



Mitigation Enabling Energy Transition in the MEDiterranean region
Together We Switch to Clean Energy



Funded by the
European Union

meetMED Training Course on

ENERGY AUDITS IN INDUSTRIAL SMALL TO MEDIUM ENTERPRISES (SMES)

8 - 12 December 2019 – Cairo, Egypt

Venue: Intercontinental Citystars, Omar Ibn El Khattab, Heliopolis, Cairo

Hosted by the Regional Center for Renewable Energy and Energy Efficiency (RCREEE), the meetMED training course is co-organized by the Greek Centre for Renewable Energy Sources and Saving (CRES) and the Tunisian National Agency for Energy Management (ANME), based on the energy audits in industrial SMEs training package they jointly developed.

This training course is part of the activities of the meetMED (Mitigation Enabling Energy Transition in the Mediterranean Region) project, funded by the EU and developed by the Mediterranean Association of National Agencies for Energy Management (MEDENER) together with RCREEE.

Target participants are public agencies, the industrial sector, energy experts in charge of promoting EE programs and their application with a focus on the industrial sector.

Background

Developed in the framework of the working area on “Reinforcing public awareness and capacity building of local stakeholders on EE and RES”, the second meetMED training seminar focuses on the methodology for the elaboration of energy audits in industrial Small to Medium Enterprises (SMEs).

This training course is designed to provide energy experts with the necessary skills and knowledge to improve energy efficiency and profitability in the industrial sector as well as to gain required methodology for the completion of a thorough energy audit. Furthermore, the course will include the exchange of regional experiences among meetMED targeted countries, in planning and implementing EE plans and related measures for industrial SMEs. Finally, it will deliver proven best practices for optimizing energy-intensive equipment and systems.

The training materials have been prepared by the meetMED experts, building on existing practices and on the PA-CEMP project.

The training package consists of the following sessions:

1. Overview on energy Conservation and Energy Efficiency – Drafted by RCREEE
2. General Aspects of Energy Management and Energy Audit – Drafted by RCREEE
3. Electrical Energy Management – Drafted by RCREEE
4. Thermal Energy Management – Drafted by RCREEE
5. Energy Auditing ISO 50002 – Drafted by RCREEE
6. Instruments and Tools for Energy Auditing – Drafted by RCREEE
7. Energy Performance Assessment of Equipment and SMEs – Drafted by RCREEE
8. Economic Analysis and Project Financing – Drafted by RCREEE
9. Measurement and Verification (M&V) – Drafted by RCREEE
10. Demand Side Management Programs – Drafted by RCREEE
11. Experience exchange and best practices on promoting EE in the industrial sector – Drafted by meetMED partners.

Preliminary AGENDA

Sunday, 8 December 2019

08:30-09:00	Registration
09:00 - 09:30	Welcome Address <ul style="list-style-type: none"> • Dr Ahmed BADR, Executive Director, RCREEE • EU Delegation • MEDENER
09:30 - 10:00	Presentation of the meetMED project and activities on “Reinforcing public awareness and capacity building of local stakeholders on EE and RES” Matteo BARRA , meetMED Project Manager
10:00 - 10:15	Presentation of the program and of the goals of the training Rim BOUKHCHINA , Activity Leader, RCREEE
10:15 - 10:25	Roundtable introductions of the participants
10:25 – 10:50	<i>Coffee break</i>
10:50 - 11:20	Overview and achievements of the SwitchMed initiative Ayman Mostafa HUSSEIN , Regional TEST Coordinator, SwitchMed/UNIDO
11:20 - 11:50	Introduction to AFEX EE Houssam Al Hurafy , Technical Director, RCREEE
11:50 - 12:20	Regional Policies and Legal Framework Khaled SALMI , Project Manager, RCREEE
12:20 - 12:50	Q&A and Open Discussion
12:50 - 14:00	<i>Lunch break</i>
14:00 - 15:00	1. Overview on Conservation and Efficient Use of Energy Resources Khaled A. ELFARRA , PhD, GM Senior EE expert, RCREEE
15:00 - 15:30	2. General Aspects of Energy Management & Energy Audit Khaled A. ELFARRA , PhD, GM Senior EE expert, RCREEE
15:30 – 15:45	<i>Coffee break</i>
15:45 - 16:45	Wrap up and discussion

Monday, 9 December 2019

09:00 – 10:15	8. Economic Analysis and Project Financing Mina ADELI, Energy Expert, RCREEE
10:15 - 10:45	Q&A and discussion
10:45 – 11:00	<i>Coffee break</i>
11:00 - 12:15	4. Thermal Energy Management Khaled A. ELFARRA, PhD, GM Senior EE expert, RCREEE
12:15 - 12:45	Q&A and discussion
12:45 - 14:00	<i>Lunch break</i>
14:00 - 15:30	5. Energy Auditing ISO 50002 Khaled A. ELFARRA, PhD, GM Senior EE expert, RCREEE
15:30 – 15:45	<i>Coffee break</i>
16:30 - 17:00	6. Instruments and Tools for Energy Auditing Khaled A. ELFARRA, PhD, GM Senior EE expert, RCREEE
17:00 - 17:30	<i>Wrap up and discussion</i>

Tuesday, 10 December 2019

09:00 - 09:45	3. Electrical Energy Management Khaled A. ELFARRA, PhD, GM Senior EE expert, RCREEE
09:45 - 10:30	7. Energy Performance Assessment of Equipment and SMEs Khaled A. ELFARRA, PhD, GM Senior EE expert, RCREEE
10:30 - 10:45	Q&A and discussion
10:45 – 11:00	<i>Coffee break</i>
11:00 - 11:30	9. Measurement and Verification (M&V) Khaled A. ELFARRA, PhD, GM Senior EE expert, RCREEE

11:30 - 12:15	Q&A and discussion
12:15 - 12:45	<i>Lunch break</i>
12:45 - 14:00	10. Demand Side Management Programs Khaled A. ELFARRA, PhD, GM Senior EE expert, RCREEE
14:00 - 15:30	<i>Coffee break</i>
15:30 - 15:45	11. H2020 STEAM-UP Project – Case Studies from steam systems in SME industries in Greece Katerina SFAKIANAKI, Energy expert, CRES
15:45 - 16:45	11. Promoting Energy Efficiency in industrial sector: Case studies from Tunisia BARAKATI TAREK, Director of regional activities, ANME
16:45 - 17:15	Wrap up and discussion

Wednesday, 11 December 2019

09:00 – 09:45	11. Energy policy for industry and enterprises in Italy Enrico BIELE, Energy Expert, ENEA
09:45 - 10:15	11. Energy audits implementation in Italy Enrico BIELE, Energy Expert, ENEA
10:15 - 10:45	Q&A and discussion
10:45 – 11:00	<i>Coffee break</i>
11:00 – 12:00	11. Promoting Energy Efficiency in industrial sector: Jordanian Case study Ameil Bida, Karam Ajarmeh, Alaa hadidi from Jordan
12:00 – 12:30	11. Industrial Energy Efficiency Fund (IEEF) Ahmed ATEF, Energy Expert, RCREEE
12:30 - 12:45	Q&A and discussion

12:45 - 14:00	<i>Lunch break</i>
14:00 - 14:30	11. Promoting Energy Efficiency in industrial sector: Moroccan Experience Slimane SMOUH , Expert in Energy audits in industry, AMEE
14:30 – 15:00	11. Promoting Energy Efficiency in industrial sector: Lebanese Experience Tony GEBRAYEL , Engineer, LCEC
15:00 - 15:30	11. Promoting Energy Efficiency in industrial sector: Algerian Experience Topic to be defined by APRUE – Eng. Amira, Algeria
15:30 – 15:45	<i>Coffee break</i>
15:45 - 16:45	Wrap up and conclusion - Matteo BARRA , meetMED Project Manager
16:45 - 17:00	Training Course General conclusions <ul style="list-style-type: none"> • Ahmed BADR, Executive Director, RCREEE • Matteo BARRA, meetMED Project Manager

Thursday, 12 December 2019

BariQ for plastic recycling

For any further information, please do not hesitate to contact:

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