



**Energy Management Assistance (EnMA)
Service**

Industrial Energy Efficiency Fund

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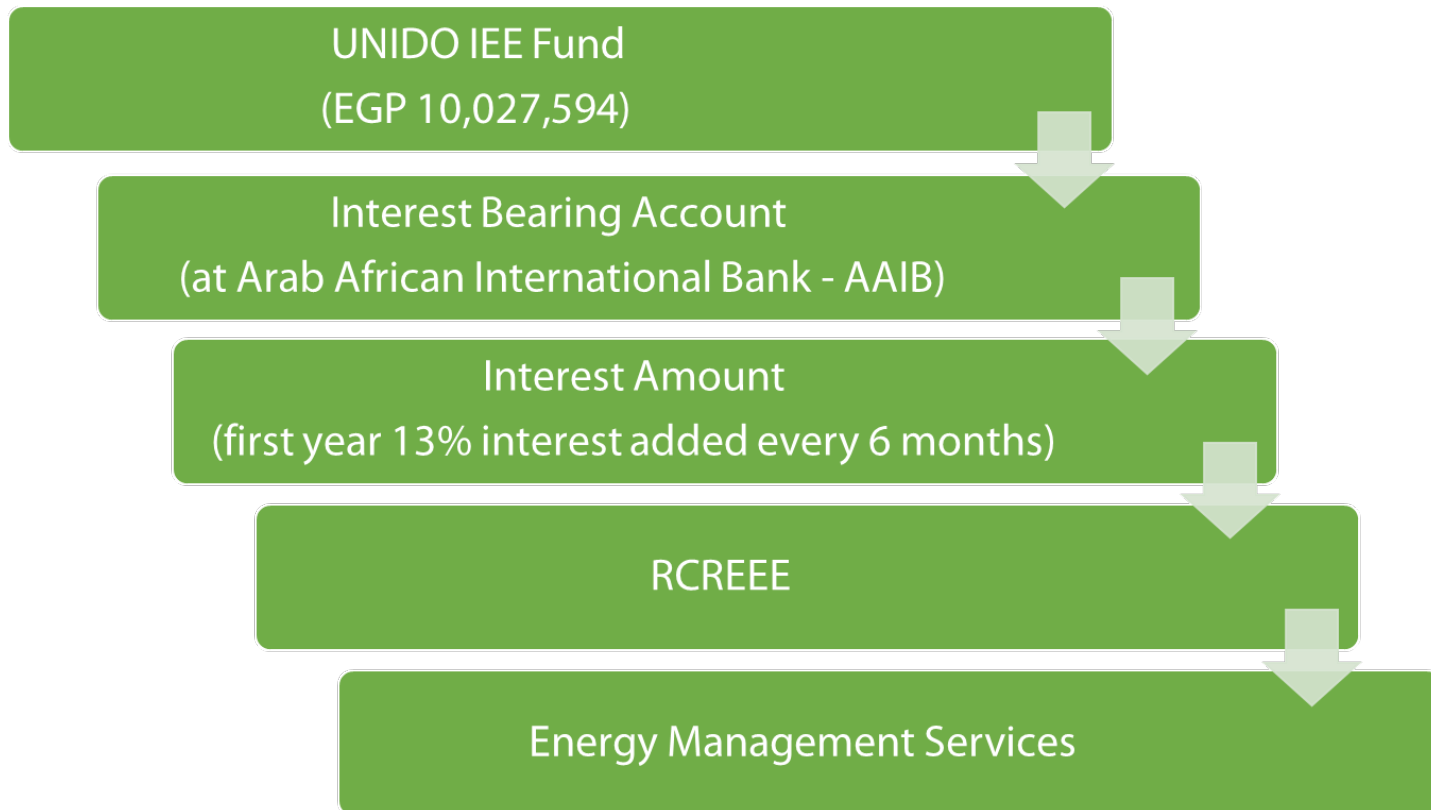
Funded by the
European Union

Introduction

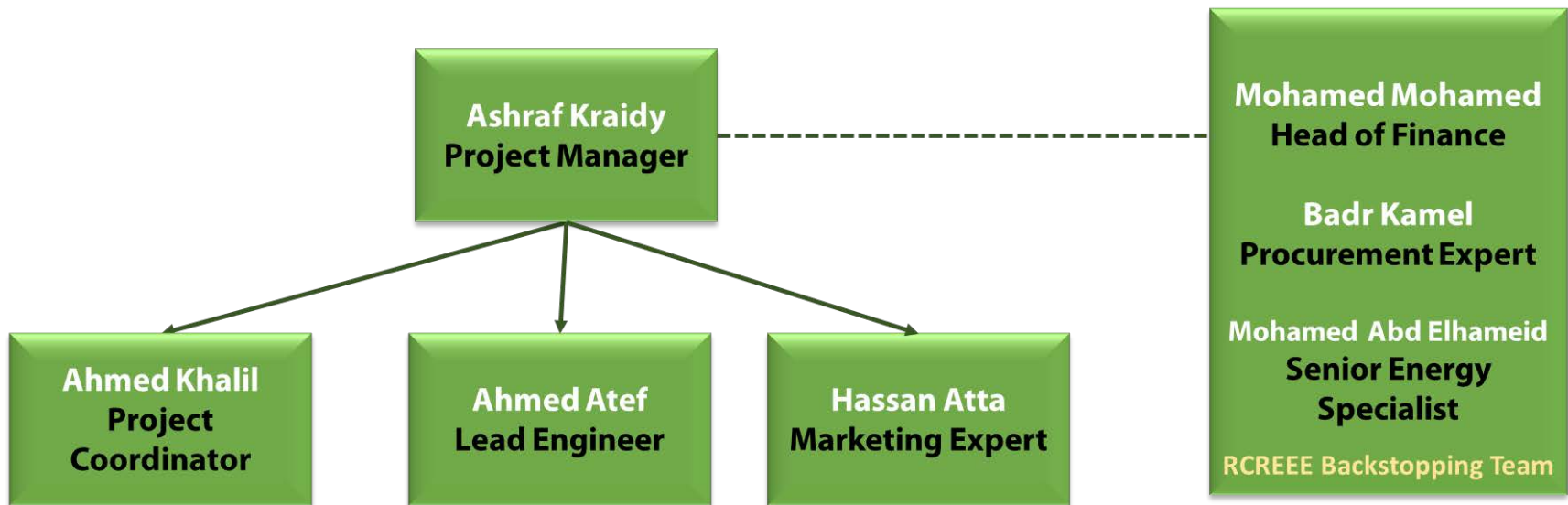
RCREEE has been contracted to act as a Fund Manager for the Industrial Energy Efficiency Fund under the project “Establishment of an industrial energy efficiency fund (IEEF) in Egypt in cooperation with the Egyptian Environmental Affairs Agency (EEAA) and with the financial support of the United Nations Industrial Development Organization (UNIDO)

- Project Period: 28 Months (09/2018 – 01/2021)
- Project Budget: 600,000 USD
- Main outcomes: Delivery of Energy Management Assistance (EnMA) services to up to 33 industries in Egypt

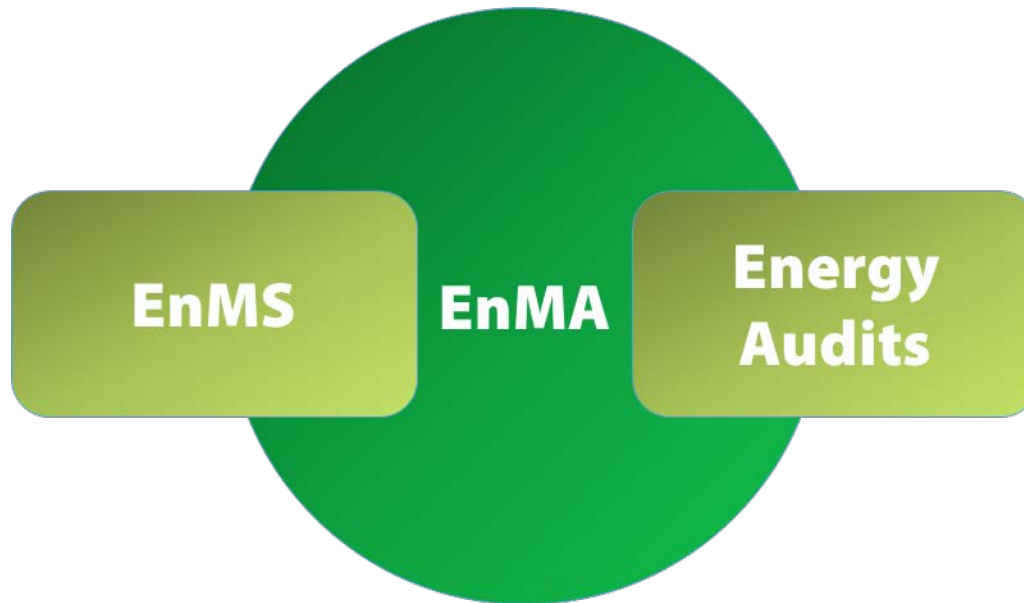
Operational Process



Project Team



EnMA Service



- EnMA Service should provide assistance on both technical and management aspects which fulfills the real needs of beneficiaries.
- The EnMA Service is the scope of services that the IEEF will provide

Eligibility Criteria

To be eligible to apply for EnMA Service, you must be:

- Industrial entity.
- Legal entity registered in Egypt.
- ISO 9001 certified.
- Electricity contracted capacity ≥ 500 kW.

EnMA Service-Phases



Preparatory

Planning

Implementation

Reporting

EnMA Service manual is available on the following link:

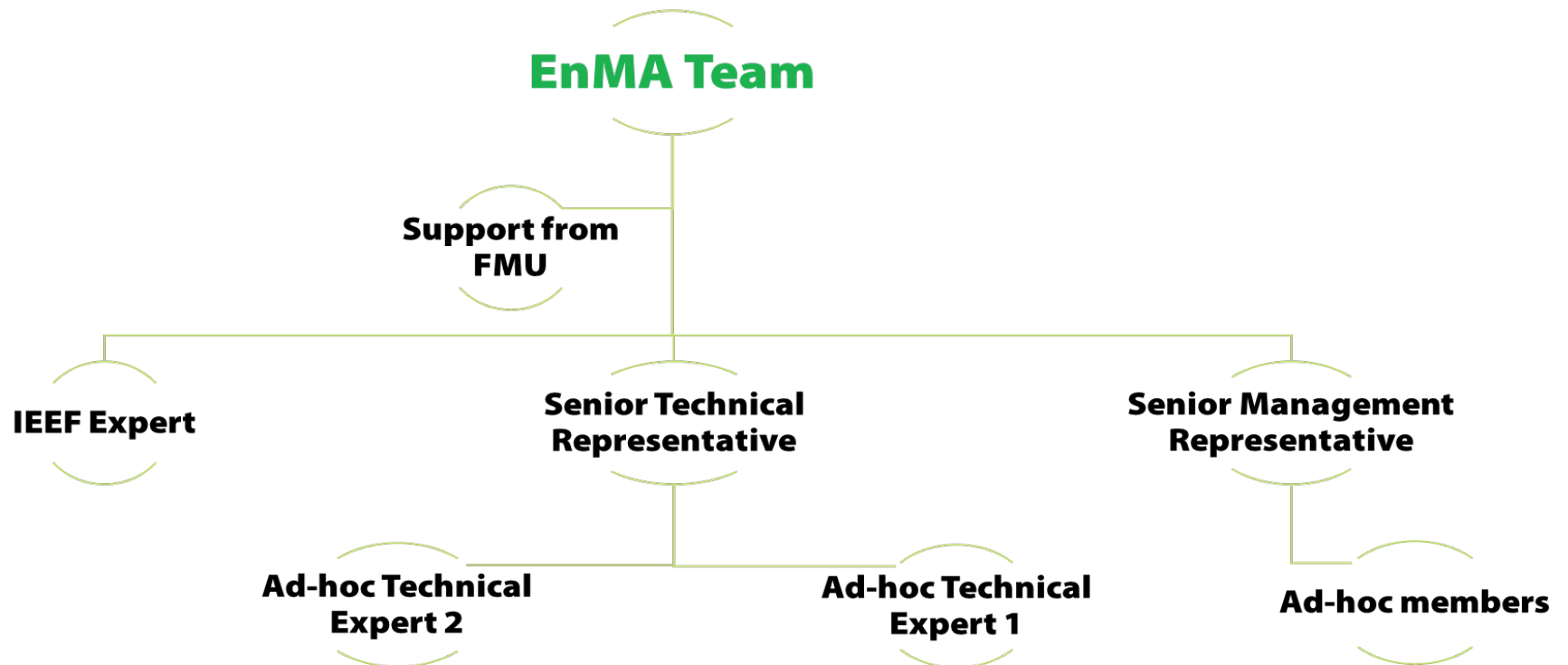
<http://rcreee.org/content/enma-manual#>

Preparatory Phase

Objectives:

- Introduce EnMA Service to facility top management.
- Form EnMA team
- Train potential in-house energy team members
- Assess current energy performance (preliminary)

EnMA team



Planning Phase

Objectives:

- **Data** collection (energy , production, other)
- **Analysis** of data
- Significant Energy Uses(**SEUs**) identification
- Defining energy baselines (**EnBs**)
- Setting Energy Performance Indicators (**EnPIs**)
- Identifying energy saving **opportunities**

Implementation Phase

Objectives:

- Implementing the measurement plan that will help to generate the required missing data.
- Technical and financial analysis for the identified energy saving opportunities (Prioritization)
- Identifying the implementation action plan
- Implementation of no/low cost measures

Reporting Phase

Objectives:

- Readiness assessment for ISO 50001 compliance (**Prequalification matrix**)
- **Final** Report

Expected Outcomes of EnMA Service

The expected outcomes for the facilities:

- Direction to the suitable options to identify and reduce energy consumption.
- On-job training to the relevant facility staff.
- Prequalification matrix and readiness assessment for ISO 50001.
- Information on access to finance.

Challenges

- **Commitment**
- Data quality and availability
- Size & complexity
- **Facility staff level of involvement**
- In-house technical expertise
- Geographical location



Let us seize this opportunity together

Thank you for your attention

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