

The Leading Solar Farm and Solar Roof Developer in ASEAN







SPCG Public Company Limited

Operating Results of Q1/2016

Opportunity Day – May 24, 2016 @ 603 SET Ratchada



Agenda

Business Overview

Thailand and ASEAN Energy Outlook

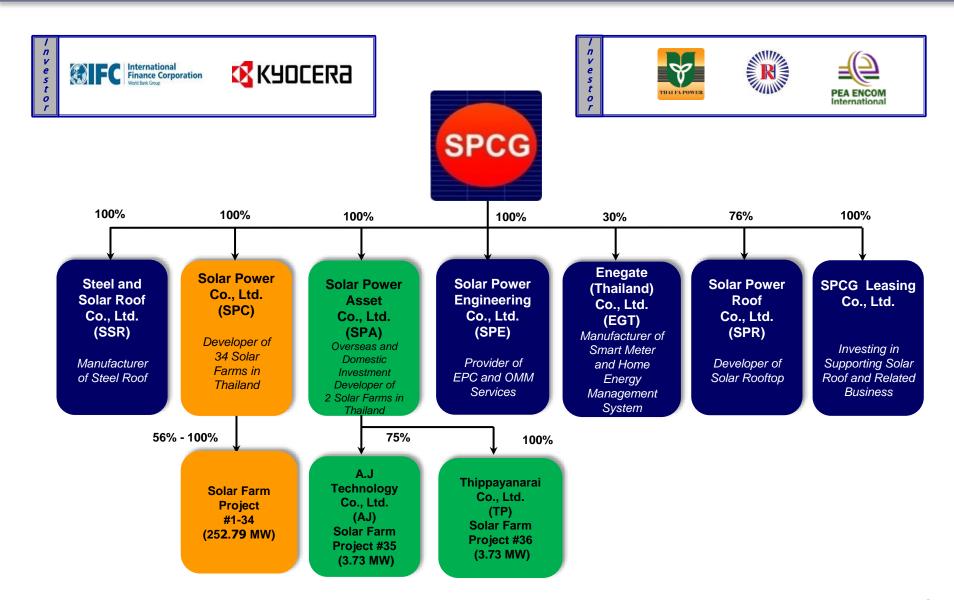
Financial Highlights

Potential Business

Q&A



Business Overview





Business Overview



Solar Farm

- SPCG invests and develops 36 solar farms, which are considered the largest in ASEAN with total 260 MW PPAs by THB 8 adder on top of base tariff and Ft.
- The Company achieved COD of 36 solar farms
- SPCG has invested in Japan for 30 MW and focus on expanding business both domestic and international investment



Solar Rooftop

SPR, a subsidiary of SPCG, provides full services for distribution and installation of solar roof systems
including design and installation, supply and distribution of materials, and advice on effective management
in energy-saving and safety by focusing on residence, industry and real estate project

SPCG established SPCG Leasing Co., Ltd) in order to be a supporter in solar roof business and related business



EPC and O&MM

- SPCG provides Engineering, Procurement and Construction (EPC) and Operation, Maintenance and Monitoring (O&MM) services for all of its solar farms through Solar Power Co., Ltd. (SPC), a wholly owned subsidiary
- The Company expands EPC and O&MM services to external clients, both domestically and internationally through Solar Power Engineering Co., Ltd. (SPE), a wholly owned subsidiary



Steel Roofing

 Steel and Solar Roof Co., Ltd. (SSR) provides manufacturing, distribution and installation services for steel or metal roofing sheets.



Business Overview

2011

- Successful M&A with STEEL (listed in the MAI)
- Changed the Company's name from "STEEL" to "SPCG"
- · Completion and COD of additional 4 solar farms
- Set up Solar Power Engineering with the goal of providing EPC and OMM services to outside customers

2010

- Obtained additional 28 PPA licenses from PEA
- Completion and COD of the first and largest commercial solar farm in Thailand

2009

• Obtained 6 PPA licenses from PEA

2007

The 1st Adder Policy for 8 THB/7 years announced

2008

The 2nd Adder Policy for 8 THB/10 years has announced

2015

- · Investment in Japan 30 MW
- Issue Debenture in Dec up to THB 12,500 million

2013

- Included in SET100
- COD of 14 solar farms
- Launched solar rooftop operated by Solar Power Roof (SPR)

- · Capital increase to THB 923.99 million
- Bond Issued THB 4,000 million
- Completed COD of all solar farms with total installed capacity 260 MW

Long term growth

- To capture new capacity through acquisition of new **PPAs**
- To become a leading full range EPC & OMM provider for both domestic and international customers
- To invest in solar farm both domestics and international markets
- To be a leader in **Solar Rooftop**

2014

Aichi Denki Obtained 2 PPA'S subsidiaries from SPA namely AJ and TP)

JV with ENEGATE (Japan) and Thai

Move from the MAI to the SET

Successfully PO in 1Q2012 with

Completion and COD of

additional 4 solar farms

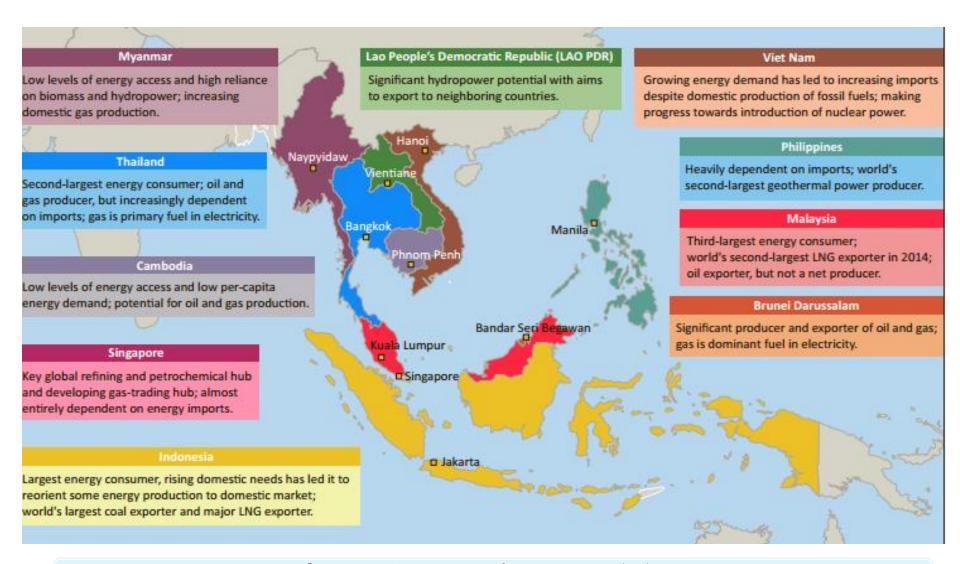
Begin a plan to set up IFF

transaction size of THB1,260 mm

2012

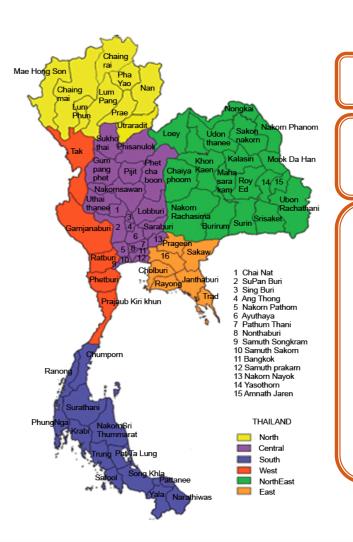


Energy overview of Southeast Asia





Thailand and ASEAN Energy Outlook



77 Provinces

Population in 2015

67,417,883 persons*

Power Capacity as of Dec. 2014

- Total 37,612 MW
 - EGAT

41.20%

Other sources

58.80%

IPP

35.00%

SPP

12.00%

VSPP

5.40%

Overseas 6.40%

Total

100.00%



PDP 2015 and AEDP 2015

Power Development Plan: PDP 2015¹

Unit:MW

Electricity Generating Capacity from 2015 to 2036	PDP 2015			
Total Generating as of ended 2014	37,612 MW			
Total Generating as of ended 2015	39,756 MW			
Total Generating as of ended 2036	70,335 MW			

Alternative Energy Development Plan: AEDP 2015²

Туре	Household Garbage	Industri al waste	Biomas s	Biogas	Small Hydro	Large Hydro	Wind	Sun light	Energy Crops	Total	REDP
Actual Capacity in 2014	65.72	-	2,451.82	311.50	142.01	-	224.47	1,298.51	-	4,494.03	12%
Actual Capacity in 2015	131.68		2,726.60	372.51	172.12	2,906.40	233.90	1,419.58	-	7,962.79	20%
Capacity in 2036	500	50	5,570	600	376	2,906.40	3,002	6,000	680	19,684.40	28%

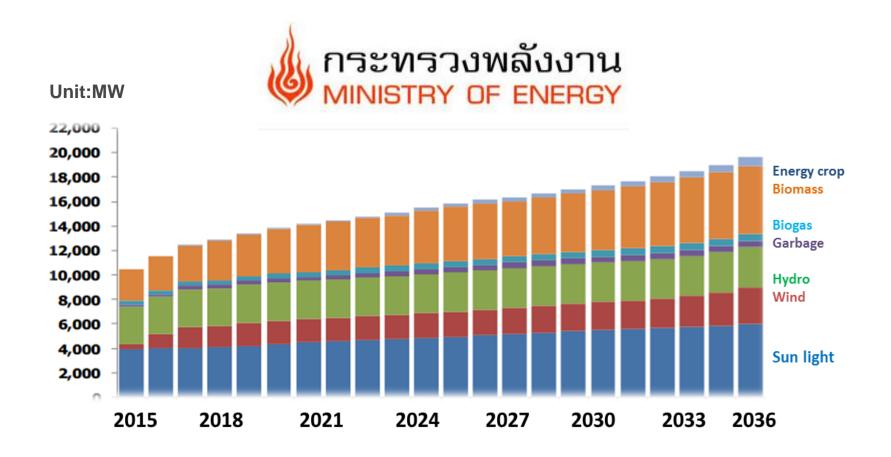
Reference: 1 Ministry of Energy,30 June 2015. Power Development Plan: PDP 2015

2 Ministry of Energy, Oct 2015. Alternative Energy Development Plan :AEDP 2015

Ministry of Energy 19 April 2016 :www.dede.go.th/download/state_59/consumtion_feb59.pdf



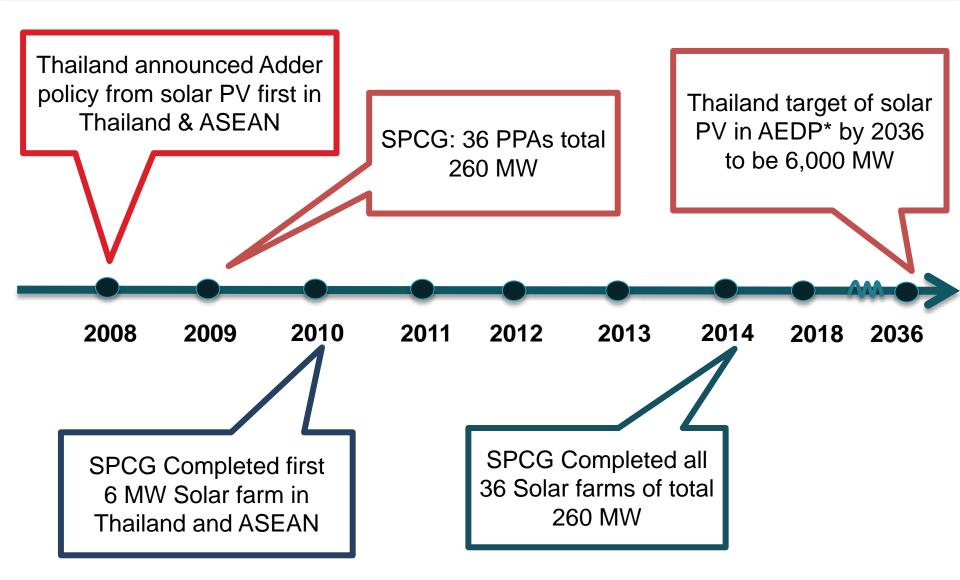
Alternative Energy Development Plan: AEDP 2015



Reference: Ministry of Energy, 22 June 2015. Alternative Energy Development Plan :AEDP 2015



Thailand Solar PV Timeline

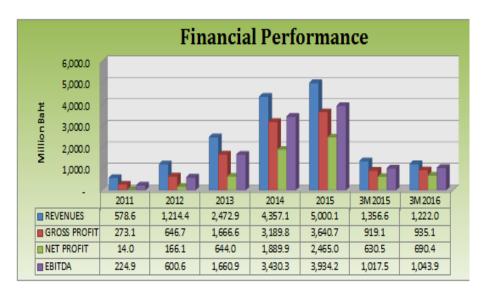


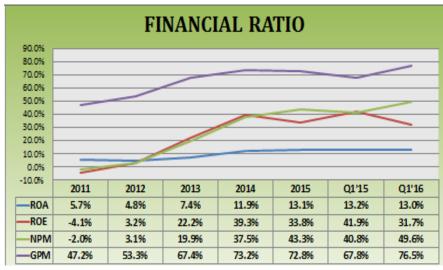
^{*} AEDP = Alternative Energy Development Plan

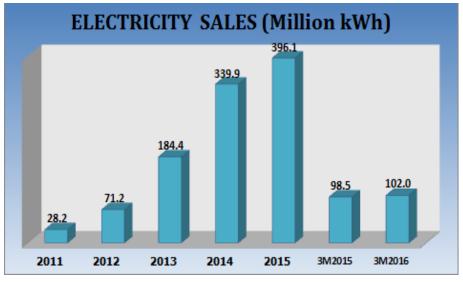


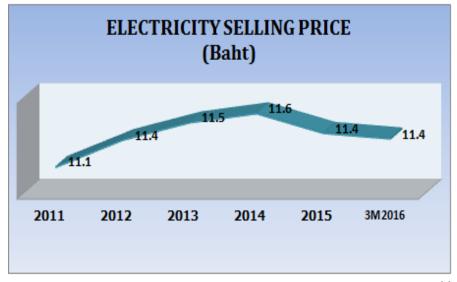
Financial Highlights

For the three-month period ended 31 March 2016











Financial Highlights

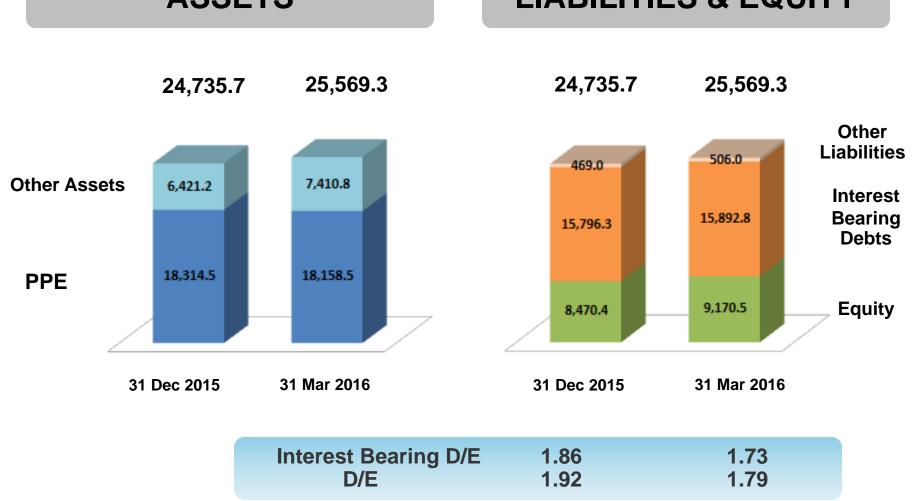
FINANCIAL POSITION - CONSOLIDATED

As at 31 March 2016

(Million Baht)



LIABILITIES & EQUITY





Potential Business

Solar Farm Investments - both locally and internationally

- SPCG is well positioned to expand our solar farm business:
 - Locally through new PPAs and acquisition of existing PPAs.
 - Internationally (i.e. Myanmar).
- Japan: Opportunity to invest in solar farms in Japan through our strong partnership with Kyocera.
- Myanmar: Opportunity to invest with IFC







EPC Business

 Participate in the government's community solar farm and solar roof projects such as community solar farms.

Solar Roof: SPR & SSR

- SPR and SSR an expert in industrial roofs are working very closely to grow and to become the leader of solar rooftop business in Thailand.
- Potential to win bidding on government project on solar rooftop
- Opportunity on energy shortage and increase in electricity price
- Reduce carbon dioxide emissions



Potential Business





About SPR

- Solar Power Roof Company Limited (SPR) is a subsidiary company of SPCG
 Public Company Limited (SPCG).
- SPR has Registered Capital of THB 400 million.
- SPR is in exclusive partnership with Kyocera Corporation.
- SPR offers one-stop service since survey, design, consultation, installation, after-sale service, monitoring, and documentation work with government authority, in addition of financial support to customer.
- SPR has 3 main markets:
 - Residential
 - Commercial Residential project
 - Commercial Factory ad industry







Residential









In partnership with





Residential











Commercial





Bank of Thailand





Commercial



The Stock Exchange of Thailand





Commercial



HomePro



SPR Solar Roof







Selling tools

- Solar PV Module Price Reduction (ROI ≅< 8 years)
- Low LCOE (Levelized Cost of Energy)
- BOI Incentive
- Energy Output Guarantee
- Monitoring Service
- ESCO company
- Joint Crediting Mechanism (JCM)







Frist Solar Farm in Thailand and ASEAN (Korat1,2)





Frist Solar Farm in Thailand and ASEAN (Korat1,2)





Frist Solar Farm in Thailand and ASEAN (Korat1,2)





Frist Solar Farm in Thailand and ASEAN (Korat 5)





Overseas Investment Plan 2016

Thailand

- Commercial & Industrial solar rooftop

Japan

- Tottori, Yonago for 30 MW

Myanmar

- Partner with IFC

Philippines



Invitation





UNFCCC was invited to be a panelist on COP21 under theme 'RE-Energising the Future' on Dec 6, 2015 at Palais Brongniart, Paris, France



Invitation





Wandee Khunchornyakong, CEO of Solar Power Company Group is one of the participants in #caring4climate panel #cop21



World Bank was invited to be a panelist on 'Caring for Climate Business Forum' on Dec 7, 2015 at Paris Le Bourget, Paris, France



Invitation





Mark Hauptmann, MP Member of the German Parliament invited to be a panelist on German-Asian Business 'Dialogue Innovation: Industry 4.0, Research & Development, Digitalization' in Berlin, Germany in 2016



Q & A Thank you for your attention





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