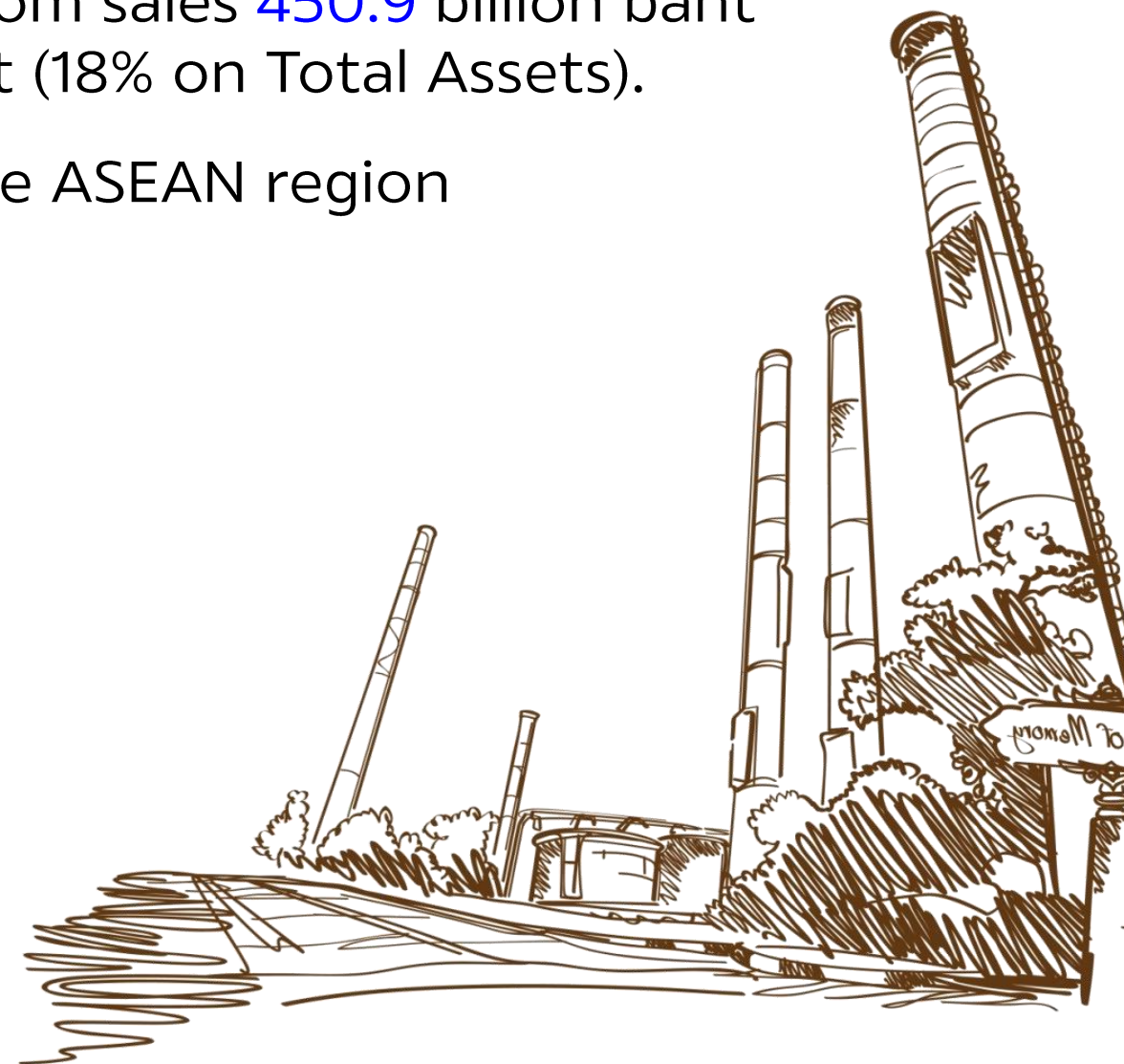


# ***Role of JCM in Supporting Implementation of Greenhouse Gas Mitigation Projects in Private Sector***

**Dr. Kriengkrai Suksankraisorn,**  
Renewable Energy and Technology Solution Manager  
SCG Cement  
**11/9/2018**

# SCG Business Overview

- ❑ Historical roots in producing **Cement** and expanded to **Petrochemicals, Paper & Packaging, Building Products, and Distribution**.
- ❑ Listed on the Stock Exchange of Thailand since **1976**.
- ❑ In 2017, Assets **573.4** billion baht, Revenue from sales **450.9** billion baht (24% within ASEAN), EBITDA **102.1** billion baht (18% on Total Assets).
- ❑ Total employees of **53,670** persons within the ASEAN region (31<sup>st</sup> December 2017).



# SCG Core Business Units

*CBM*

*Cement-Building materials*



*Chemicals*



*Packaging*





**SCG** will become **a Regional Business Leader**  
with emphasis on **Innovation**  
& **Sustainability**

**EXECUTION**  
WITH ***SPEED & QUALITY***





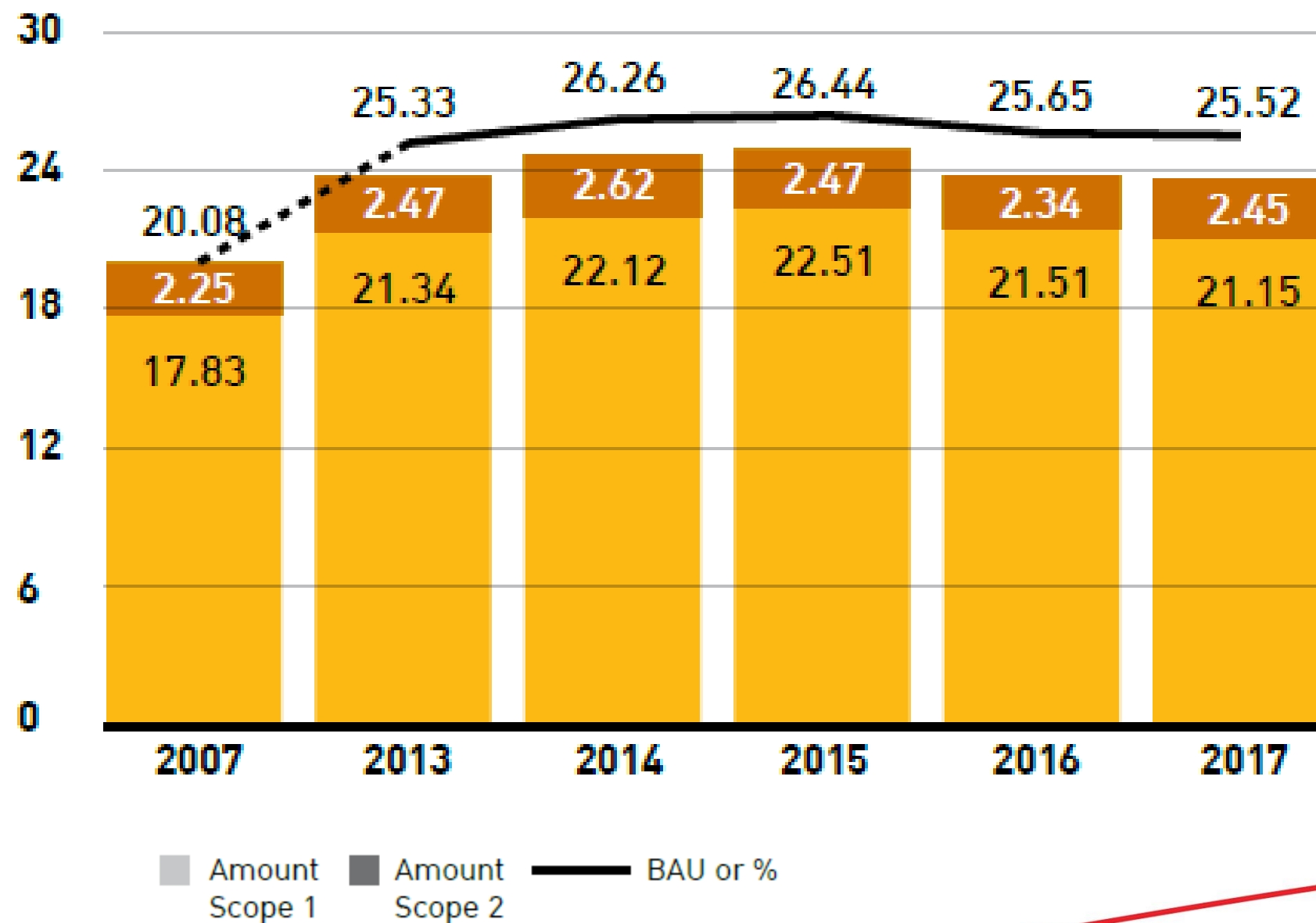
Total employees of 17,000 persons within the ASEAN region



Within 2020, reduce GHG emissions  
per production unit by 10% compared  
to 2007

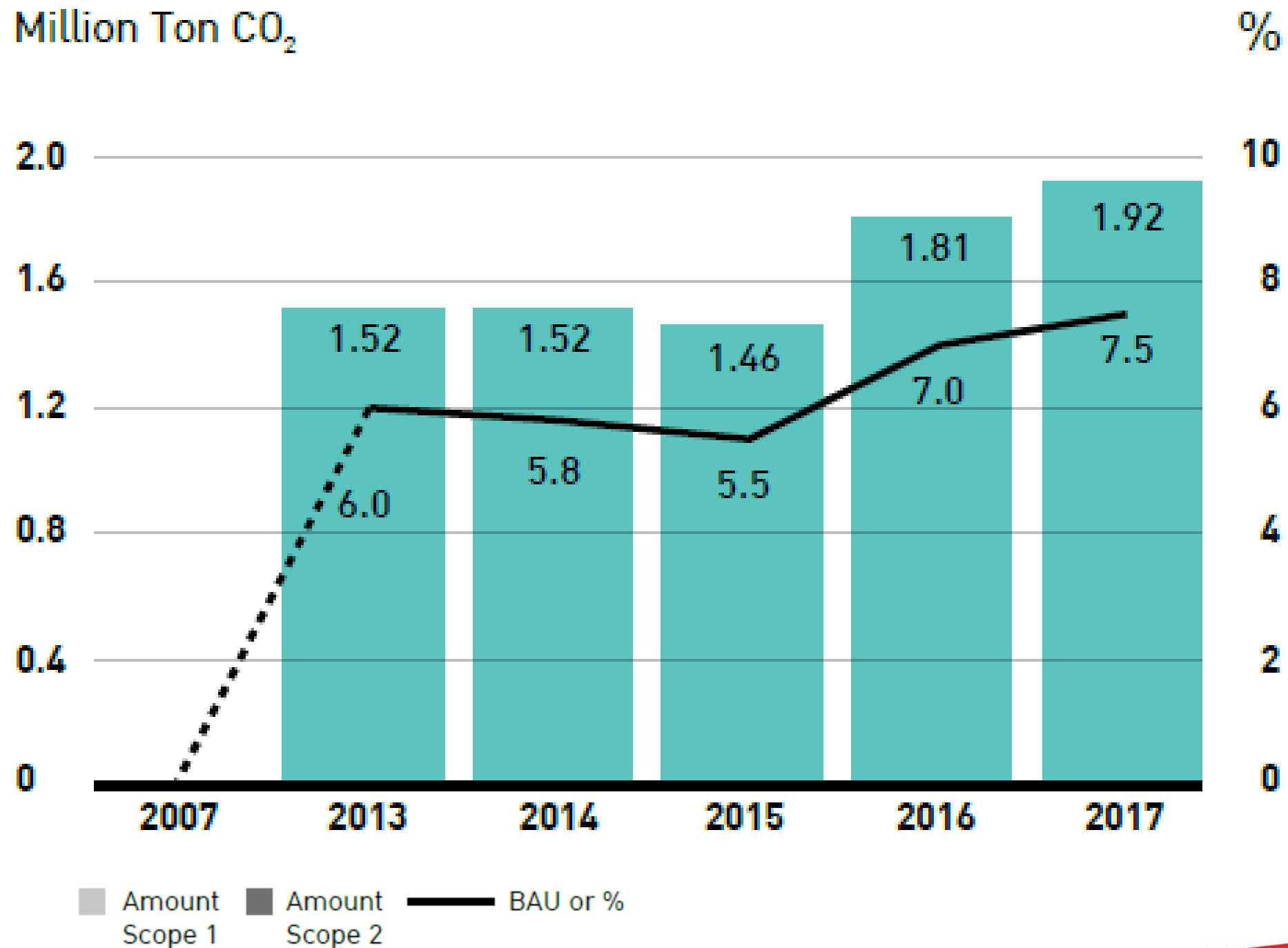
## SCG Greenhouse Gas Emissions

Million Ton CO<sub>2</sub>

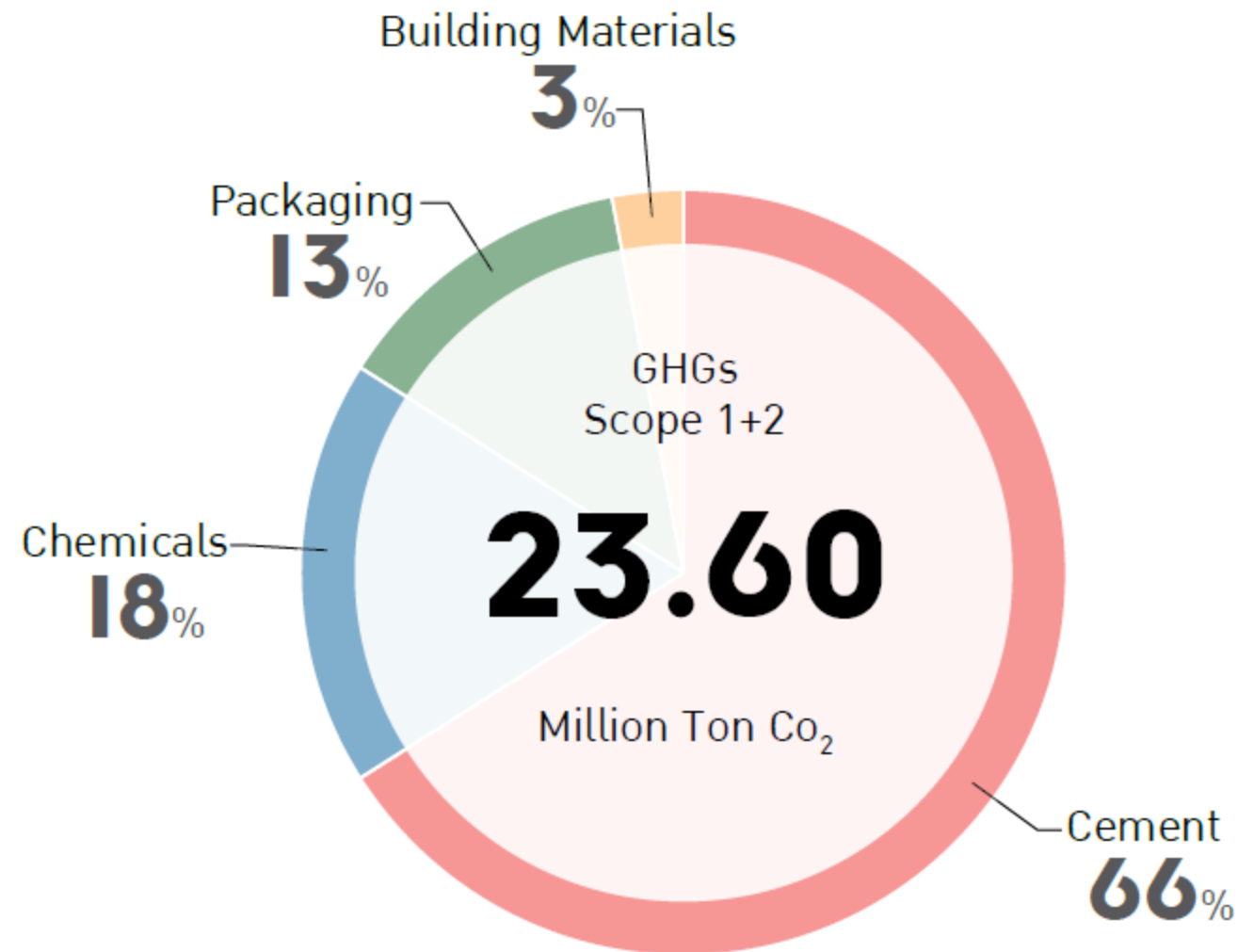


## SCG Greenhouse Gas Reduction

Million Ton CO<sub>2</sub>



# SCG CO2 Emission by BUs



	Cement-Building Mat.	Chemical	Packaging	Total
CO2 emission	16.3	4.3	3.0	23.6



# SCG CO2 Reduction Activities

## ✓ Waste to Energy in Cement Production

More than 200,000 tCO2 reduction by using Industrial waste and MSW

	Industrial waste		Municipal solid waste	
	2016	2017	2016	2017
Volume of waste substituting coal in cement production (ton per year)	44,226	59,765	30,520	46,955
Equivalent to coal reduction (gigajoule per year)	924,323	1,249,089	510,294	785,088
Equivalent to GHG emission reduction (ton per year)	88,735	119,912	48,988	75,368



## ✓ Solar Energy Projects

More than 70 MWp have been implemented  
With > 40,000 tCO2 reduction



10 MW Solar Farm at Saraburi



7 MW Floating Solar in Cambodia



3.7 MW Solar Farm at Nakornsi Thammarat

# ***Role of JCM in Supporting Implementation of Greenhouse Gas Mitigation Projects***

## **Advantages**

- ✓ **Enhance the low carbon technologies**
- ✓ **Technology transfer**
- ✓ **Financial support**
- ✓ **Win-Win CO2 reduction**
- ✓ **Difference from CDM**

## **Concern point**

- **Lack of knowledge of JCM development**
- **Need to find the Japanese partners**
  - +Technology provider**
  - +JCM developer**
- **Time to develop the project**
- **Contract period (> 10 y?)**
  - +Monitoring & Verification reports**



# Role of JCM in Supporting Implementation of Greenhouse Gas Mitigation Projects





# Thank you

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