

### Inside this Issue

- 01 Steering Committee highlighted the importance of the IEE project to Egypt.
- 02 National Ownership of IEE project.
- 03 Energy benchmarking for 3 of the most energy intensive sectors.
- 04 IEE Policy Development Process.
- 05 Energy Management Systems Training continues.
- 06 IEE supports EOS and IMC disseminating EnMS and ISO 50001 in Egyptian industries.
- 07 UNIDO EnMS Arabic practical guide is spreading all over Egypt.
- 08 Regular coaching and mentoring for the IEE national experts.
- 09 Energy Management System initiated in 11 industrial facilities.
- 10 Why "Develop your energy information and plans"?
- 11 UNIDO Regional Office in Egypt holds event on inclusive and sustainable development and investing in the country's future.



## Steering Committee highlighted the importance of the IEE project to Egypt

During the second IEE steering committee that was held on the 19<sup>th</sup> February 2014, Dr. Amr El Sammak, CEO of EEAA (Egyptian Environmental Agency) acknowledged the significance of the IEE project in view of the energy challenge facing Egypt. The IEE project is expected to contribute to saving more than 1000 GWh in energy and fuel per year through implementing energy management systems and system optimization measures in industries.

The project steering committee approved the work plan and budget for 2014 and agreed to invite companies from the engineering sector to participate in the second cycle of pilot enterprise to be supported through the project to implement EnMS.



## National Ownership of IEE project

Regular meetings of the project working group consisting of all project partners to review the project progress and discuss their inputs on upcoming activities are taking place monthly.



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## Energy benchmarking for 3 of the most energy intensive sectors

In collaboration with Egyptian Industrial Development Authority (IDA), the IEE Project has recently embarked on the development of Egypt's Industrial energy database and energy consumption benchmarks for three sectors; Iron & Steel, Fertilizers and Cement.

The Austrian Energy Agency as the International partner works jointly with the national experts to determine the benchmarking methodology and data collection requirements, calculation of benchmarking curves and development of three scenarios for improving energy efficiency using frozen efficiency, best available techniques and best available technologies.

### This activity aims at

**Issuing** energy efficiency benchmark reports.

**Comparing** the energy consumption of the participating plants among the studied companies and with respect to the international Best Available Technology (BAT).

An introduction workshop was organized by the project team in collaboration with the Industrial Development Authority (IDA) on the 27th of February where Dr. Mahmoud El Garf, head of IDA presented the benefits of energy benchmarking to industries. Companies representing the three sectors have participated in the workshop.

The IEE national consultants are currently working closely with IDA, and the companies representing each sector to collect and analyze data.



**Establishing** a database for the energy consumption within the 3 sectors.

**Developing** benchmarking curves for the efficiency of energy consumption in the 3 sectors.

**Estimating** the potential improvements to the energy consumption for the 3 sectors.

**Increasing** the awareness within the industries with the importance of energy efficiency and energy management systems (EnMS).

## IEE Policy Development Process

The IEE project with a consortium of 2 national companies: Environics and Logic Energy finalized the baseline assessment report which summarizes the findings of various reports on energy efficiency in Egypt and specifically the reports focusing on industrial energy efficiency. The report identifies gaps across the value chain of industrial energy efficiency, identifies stakeholders, provides an analysis of the regulatory framework and provides a SWOT analysis of the Egyptian industrial energy efficiency value chain.

The development of the policy will be a consultative process with a group of Egyptian thought leaders and representatives from relevant ministries, private sector and non-governmental organizations to act as a "Think Tank". This group will meet regularly to undertake consultation meetings on the policy formulation.



## Energy Management Systems Training continues...

In order to build local capacity for energy efficiency services on energy management systems and system optimization and create adequate supply of sufficient and quality services that is required for a well-functioning local market of EE consultancy, the IEE project continued training of 20 selected national experts representing governmental professionals, energy engineers, private sector consultants as well as academic staff. The IEE project held its training sessions over 3 days in December 2013. The main objective of the training session was "Develop your energy information and plans".



## IEE supports EOS and IMC disseminating EnMS and ISO 50001 in Egyptian industries

Twenty staff members from EOS and IMC attended the training of trainers (ToT) which took place from the 30<sup>th</sup> of March – 3<sup>rd</sup> of April 2014 at EOS premises. The intention of EOS/IMC is to build the internal capacity of their staff to support the qualitative dissemination of EnMS in Egyptian industries. The training was held by UNIDO's international expert Mr. Alberto Fossa with the support of two national experts Hosny Abdel Meguid and Moaaz Gebaily.



### UNIDO EnMS Arabic practical guide is spreading all over Egypt

To support organizations of different sizes improve their energy performance, saving energy and reducing costs, IEE project is disseminating the EnMS guide to industrial companies, professionals and experts involved in the implementation of EnMS projects.

### Regular coaching and mentoring for the IEE national experts

As part of the IEE project training programme, 20 experts are undertaking the UNIDO expert training on EnMS consisting of 3 modules and numerous webinars during which international experts train and coach the national experts in various steps of implementing the energy management systems. National experts are organized in pairs and are assigned to support one enterprise in implementing EnMS. At each webinar, the experts present the progress they achieved in the implementation of EnMS at their assigned companies as well as the obstacles they face. The international consultants provide continuous technical support and guidance and comments on the work accomplished as well as necessary feed-back for the way forward. National and international experts interact and exchange experiences and knowledge through the basecamp online platform.



### Energy Management System initiated in 11 industrial facilities

The IEE project is currently providing technical assistance to 11 Industrial facilities in adopting Energy Management systems. In December 2013, the UNIDO International Experts accompanied by the national experts carried out field visits to the 11 Industrial facilities to initiate planning their energy management system through ensuring top management commitment, designating energy teams, collecting energy and other relevant data, identifying the Significant Energy Users in each company and setting their own energy policy.



## Why “Develop your energy information and plans”?

Planning is a key step in putting an energy management system in place. It is fundamental to know how much energy is being used, where, and for what purpose. Most organizations have good knowledge of the breakdown of their cost base but few seem to understand where their energy is being used. Many seem to feel that this is acceptable but which other significant and controllable cost is given such little attention?

The purpose of the planning is to examine how you are using your energy. How are you going to measure performance improvements and to identify opportunities to reduce this use through a combination of housekeeping improvements, technical projects, training and other means? This process is called an energy review. You will also need to develop a baseline against which to measure improvement and also indicators that will demonstrate progress against your objectives and targets.

It also involves being aware of any legal or other (such as corporate or customer) requirements which need to be considered in planning your energy management activities.

Another way of putting this is to say that the purpose of planning is to translate the energy policy into a set of specific actions to be implemented over the coming period in order to improve your energy performance.

With real management commitment and a reasonable energy policy in place, you will have a good basis to plan your energy management activities.

The purpose of the energy review process is to examine your energy use in a systematic way and to focus your efforts on the most significant energy uses and opportunities. It is worth putting effort into the energy review as it is the basis for all activities to be carried out in the future.



## UNIDO Regional Office in Egypt holds event on inclusive and sustainable development and investing in the country’s future

The UNIDO Regional Office in Cairo held an event entitled “Inclusive and sustainable development: Investing in Egypt’s future” to discuss the challenges and opportunities for the country’s industrial sector and present the latest Industrial Development Report, as well as UNIDO’s activities in the country.

The event brought together representatives of the Ministries of Trade and Industry, Environment, and Local Development, international agencies, the private sector and civil society, and was opened by Giovanna Ceglie, UNIDO Regional Office Representative and Director.

Two panel discussions looked at industrial development, economic growth and job creation and ways to ensure growth with equity, and industry, energy and environment and how to decouple economic growth from pollution and excessive resource consumption.

An exhibition at the event showcased the strategic partnership with the Government of Egypt and UNIDO projects in the country. It featured products originating from field work.

