



Establishment of the ASEAN Energy Manager Accreditation Scheme (AEMAS)

Location: Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Thailand & Vietnam

Duration: 01 February 2010 to 31 January 2014 (48 months)

Lead Beneficiary: ASEAN Centre for Energy (ACE)

Project Partners: Copper Development Center South East Asia (CDC SEA), Energy Efficiency Practitioners Association of the Philippines (ENPAP), Green Technology Corporation of Malaysia (GTCM), Myanmar Engineering Society (MES), Pelangi, Research Center for Energy and Environment (RCEE), Action for Sustainable Development (ASD)

Project Associates: ASEAN Energy Efficiency and Conservation Subsector Network (EE&C-SSN), United Nations Environment Programme (UNEP)

Total Amount of Grant: € 1,721,645.21



Fact & Figures:

Objective:

The specific objective of the project is to increase the energy efficiency of industries in ASEAN through the establishment of the ASEAN Energy Management Accreditation Scheme (AEMAS), the training and certification of energy managers on a large scale, and the certification of energy end-users.

Further Information:

The combined amount of electricity savings achieved by AEMAS certified energy end-users reaches 100,000 MWh corresponding to combined CO₂ emission reductions of 55,000 tons across the ASEAN region by the end of the project.

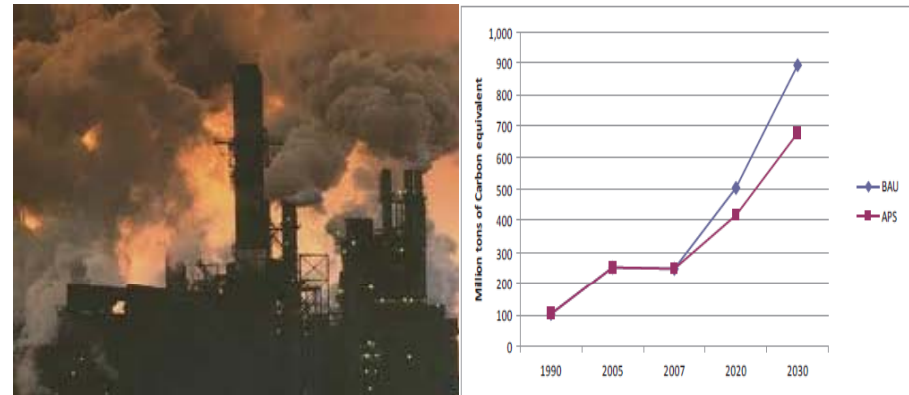
AEMAS is the culmination of previous projects by the Lead Beneficiary dealing with energy efficiency and conservation and will be the final and ultimate step to accelerate the adoption and implementation of EE&C measures in energy-intensive industries in the ASEAN region.

The total amount of the project is € 2,152,056.76, of which 80%, or € 1,721,645.41 is being granted by the Switch-Asia Programme of EU.

Target Groups: project partners, project associates, energy efficiency advocates, industry federations, professional institutes, energy consultants, energy auditors, energy managers and energy intensive industries including the SMEs.

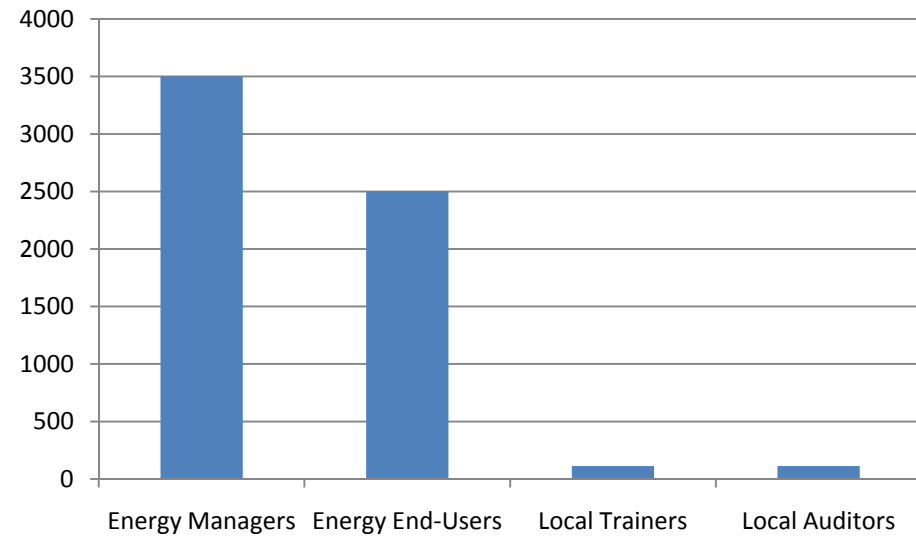
Beneficiaries: energy managers and energy end-users that will not be certified during the project's duration but can still be certified under AEMAS since it will be implemented over the long term.

CO₂ emission outlook for ASEAN ...



Impact in numbers

- Over 3,500 trained and certified energy managers
- Over 2,500 certified energy end-users
- Over 100 certified local trainers
- Over 100 certified local auditors
- 125 training workshops for energy managers
- 30 technical seminars
- 26 AEMAS National conferences
- 2 AEMAS International conferences
- 66 issues of AEMAS newsletters for over 16,000 recipients



Personal experience of change

"The establishment of AEMAS provides companies with a unique opportunity to supervise and manage their energy system. AEMAS provides a prestigious standard for improvement of energy management and organizational performance, while the AEMAS Energy Management Gold Standard Award opens avenues to go beyond the requirements of existing energy management systems."

<http://cpfshe.cportal.net/Article/tabid/211/articleType/ArticleView/articleId/535/AEMAS-.aspx>



Mr. Amnard Kittikrairit
Assistant Vice President, Charoen Pokphand
Foods Public Company Limited



Indicators for impact assessment:



Evaluation form

In order to help us improve future AEMAS events, please take the time to fill the present questionnaire before leaving. Thank you for your kind cooperation.

1. Logistics and organisational arrangements:

	Not satisfied	Fully satisfied	Very satisfied
Overall satisfaction with the meeting organisation:	52%	48%	
Overall satisfaction with the logistics arrangements:	45%	55%	
Conference room:	5%	27%	68%
Others (please specify): You said:			

2. Quality of the presentations:

Presentation 1:	Quality of presentation of the AEMAS objectives		Adaptation
	Too short	Too long	
Length the presentation:			100%
Content of the presentation:	Not detailed enough	Too detailed	100%
Quality of the speaker for the presentation:	Fair	Not good	Very good
Usefulness of the presentation:	Not useful	Fairly useful	Very useful
Others (please specify):	23%	27%	50%

Because the speaker is from different nationality, sometimes it is difficult to fully understand due to the accent.

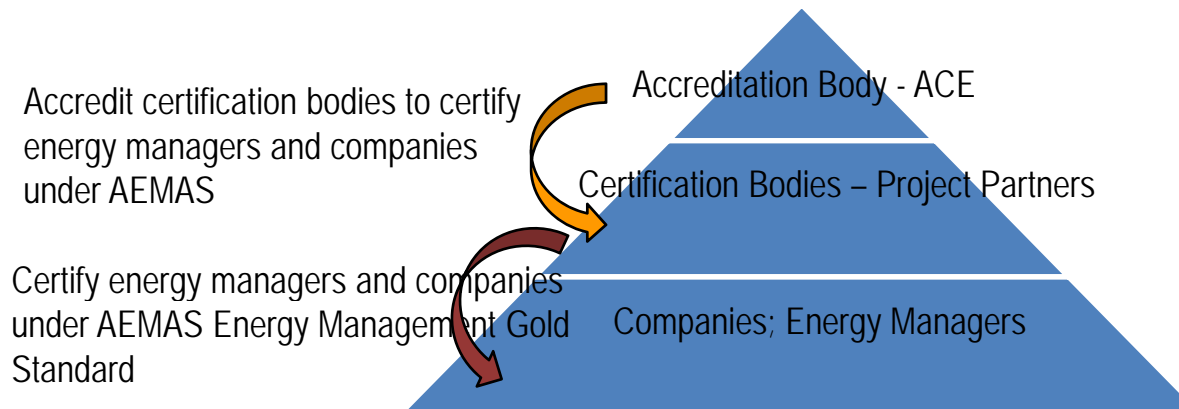


- The following structures and activities will be implemented to ensure follow-up of activities, monitoring outputs delivery as well as internal and external evaluation of the project: 1) regular meetings of the project partners (once a year); 2) quarterly reporting among partners; 3) visits of Lead Beneficiary (ACE) to each partner once a year; 4) Annual meetings of the AEMAS Steering Committee; 5) Regular meetings of AEMAS National Steering Committee; 6) Annual meetings of AEMAS Country Chapters; 7) 1 survey per year among certified energy managers; 8) audits conducted on a random basis in energy end-users applying for 1-star or 2-star certification; 9) audits implemented systematically for every company applying for 3-star certification; 10) workshop evaluation questionnaires; 11) seminar and conference evaluation questionnaires; and 12) External evaluation by a funding expert
- Commercial/building and other sectors will also adopt the AEMAS certification in their companies/organizations



How to make a difference....

- Energy managers that will be certified by AEMAS will define and implement sustainable energy management systems within their companies which will directly result in achieving significant energy savings and improve the energy efficiency of their production processes. At the same time, these certified energy managers will allow their companies to attain AEMAS certification, in effect, creating a continuous certification process for both the managers and the companies since AEMAS is based on a sustainable energy management system. The capacity to implement a sustainable energy management will remain among the energy managers and the companies thereby creating a multiplier effect that will be maintained over the long term.
- The AEMAS certification process for energy managers and companies will ensure the sustainability of the project and will drive the long-term goal of establishing an effective energy management system for the ASEAN region demonstrated by actual energy savings and equivalent CO₂ emission reductions.
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Specific lessons learnt from replication

- Training is the best way to effectively spread AEMAS among its target groups and related stakeholders. Training and certifying a member of an industry association, energy professional groups, energy efficiency advocates, energy managers and/or factory managers empower them to also train and certify their co-workers, thereby creating the most efficient way of promoting AEMAS to as many stakeholders as possible.
- Another effective and efficient way to reach target groups are through information materials, such as brochures and publication of e-newsletter and sent to all stakeholders to give them updates on trainings as well as news on progress of AEMAS across the ASEAN region.



Steps to communicate lessons on replication and impact:

switchasia
PROGRAMME



- Participation of project partners in conventions, fora and conferences to present AEMAS and forge partnerships during these events.
- Project partners will create and develop their own AEMAS business plan. The purpose of the business plan is to sustain the availability of results and activities after the end of the grant from EU. Charging of fees from trainings, certification and renewal fees from energy managers, trainers, auditors and companies will be used to maintain the activities of AEMAS partners and its website. Audit services from AEMAS certified auditors will also be a potential source of revenue to be used in maintaining the AEMAS project over the long-term. Part of the proceeds of the business plan will go to the administrative cost of ACE
- All the tools and materials developed by the AEMAS project will be available to users authorized by ACE.
- ACE will charge an accreditation fee to interested organization/s that will implement AEMAS to sustain the operation of the AEMAS project.
- Results and outputs of project activities will be available on the AEMAS website (www.aemas.org).
- The website contains a resource center wherein the supporting tools for certification e.g. application forms, certification processes are available and a forum to discuss and share knowledge and experiences.
- The website also contains a database of all certified energy managers, local trainers, local auditors and energy end-users.



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THANK YOU !

Contact:

Oscarlito C. Malvar

Jl. HR Rasuna Said, Blok X-2, Kav. 07-08, Kuningan

Jakarta 12950

Indonesia

Email: ocmalvar@aseanenergy.org

