



- ESOS TO ISO50001
- ENERGY MANAGEMENT SYSTEM (EnMs) SOLUTIONS
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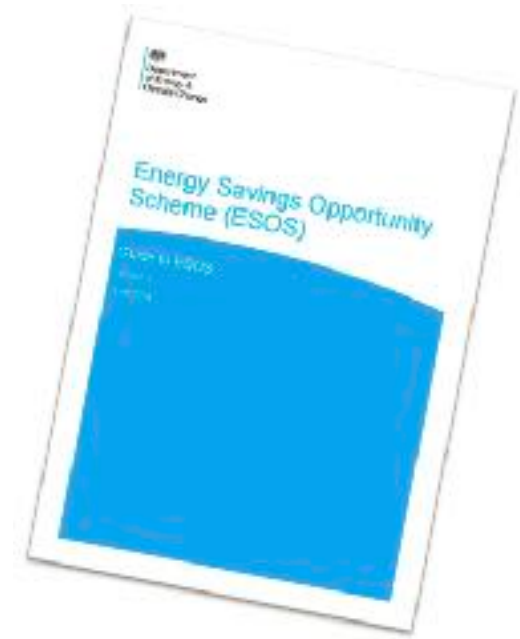
Introduction

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1. The Transition from ESOS to ISO50001

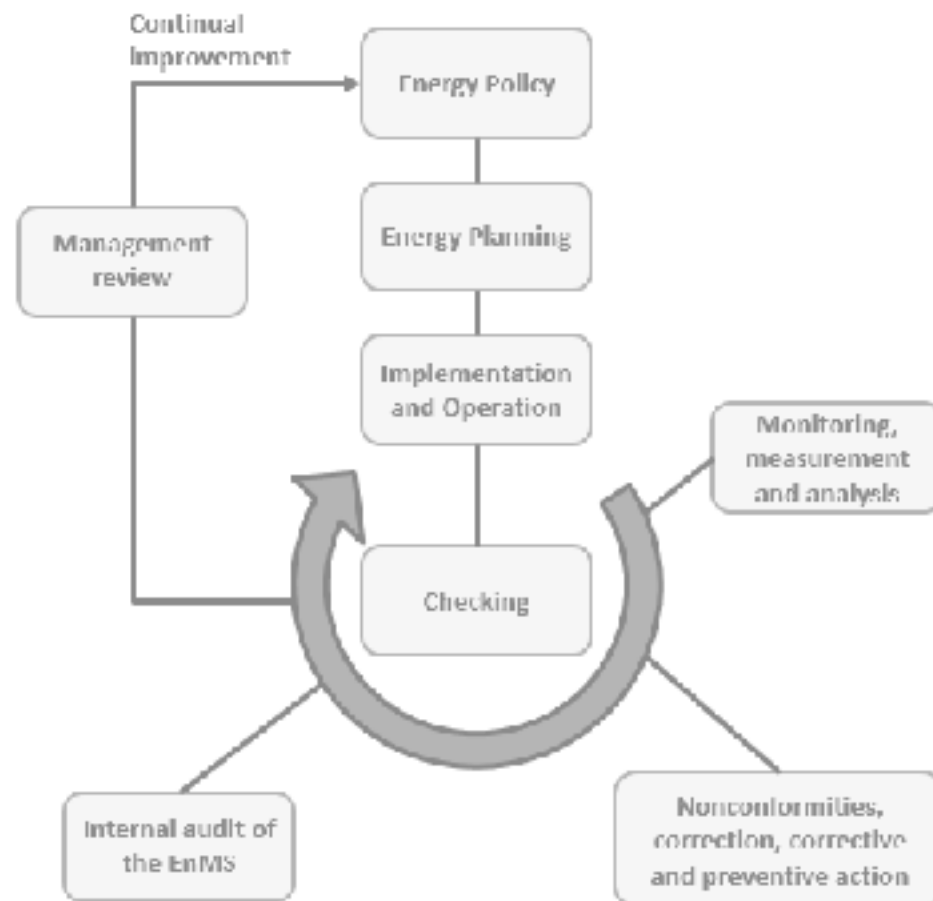
- Phase 2 of ESOS is now underway with a compliance deadline of the 5 December 2019.
 - Site energy and transport audits completed between 6 December 2015 and 5 December 2019 will be required for compliance.
- ISO50001 is an approved compliance method to ESOS with the added benefit of having an operational energy management system.
- Typically the transition can take between 6-18 months depending upon the complexity of the organisation, its operations and boundary.
- BSSEC are experienced in both ESOS, ISO50001 and the transition between the two.



2. ISO 50001 – Key Requirements

The key requirements of ISO50001 can be summed up into the following key documents and processes;

- Energy Policy
- Energy Planning
- Energy Review
- Energy Baseline
- Energy Performance Indicators
- Documentation
- Implementation
- Management Review
- Audit and Certification



3. BSSEC Transition Solutions



Offer

1. ESOS data review.
2. EnMS System build.
 - Energy Baseline
 - Energy Review
 - Energy Policy
 - Performance indicators
 - Energy Planning

Responsibilities

1. Documentation
2. Implementation
3. Monitoring, measurement and analysis
4. Management review
5. Internal Audit

Responsibilities

1. External audit
2. Certification
3. Surveillance visits



3.1 EnMs Baseline

Requirement:

Quantitative reference(s) providing a basis for comparison of energy performance

Our Service:

- Review energy trends
- Consider energy baseline
- Set appropriate energy baseline
- Establish variables for tracking
- Establish energy savings protocol
- Consider targeting and future projection

Deliverable:

EnMs Baseline documentation



3.2 EnMs Review

Requirement:

Determination of organisations energy performance based on data and other information leading to identification of opportunities for improvement

Our Service:

- Analyse energy use and consumption
- Identify areas of significant use and consumption
- Review legislation impacts
- Provide energy audits to BS EN 16247 and EPC's if needed
- Identify opportunities for improving energy performance
- Establish action plans
- Suggest energy saving targets

Deliverable:

EnMs Review document



3.3 EnMs Policy

Requirement:

Statement by the organisation of its intentions and direction of an organisation related to its energy performance as formally expressed by top management.

Our Service:

- Seek to understand the organisational policy objectives
- Prepare suitable policy document
- Present to board for sign off
- Prepare supporting documentation and action plans
- Advice on embedding policy in business management and operations

Deliverable:

Policy documentation



3.4 EnMs Performance Indicators (EnPi's)

Requirement:

Energy performance indicator EnPi quantitative value or measurement of energy performance as defined by the organisation.

Our Service:

Establish EnPi's that communicate performance to stakeholder groups including:

- Investors
- Board level and senior management
- System implementer
- Auditors

Deliverable:

EnPi's documentation



3.5 EnMs Planning

Requirement:

Establishing an energy plan that considers inputs, scope of energy review and outputs as a planning process – BSSEC interpretation

Our Service:

Set planning inputs:

- Past and present energy use
- Determine variables
- Establish the scope of energy review

Set planning outputs:

- Energy baseline
- EnPI's
- Objectives and Targets
- Action plans
- Monitoring and evaluation

Deliverable:

Energy Planning Documentation



4. Next Steps

Gap Analysis

BSSEC can undertake a no obligation desktop gap analysis to help you determine the likely workload and timescale for implementing an EnMS that will achieve ISO 50001 certification.

Cost Planning

We'll give you a clear indication of the costs of gaining and maintaining certification. You can contact our team using the details overleaf who will be happy to help you with your enquiries.





Thanks for your time.



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