



MitigationMomentum

Energy Efficiency ESCO NAMA Overview

Validation Workshop
Bangkok, November 5th 2015





Objective

1. Present the (final) draft NAMA proposal
2. Solicit feedback
3. Discuss potential cooperation structure

Next steps

1. Incorporate feedback and finalise NAMA proposal
2. Acquire endorsement letters
3. Submit to NAMA Registry and present at COP21
4. Government of Thailand discussions with potential donor(s)

impact

increased investments in energy conservation, employment, energy and cost savings, increased productivity, and GHG mitigation

outcome

Increase in ESCO investments due to:

- Improved conditions for ESCOs to attract finance
- Improved capability for EPC
- Increased trust among end-users, banks, and ESCOs

Thriving ESCO market due to:

- Improved access to capital for EE investments
- More and better EE investment proposals
- Increased awareness of potential savings

outputs

- Improve understanding of different ESCO business models (govt and ESCOs)
- Pipeline of ESCO projects and advise on technical and financial aspects of EE investments (Govt & ESCOs)

- “Facilitation Approach” further elaborated and applied in different market segments

- Access to loan guarantees for implementation (ESCOs)
- Access to grants for project development (ESCOs)
- Better understanding of financial aspects of EE investments (Banks)

activities

- **A1:** Needs assessment and capacity building (Govt)
- **A2:** Needs assessment and capacity building (Thai ESCO association and ESCOs)
- **A3:** Developing a pipeline of ESCO projects and set up assistance facility

- **B1:** Detailing of the “Facilitation Approach”
- **B2:** Capacity building and training on “Facilitation Approach”
- **B3:** Application of Facilitation Approach and development of guidelines and MRV

- **C1:** Establish Portfolio Guarantee
- **C2:** Establish Grant scheme for developing a project pipeline
- **C3:** Setting up advisory services for financial sector institutions

inputs

Government of Thailand policies and strategies

International NAMA funding



MitigationMomentum

Energy Efficiency ESCO NAMA
Ambition and cooperation structure

Validation Workshop
Bangkok, November 5th 2015



Ambition

Current 2015 Market	NAMA 2016-2019 Phase 1	NAMA 2020-2023 Phase 2
35 ESCOs	50 ESCOs	100 ESCOs
200 EPC Projects	505 EPC Projects	1010 EPC Projects
60 mln USD market	166 mln USD market	333 mln USD market
< 300 Jobs	820 Jobs	1640 Jobs
185 GWh savings	512 GWh savings	1023 GWh savings
23 mln USD savings	64 mln USD savings	128 mln USD savings
92 kton CO ₂	256 kton CO ₂	512 kton CO ₂

Preliminary indication of (domestic and) international funds required: **40-80 mln USD**

- Loan guarantee 27-71 mln USD depending on design choices
- Grant scheme and advisory services around 5 mln USD
- Technical component 8 mln USD

Cooperation structure

