Lessons learned from JCM project development activities in Asia and JCM potential in Thailand

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Contents

- Who we are?
- What we do for JCM project development?
- Lessons learned and potential in Thailand





JCM outreach & project development activities

1) Disseminating the JCM information:

Information platform "Carbon Market Express" to provide A to Z of the JCM

2) Identifying priority sector and relevant policies:

JCM information sheet & information report

3) Identifying JCM project seeds

On-site & online survey in JCM partner countries

4) Encouraging match-making:

Workshop & study tour

5) Applying to JCM financing programme:

Preparation of application document for JCM Model Project

JCM Methodology and PDD development in case of necessary





Recent JCM model projects supported by OECC

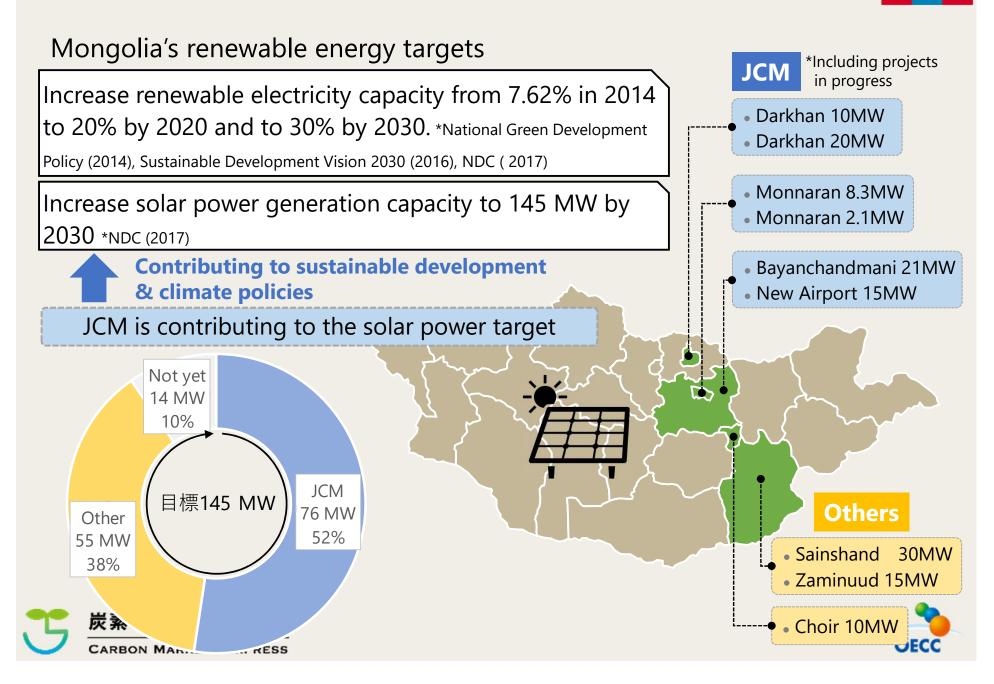
OECC has supported over 20 JCM pipeline projects in Asia.

Country	Project		
Philippines	Biogas Power Generation & Fuel Conversion Project in Pineapple Canneries		
Mongolia	Fuel Conversion by Introduction of LPG Boilers to Beverage Factory		
Myanmar	8.8MW Power Generation System by WHR for Cement Plant		
Mongolia	Upscaling Renewable Energy Sector Project [JFJCM by ADB]		
Mongolia	20MW Solar PV in Darkhan City		
Mongolia	15MW Solar PV in New Airport Suburb		
Indonesia	Absorption Chiller at Chemical Factory		
Philippines	1.2MW Solar PV at Refrigerating Warehouse		
Philippines	1.53MW Solar PV at Auto Parts Factories		
Laos	Amorphous Transformers in Nationwide Power Grids		
Vietnam	Amorphous Transformers in Southern and Central Power Grids II		
Cambodia	Introduction of 0.8MW Solar Power Generation in International School		





Case 1: Promoting renewable energy generation



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Needs finding and Match-making

- <u>Need from Mongolia</u>: Plan for solar power project by private company but lacking technology and investment
 → <OECC's support> Match-making with the PV manufacture
- Need from Japan: Potential for expanding agricultural project by Japanese company to "Solar firming" project
 →<OECC's support> Match-making with the PV manufacture

Project formulation

- Study tour to Japan
- Close communication with the JCM secretariat and relevant public authorities for smooth implementation
- Support for the application to the JCM Model Project

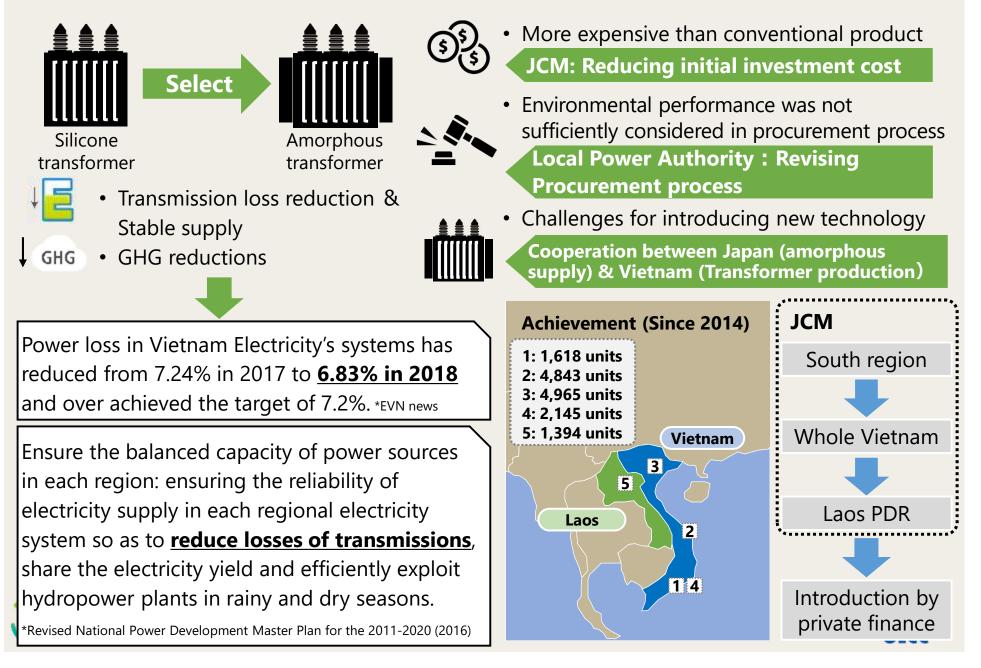
Point: Focus on business-wise & policy-wise effective projects





Case 2: Transferring & replicating low-carbon technology





Case 2: Transferring & replicating low-carbon technology



Needs finding and Match-making

✓ Bottom-up approach to regional power companies → <OECC's support> Cooperation with local supplier of the transformers → <OECC's support> Match-making with representative entity

Project formulation

 ✓ Environmental performance was not sufficiently considered in procurement process → <u>Procurement requirements were revised</u>

 \rightarrow <OECC's support> Consensus building: Advantages of the AMT was well recognized by EVNs through the survey/sales activities with local supplier. (Entire system efficiency, total cost with the JCM finance)

<OECC's support> MRV methodology development

Point: Difficult but possible to apply to the public bidding process





Example of JCM potentials for RE & EE in Thailand

Renewable Energy

Policy background: Revised AEDP(2018-2037) to increase the RE target, and large potential especially on Solar & Biomass.

Solar	Biomass	Waste to Energy	Wind
Off-grid: Increasing c such as rooftop PV/b	ADB financed 1st of its kind		
On-grid: EGAT plans floating solar at 9 dams.	Wind + Battery project		

Incentives: BOI's tax/import duties exemption for investment in RE project

Energy Efficiency (Commercial sector)

Policy background: Revised PDP(2018-2037) to implement a new Building Energy Code (BEC) to regulate newly constructed buildings >2000m2.

Energy efficient HVAC & lighting, renewable energy (e.g. rooftop PV)







Thank you for your attention!

Find more about JCM on the website:

Carbon Market Express: https://www.carbon-markets.go.jp/eng/



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Updates of the website will be announced through our **Newsletter** <u>https://www.carbon-markets.go.jp/eng/en_newsletter/</u>





