS Q3/17 (QoQ)

- **Volume** increased 71 thousand tons or 44% due to the COD of Phase 2 therefore, the power plant can produce steam from both Cogeneration and Auxiliary boiler.
- **Price** decreased by 3 Baht per ton or 0.3% due to lower natural gas price.

Q4/17 VS Q4/16 (YoY)

- **Volume** decreased by 33 thousand tons or 12% due to the shutdown for commissioning between Phase 182.
- **Price** increased by 18 Baht per ton or 2%.

2017 VS 2016 (12M)

- **Volume** decreased by 107 thousand tons or 11% due to customer shutdown for maintenance in Q1/17 and the shutdown for commissioning between Phase 1&2.
- Price increased by 16 Baht per ton or 1%.



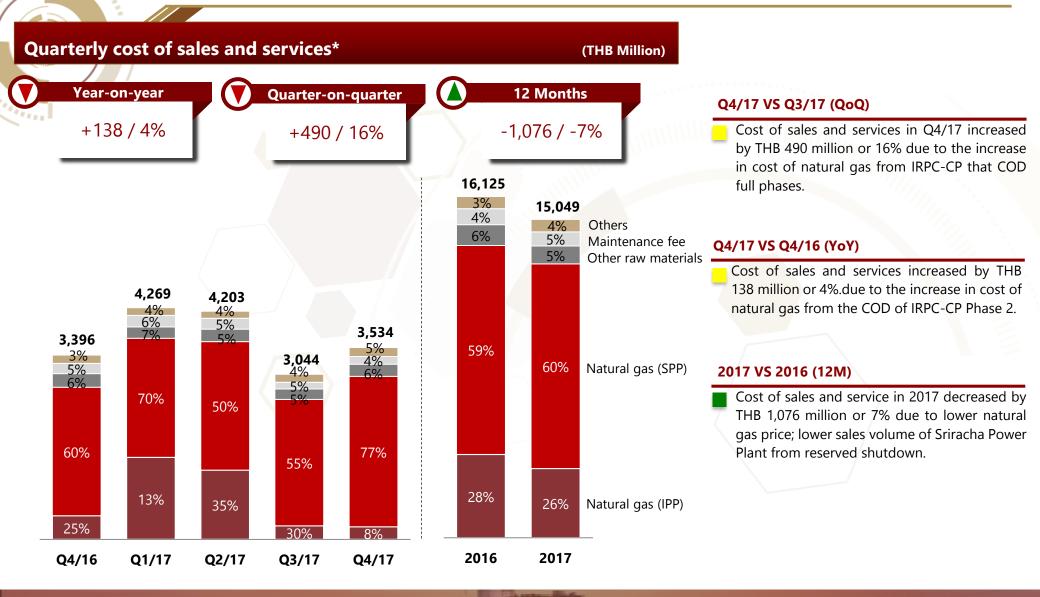
Q4/16

Q1/17

Q2/17

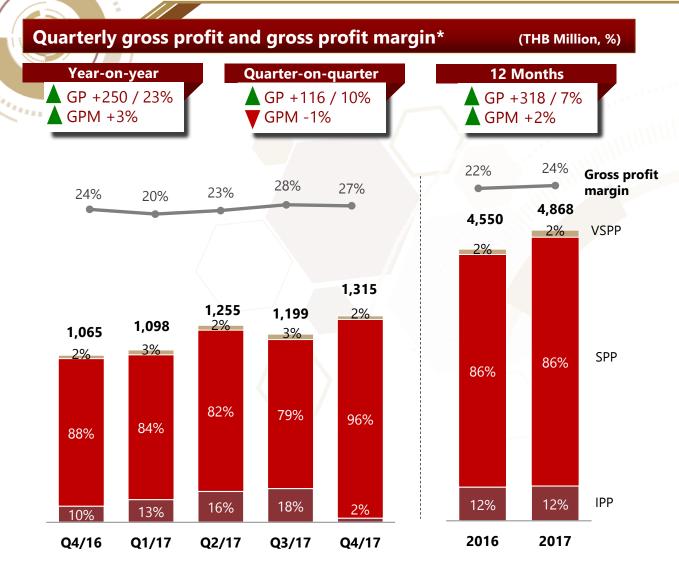
Q3/17

Decrease in cost of sales and services 12M mainly from reserved shutdown and customer shutdown





SPP is GPSC's main and prospering profit generator



Q4/17 VS Q3/17 (QoQ)

- Gross profit in Q4/17 was THB 1,315 million increased by THB 116 million or 10% mainly due to the COD of IRPC-CP full phases and higher sales volume at Rayong Plant.
- **Gross profit margin** slightly decreased by 1% due to higher maintenance cost of Sriracha Power Plant during CI.

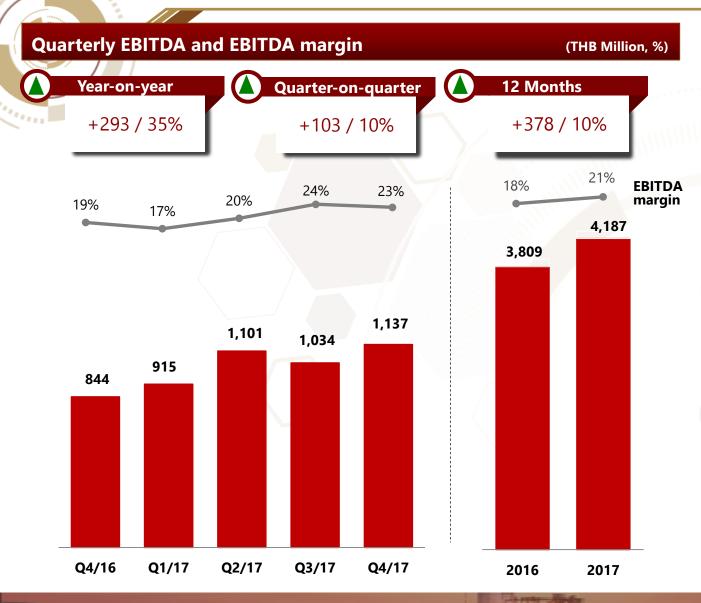
Q4/17 VS Q4/16 (YoY)

- **Gross profit** increased by THB 250 million or 23% mainly due to the COD of IRPC-CP Phase 2 and higher sales volume at Rayong Plant.
- Gross profit margin also increased by 3%.

- Gross profit in 2017 was THB 4,868 million increased by THB 318 million or 7% due to lower natural gas price and lower maintenance cost.
- Gross profit margin also increased by 2%



EBITDA increased by 10% QoQ



Q4/17 VS Q3/17 (QoQ)

EBITDA in Q4/17 was THB 1,137 million increased by THB 103 million or 10% mainly due to the rise in sales volume from Rayong Plant and IRPC-CP that COD full phases together with higher Ft.

Q4/17 VS Q4/16 (YoY)

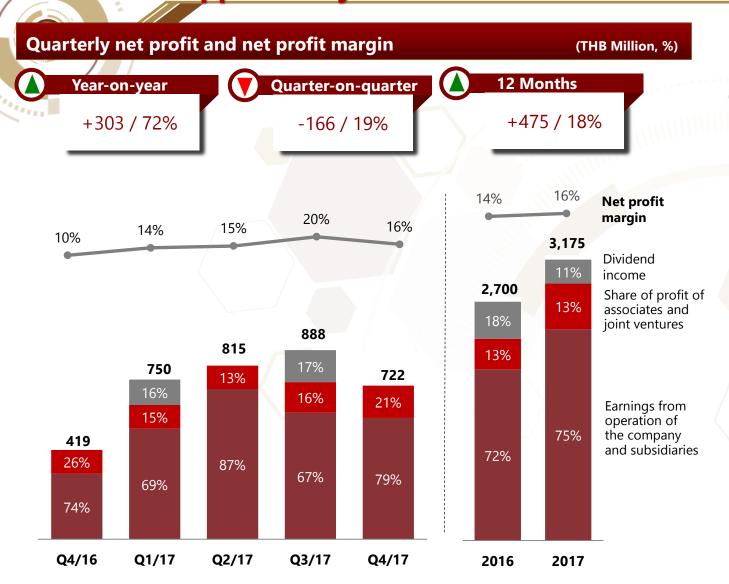
EBITDA increased by THB 293 million or 35% due to the rise in sales volume together with higher Ft.

2017 VS 2016 (12M)

EBITDA in 2017 was THB 4,187 million increased by THB 378 million or 10% due to the rise in sales volume, lower natural gas price and, lower SG&A.



Net profit grew 72% YoY from strong operating earnings and supported by return from investments



Q4/17 VS Q4/17 (QoQ)

Net profit decreased by THB 166 million or 19% resulted mainly from the dividend income from Ratchaburi Power Company Limited (RPCL) of THB 150 million and income from IRPC-CP Phase 1's contractor of THB 66 million that the company received in Q3/17.

Q4/17 VS Q4/16 (YoY)

Net profit increased by THB 303 million or 72% resulted from the rise in sales volume at Rayong Plant together with higher Ft rate, and the COD of IRPC-CP full phases in Q4/17.

2017 VS 2016 (12M)

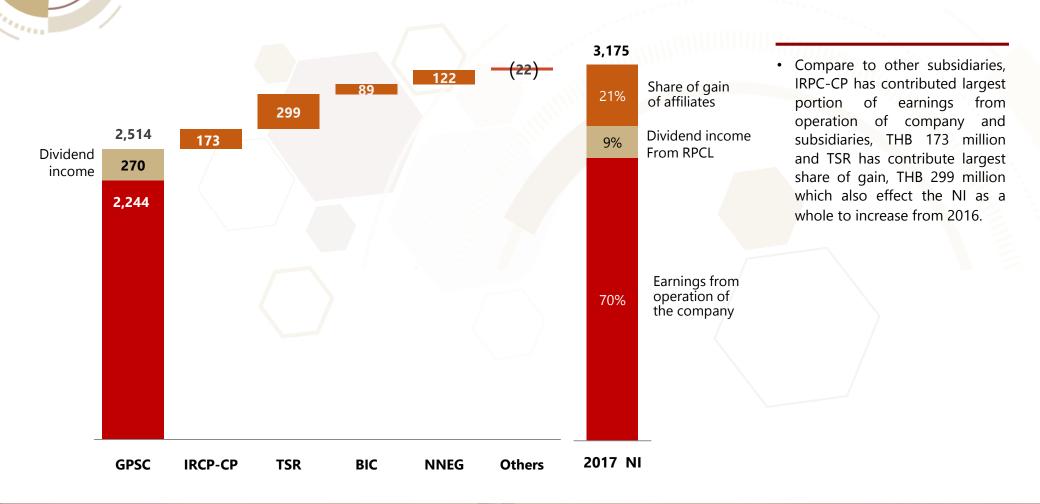
Net profit increased by THB 475 million or 18% due to the rise in sales volume at Rayong Plant and IRPC-CP with lower natural gas price. Also, supported by higher share of profits from NNEG (COD Q3/16) and BIC2 (COD Q3/17).



IRPC-CP has contributed largest portion of Earning from operation of the company and subsidiaries in 2017

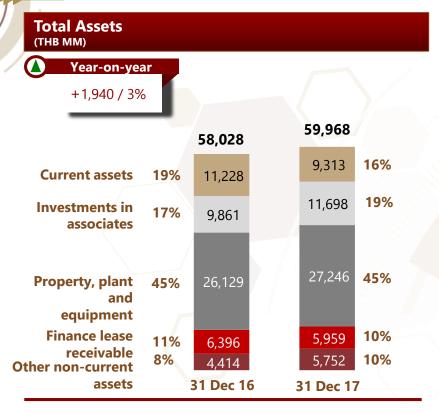
Net profit breakdown by subsidiaries

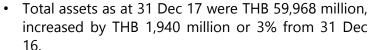
(THB Million)



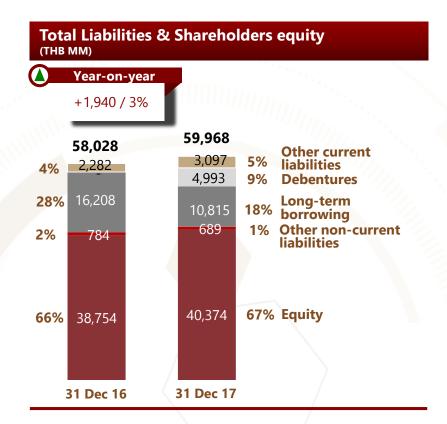


Summary of financial position of GPSC and its subsidiaries





 The increase was mainly from the increase in investments due to the capital raising of XPCL and BIC as well as PPE of IRPC-CP and ISP1



- Total liabilities were THB 19,594 million increased by THB 320 million or 2% mainly from account payable from construction for IRPC-CP and CUP-4.
- Equity were THB 40,374 million increased by THB 1,620 million or 4% mainly from an increase in the unappropriated retained earnings.



Well-managed debt profile and continuous deleveraging

Debt profile

Total interest-bearing debt: THB 15,808 million

Debt repayment plan

Current portion THB 991 MM



- All debt balance as at 31 December 2017 is in THB and JPY currency.
- The interest-bearing debt is comprised of long-term loan and debentures which includes 6% of current portion.

 Non-current portion of interest-bearing debt equals to THB 14,817 million while current portion equals to THB 991 million.

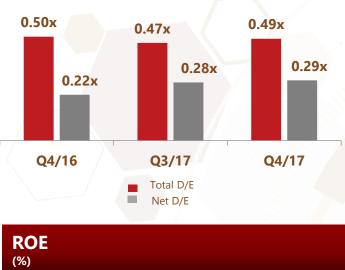
% of total interest-bearing debt

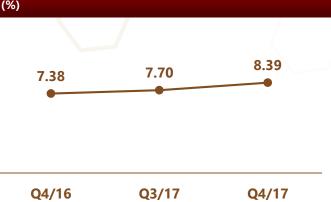
· 44% of total interest-bearing debt will be repaid between 2019 - 2022.



Key financial ratios support GPSC's strong financial position



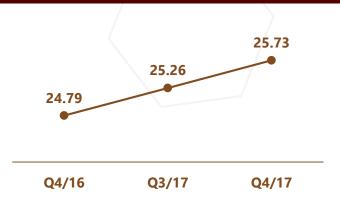




Earning per share (EPS) (Baht/share)



Book value per share (BVPS) (Baht/share)







THANK YOU

Sukittee Chaiyarak Pimploy Wichienprakarn Janthakarn Chanhorm **Chayanant Seneenant**

ir@gpscgroup.com Tel. +662 140 4628

+662 140 4691

+662 140 5318

Disclaimer

555/2 Energy Complex, Building B

Vibhavadi Rangsit Rd. Chatuchak, Bangkok 10900

Global Power Synergy Public Company Limited

The information contained here is being furnish on a confidential basis for discussion purposes only and only for the use of the recipient, and may be subject to completion or amendment through the delivery of additional documentation. Except as otherwise provided herein, this document does not constitute an offer to sell or purchase any security of engage in any transaction. The information contained herein has been obtained from sources that Global Power Synergy Public Company Limited ("GPSC") considers to be reliable; however, GPSC makes no representation as to, and accepts no responsibility or liability for, the accuracy or completeness of the information contained herein. Any projections, valuations and statistical analyses contained herein have been provided to assist the recipient in the evaluation of the matters described herein; such projections, valuations and analyses may be based on subjective assessments and assumptions and may utilize one among alternative methodologies that produce differing results; accordingly, such projections, valuations and statistical analyses are not to be viewed as facts and should not be relied upon as an accurate representation of future events. The recipient should make an independent evaluation and judgement with respect to the matters contained herein.

+662 140 4715 www.qpscgroup.com



Ratios	Formula				
C	Gross profit				
Gross profit margin	Revenue from sales of goods and service + Revenue from finance lease				
	Net profit				
Net profit margin	Total Revenue				
Total Debt to Equity	Total liabilities				
	Total shareholder's equity				
Net debt to Equity ratio	Interest bearing debts – (Cash and cash equivalents + Restricted cash + Current investments)				
	Total shareholder's equity				
DSCR	EBITDA for DSCR for the last 12 months				
	Principal and Interest to be paid in the next 12 months				
	Net profit for the company				
Earning per share (EPS)	Weighted average number of shares				
205	Net profit for the company				
ROE	Average shareholder's equity				
ROA	Net profit (last 12 months)				
	Average assets				
Book value per share (BVPS)	Shareholder's equity for the company				
	Average shareholder's equity for the company				

2018 Maintenance schedule: Sriracha and Rayong plants

			Description	2018											
	Plant	Tag no.		Q1		Q2		Q3			Q4				
				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	CUP-1	H-13701	Aux. Boiler.11		16 1Y 26										
		N-13901 H-13702	GTG11 HRSG11			5 1Y 16									
		N-13902 H-13703	GTG12 HRSG12				7 1Y 17								
		N-13903 H-13704	GTG13 HRSG13							7 HG 20 7 3Y 20					
		N-13904 H-13705	GTG14 HRSG14		3 1Y 13										
		N-13961 H-13761	GTG15 HRSG15										16 1Y 26		
		N-13962 H-13762	GTG16 HRSG16	21 1Y 31											
	CUP-2	H-23701	Aux. Boiler.21							1 1Y 11					
		N-23901 H-23701	GTG21 HRSG21			1 HG 14 1 3Y 14									
		N-23902 H-23702	GTG22 HRSG22						10 1Y 20)					
		N-23911	Steam Turbine21												
	CUP-3	H-33701	Aux. Boiler 31								4 1Y 14				
		H-33711	Aux. Boiler 32										4 1Y 24		
		H-33712	Aux. Boiler 33									26/9	6/10		
	SRC	11MB 1-211-SG-101	GT11 HRSG#1						3Y					МО	
		12MB 1-211-SG-201	GT12 HRSG#2						3Y					MO	
		STG	Steam Turbine 10											МО	
Notes Boson Site						N	lotes Sriracha	Site							

Notes Rayong Site

HGPI Hot Gas Path Inspection for Gas Turbine Major Inspection for Gas Turbine

14 days 22 days

Three Year Inspection Aux. Boiler

1Y One Year Inspection HRSG 3Y Three Year Inspection HRSG

FO Forced Outage

1Y One Year Inspection NG Station Test

14 days Online 5Y Five Year Inspection NG Station (NDT)

Depending on physical damage

FO Forced Outage

CI Combustion Inspection for Gas Turbine HGPI Hot Gas Path Inspection for Gas Turbine MO Major Overhaul for Gas Turbine

8 days 26 days 33 days

HRSG

1Y One Year Inspection HRSG 3Y Three Year Inspection HRSG

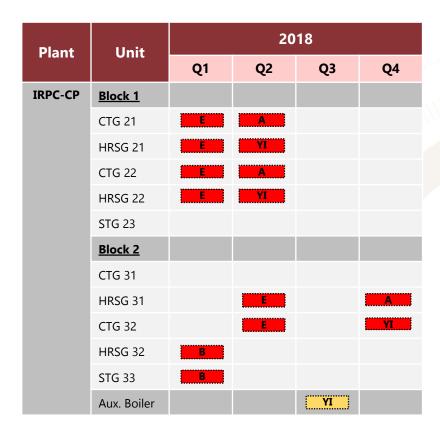
33 days

1Y One Year Inspection NG Station Test 5Y Five Year Inspection NG Station (NDT)

Online Depending on physical damage



2018 Maintenance schedule: IRPC-CP



Notes

	ΥI	Yearly Inspection	5 days
ΥI	ΥI	Yearly Inspection Aux Boiler	15 day
	Α	CTG Inspection Level A	5 days
	В	CTG Inspection Level B	20 day
	C	CTG Inspection Level C	24 day
	Ε	EPC Inspection End of Warrantee	3 days

