



2014-10-07 1400 - 1530 HOURS

**Module 8**

**Plan of Implementation of ISO 50001**

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**Learning Objectives**

- Generic approach to establish an energy management system
- Details of plan

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**Are you ready?**

- Top management
- Staff (motivation)
- Business cycle
- Resource availability
- Expected changes

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## Implementation phases

### Phase 1

- System development

### Phase 2

- System implementation

### Phase 3

- Certification

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## Phase 1 : Assemble Team

Appoint management representative (MR) and deputy (highly recommended)

Identify persons to work with MR in support of energy management activities (Clause 4.2.2 b)

Provide necessary training

- ensure competence

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## Phase 1: Conduct gap analysis

### Energy management

- Identification of requirements
- Waste? Efficiency improvement opportunities
- Baseline? EnPIs?  
Objectives/targets/action plans

### Management system

- Policy
- Documentation control
- Internal audit/management review

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### **Phase 1: System development**

- Develop energy policy
- Finalize energy planning
- Establish objectives/targets/action plans
- Prepare necessary documented procedures and forms
- Involve suppliers (as needed)
- Infrastructure improvements (as needed)

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### **Phase 1: Training**

- Top management
- Function management
- Professional staff
- Front line staff
- Internal auditors
- General awareness

**Ensure buy in**

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### **Phase 2: Implementation**

- Pick a 'good' date
  - ensure ready
- Ceremony
- Communication
  - sell benefits
- Monitoring starts

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## Phase 2: Internal audit and management review

- Create a 'being audited' culture
- More frequent internal audits
- Management review for internal purpose

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## Phase 3: Certification

- Select certification body
- Sign agreement (3 years)
- Stage 1 audit
- Stage 2 audit
- Certification

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Questions ??



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