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#### TÜV NORD Vietnam, a member of the TÜV NORD Group

With over 10,000 employees in more than 70 countries of Europe, Asia, America and Africa, the TÜV NORD Group is an active player in certification, testing and inspection services. TÜV NORD's broad consulting, service and testing/inspection portfolio encompasses both specific individual tests/inspections and also management of complex safety solutions.



#### ASSIST

ASSIST is a non-stock, non-profit international capacity building organization with its headquarters in the Philippines. It aims to achieve and witness meaningful change to and for our planet and the people living on it. Since 2003, ASSIST has implemented over 20 projects funded by multi-lateral donors such as European Union, USAID, UNEP, UNIDO, DEG, GTZ, etc.

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# PROSPECT ENMS

PROMOTE SUSTAINABLE PROGRAM OF ENERGY CONSUMPTION THROUGH ENERGY MANAGEMENT SYSTEM

CO-FINANCED BY



IMPLEMENTING PARTNERS





## PROJECT BRIEF

According to a forecast by the PricewaterhouseCoopers, Vietnam could be the fastest growing of emerging economies by 2025, growing by as much as 10% per annum in real USD terms. At this rate, the size of Vietnam's economy will be 70% that of UK by 2050. Vietnam's high rates of economic growth have led to growing energy demand and greenhouse gas (GHG) emissions.

From 1990-2005, energy consumption doubled, growing at a rate of 15% per annum. Based on economic development plans, the Vietnamese government expects that energy consumption will increase by 18% annually until 2030. Aside from increasing energy consumption, the country also has to address the high intensity of energy use per unit of economic output compared to other countries in the region, which suggests that energy usage is less efficient. Meanwhile, although GHG emissions are increasing, the country's share is still small.

The Ministry of Industry and Trade (MOIT) is advised to look at requiring the appointment of energy managers and implementation of energy management systems (EnMS) in the country. TUV NORD would like to contribute to this important juncture and implement a capacity building program among SMEs in Vietnam to implement EnMS. Since it was just released in June 2011, there is big awareness and capacity gap in Vietnam in order to mainstream it among SMEs, which make up more than 90% of the country's economy.

There are six main targets that the project would seek to: (1) Improve the awareness among SMEs on the benefits of EnMS, especially the most recent ISO 50001. (2) Develop standardized training material on ISO 50001 to raise awareness and for advanced training of energy manager/ expert. (3) Build and accumulate local capacity on Energy Management System through delivering training courses for resource people such as energy manager from SMEs; energy management consultant and energy management system auditor. (4) Set up the process of setting up, implementation and certification a EnMS according to ISO 50001. (5) Enhance the ability in energy management of resource people and Vietnamese SMEs through providing technical assistance to establish EnMS for pilot SMEs. (6) Popularizing the benefit of implementing EnMS through success story of pilot SMEs, who is boned by PROSPECT to apply EnMS and have conducted mock audit comparing with ISO 50001:2011.



## PROJECT ACTIVITIES



### Organizing SME Leader's Forums

These forums will be launched in the cities of Hanoi, Danang and Ho Chi Minh in order to generate interest and commitment from stakeholders and target SMEs.

### Awareness Campaigns

Would also be conducted among government ministries, industry chambers, and SMEs through the distribution of information campaigns materials.

### Releasing Online Surveys for SMEs

To help them to determine their existing gaps and capacities in relation to EnMS.

### 3-Day Comprehensive Train the Trainers Workshops on EnMS

These workshops will be held in Hanoi, Danang and Ho Chi Minh to develop local trainers.



### Implementation of EnMS according to ISO 50001:2011

10 SMEs will be consulted for free to implement EnMS in their processes in conforming to ISO 50001:2011 by experience energy experts. The successors will be acknowledged through mock audit against ISO 50001:2011.

### Energy Management Handbook

Reference materials, case studies, self implementation and audit guides will be developed in this Handbook to assist SMEs that were not chosen for technical assistance in implementing EnMS to enable them to realize energy efficiency gains. The Handbook will definitely create a multiplier effect and sustain the benefits even beyond project duration.

### 5-Day Certification Program

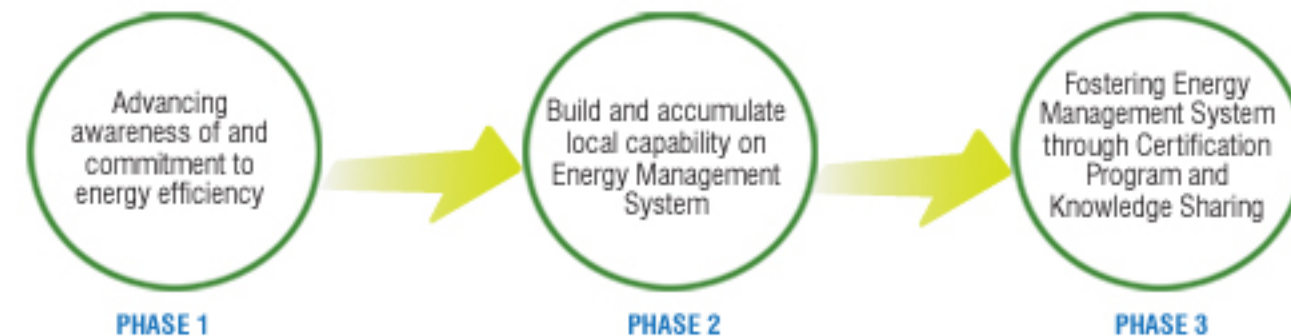
Is specialized to further enhance the sustainability of the projects and offer an accessible training program for energy professionals and practitioners in Vietnam. This program are rolled out in Hanoi, Danang and Ho Chi Minh.

### Awarding and Closing Ceremony

will be conducted in Hanoi, Danang and Ho Chi Minh wherein SMEs that implemented energy management system and realized energy efficiency gains will be recognized. The Energy Management System Handbook will be free to all SMEs from various industries present during the Ceremony.



## METHODOLOGY



- PHASE 1**
- . Create awareness of EnMS among SMEs
  - . SME leader's forums
  - . Online survey to SMEs
  - . Promotional Campaign

- PHASE 2**
- . 3-Day Comprehensive Train the Trainers Program
  - . Develop Energy Management System Handbook
  - . Gap analysis and technical assistance for pilot SMEs

- PHASE 3**
- . 5-Day Certification Program for Energy Managers
  - . Learning outcomes from practical pilot Vietnamese SMEs – Awarding and Closing
  - . Release Energy Management System Handbook to SMEs



## BENEFITS

Mainstreaming EnMS among SMEs in Vietnam would certainly help in pursuing sustainable economic development since most energy efficiency is achieved through changes in how energy is managed. This PPP project would facilitate know-how transfer, thereby building the capacity of local SMEs and energy professionals in contributing to emissions reductions and generate energy savings. The Certification Program to be developed in this project is also the first of its kind in Vietnam and will definitely help energy professionals to update their knowledge on new energy management systems. It can also contribute to the national government by offering the Certification Program for national adoption.

