

## ADVANCE ENERGY PLUS



*WE AIM TO BE THE MOST EFFICIENT , INNOVATION, AND  
MARKET DRIVEN IN PROVIDING BEST ADVISORY /MANAGEMENT  
FOR ENERGY AND ENVIRONMENT PROJECT/PROGRAM TO  
CREATE THE BEST VALUE FOR CUSTOMERS*



## OUR PROFILE

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## Our Experiences

### Carbon Credit Services

#### AEP has involved in development of more than 80 CDM projects in Thailand;

- 1 Project under request renewal of crediting period
- 1 Project got CERs issuance
- 5 Projects under verification
- 1 PoA registered with UNFCCC (7 PoAs for Thailand)
- 34 Projects registered with UNFCCC (130 projects for Thailand)
- 56 Projects got the Letter of Approval from Thai DNA (214 projects for Thailand)
- 33 Projects has been trained on Monitoring Manual



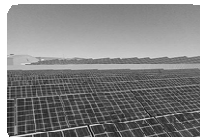
## Our Experiences

### Carbon Credit Services

#### Involving more than 80 CDM projects in all sectors



**Biomass Power  
Plant: 10 projects**



**Solar Power: 10  
projects**



**Biogas: > 40  
projects**



**Waste-to-Energy:  
5 projects**



**Energy Efficiency:  
2 projects**



**Hydro: 1 project**



## CDM & Voluntary



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## Comparison of CDM & Voluntary

	CDM	VER	T-VERs
<b>Price</b>	Market	Variable accordingly with standard and project or buyer	?
<b>Coverage</b>	Annex 1 countries	Voluntary/worldwide	Thailand
<b>Market size</b>	Larger	Smaller	Smaller
<b>Regulation</b>	UNFCCC EB	No formal regulation	TGO
<b>Methodologies</b>	Approved by EB	CDM and others	TGO
<b>Independent Third Party</b>	DOEs and EB	CDM DOEs and others	Independent Third Party



## Comparison of CDM & Voluntary

	CDM	VER	T-VERs
<b>Registry</b>	UNFCCC	VCS	TGO
<b>Rule and regulations</b>			
• Additionality	√	√	-
• Methodology	√	√	√
• Approval from Host Country	√	-	√
• etc.,			
<b>Similarity</b>	The same target in reduction of GHG		



## Voluntary Mechanism

### ❖ Pros

- Less bureaucratic
- Less costly
- Niche / new sectors not covered by CDM
- Cheaper to generate credit

### ❖ Cons

- Price depends on buyer
- Quality : certainty of additionality
- Smaller market
- Number of standards



## Procedure for changing from CDM to Voluntary

### 3 types of projects

- ❖ Registered
- ❖ Under Validation
- ❖ PDD finished



## Change from CDM to Voluntary

Registered Project under CDM	Validation Project under CDM but still not registered with EB	Project that has PDD under CDM (has not started validation) or New Project
Informed DOE that the project will be verified under Voluntary GHG program (e.g. VCS)	Informed DOE that project participant would like to withdraw from CDM	
Develop Monitoring Report and submit to DOE	Develop required document from each Voluntary GHG program	Develop required document from each Voluntary GHG program
	Validation / Verification of project	Validation / Verification of project by accredited party of Voluntary GHG program



**THANK YOU**

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