



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE DEVELOPMENT GOAL 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE

UNIDO IEE Project vs EED – Contributions and opportunities



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Project Structure

Component 1

Policy & Institutions

Outcome 1 - Enhanced policy and programmatic frameworks for promotion and support of industrial energy efficiency.

1. ISO 50001 is adopted & promoted as national EnMS standard
2. Increased knowledge of EE policy-making and policy-implementing institutions about IEE best-practice policies and programmes
3. National IEE Actions with quantified GHG emission reduction targets are developed

Component 2

Market Services, Skills & Implem.

Outcome 2 - Accelerated penetration of EnMS & MSO in Georgia industries and development of a market offer for implementation support services.

1. 25 local EE professionals are trained to provide implementation support and capacity building for
 - ✓ EnMS in line with ISO50001
 - ✓ Motor Systems Optimization
2. Implementation of EnMS & MSO in 10 companies
3. Industry awareness and information availability about IEE BAT and financing

Component 3

Enhancing Investments

Outcome 3 - Development of innovative financing mechanisms (including carbon financing) for investments in IEE and low carbon technologies.

1. Assessment of IEE and climate technologies financing mechanisms
2. Design of an innovative IEE-Climate financing mechanism/products
3. Increased capacity of local financing institutions about IEE and climate investments and financing mechanisms



PC 1 – Policy and Institutions

Planned Outputs

1. ISO 50001 is adopted & promoted as national EnMS standard
2. Increased knowledge of EE policy-making and policy-implementing institutions about IEE best-practice policies and programmes
3. National IEE Actions with quantified GHG emission reduction targets are developed

Contributions and opportunities

Standard ID	Title
ISO 50001:2018	EnMS - Requirements with guidance for use
ISO 50002:2014	Energy audits - Requirements with guidance for use
ISO 50003:2014	EnMS – Requirements for bodies providing audit and certification of EnMS
EN 16231:2012	Energy efficiency benchmarking methodology
EN 16247-1:2012	Energy audits - Part 1: General requirements
EN 16247-2:2014	Energy audits - Part 2: Buildings
EN 16247-3:2014	Energy audits - Part 3: Processes
EN 16247-4:2014	Energy audits - Part 4: Transport
EN 16247-5:2015	Energy audits - Part 5: Competence of energy auditors

IEE Actions prioritized for project TA support:

1. Awareness raising & promotion through IEE-EnMS-MSO Information & Best-Practices website
2. Development of Energy Manager/Management Certification Program
3. Development of pilot Voluntary Target-Setting Agreement scheme for industry

PC 2 – IEE Market Services, Skills & Implementation

Planned Outputs

1. 25 local EE professionals are trained to provide implementation support and capacity building for
 - ✓ **EnMS in line with ISO50001**
 - ✓ **Motor Systems Optimization**
2. Implementation of EnMS & MSO in 10-15 pilot enterprises
3. Industry awareness and information availability about IEE BAT and financing

Contributions and opportunities

- ✓ Qualification of EnMS Experts
- ✓ Qualification of MSO Experts
- ✓ Implementation of EnMS in companies
 - Rustavi Azot - Fertilizers
 - Kutaisi Automotive Plant - Automotive
 - Saknakhshiri - Mining
 - Saqinvest - Logistics
 - Tbilisi Transport Company - Transport
 - Georgia Water & Power - Utility
- ✓ 4 more companies to add
- ✓ Information and training to industry & others



Letter of Intent (LoI) Signed



LoI in process





PC 3 – Enhancing Investments for IEE

Planned Outputs

1. Assessment of IEE and climate technologies financing mechanisms
2. Design of an innovative IEE-Climate financing mechanism/products
3. Increased capacity of local financing institutions about IEE and climate investments and financing mechanisms

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Contributions and opportunities

- ✓ Information and training to financing institutions





PC1 contribution to EED/NEEAP & opportunities

	Type of Instrument	EU or other Examples	Art. 7	Art. 8	Art. 16	Other Articles
1. Awareness & promotion through IEE-EnMS-MSO Best-Practices website	Informative	AT, HR, IR, etc.		YES		Art. 17
2. Certification Program for Energy Management Practitioner (EnMP)	Regulatory or Voluntary	IT, RO, USA	YES		YES	Art. 5* Art. 18
3. Voluntary target-setting agreement	Informative or Financial	IR, DK, UK, etc.	YES	YES if		

Art. 5 – Exemplary role of public bodies’ buildings

Art. 17 – Information and training

Art. 18 – Energy Services



PC2 contribution to EED/NEEAP & opportunities

	Type of Instrument	EU or other Examples	Art. 7	Art. 8	Art. 16	Other Articles
4. EnMS Capacity Building Programme (User and Expert)	Voluntary and Informative	CY, IR, CAN			YES	Art. 17 Art. 18 Art. 5*
5. EnMS Implementation (10 companies)	Voluntary	DE, DK, IR, NO, SP, etc. ..	YES	YES if		Art. 5*
6. Motor SO Capacity Building Programme (User and Expert)	Voluntary and Informative	USA, EU			YES	Art. 17
7. Industry awareness and information	Voluntary and Informative	USA, AT, etc.				Art. 17

Savings can be quantified

Art. 5 – Exemplary role of public bodies’ buildings

Art. 17 – Information and training

Contribution to EED/NEEAP & opportunities

	Type of Instrument	EU or other Examples	Art. 7	Art. 8	Art. 16	Other Articles
I. Voluntary Agreement with large industrial energy consumers (non-SMEs) to:	Voluntary	FI, IR, SE	YES	YES	YES	
i. implement EnMS-ISO50001 OR energy audit	Voluntary and Regulatory	FI* IR*	YES	YES		Art. 17 for EnMS
ii. have a certified EnMP ✓ Curriculum to include EED Annex VI	Voluntary and Regulatory	USA*	YES	YES	YES	

Notes:

- Direct agreement or Industry association as possible intermediary
- Ministry or other authority to monitor and verify
- Possible subsidies linked to level of savings (pave the way to Energy Performance Contract)



THANK YOU!

For more information:

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