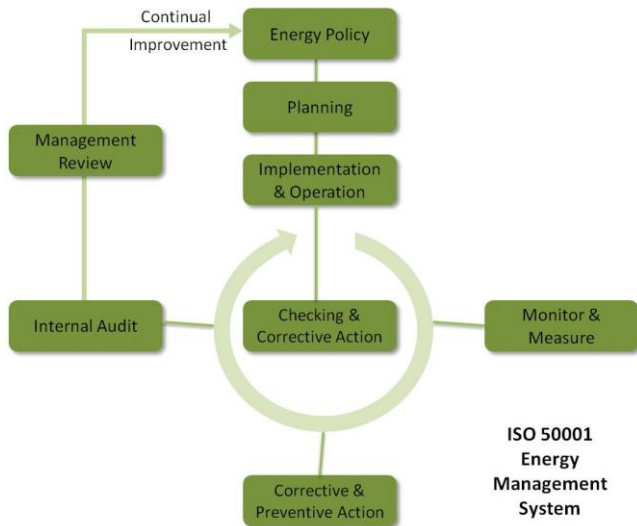




## ISO 50001 - Energy Management Systems (EnMS)



With energy such a significant cost to many companies, an Energy Management System (EnMS) helps to understand & manage energy consumption; this can be certified to the international standard ISO 50001.

Similar to other management system standards, the cyclic process of ISO 50001 leads to continuous improvement.

Having an ISO 50001-certified EnMS covering all significant energy is one route to compliance under the Energy Saving Opportunity Scheme **ESOS**.

### What's Involved

<b>Scope</b>	Understand company sites, activities and determine boundary of EnMS
<b>Policy</b>	Develop and adopt Energy / Environmental Policy
<b>Energy Review and Legislation</b>	Conduct full Energy Review, reviewing data for energy use & consumption - covering energy in buildings, fuels & transport (company vehicles & 'grey fleet'); understanding of significance and variables, also legislation. Energy audits of to identify energy reduction opportunities
<b>EnMS Plan</b>	Workshop to develop Energy Management Plan, with prioritised actions and timescales
<b>EnMS Management System</b>	Develop the EnMS Management System, including: Key tasks, responsibilities and reporting lines; Objectives, Targets and KPIs; Operating procedures, record keeping & monitoring; required EnMS documentation (advise on required procedures, records etc) Include energy in design & procurement decisions Establish EnMS Group to ensure delivery of Energy Management System
<b>Training &amp; Awareness</b>	Review training & communication requirements to ensure key competencies of staff (and contractors). Deliver training as needed
<b>Internal Audit</b>	Develop EnMS Internal Audit Programme, with audit team capabilities Conduct internal audits and produce reports
<b>Management Review</b>	Conduct the formal Management Review of the EnMS - review of activities & targets, agree improvements / actions
<b>Progress to Certification</b>	Once EnMS is embedded, progress to ISO 50001 certification

*Reducing wastage, promoting efficiency, saving money & winning business: This is Effective Environmental Management*

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## Value of ISO 50001

- Improve overall performance to cut energy consumption and costs
- Identify and manage your future energy supply risks and budgets
- Reduce carbon emissions & demonstrate environmental credentials to increase tender opportunities
- Can be easily integrated into your existing ISO 14001 Environmental Management System
- One route to compliance for ESOS.



## Top Tips to Look Out For

- Scope - are you including transport? Many EnMS don't, but it is required under ESOS.
- Get data for all energy uses. Calculating it using a single metric (eg kWh) allows comparison.
- It is good to get staff involvement in the Energy Review to identify savings opportunities, especially for complicated sites & processes.
- Procurement & design issues must be addressed, including how you communicate with suppliers.
- Integrate the Management Review and audits with your existing Environmental Management System.

## ESOS

An EnMS certified to ISO 50001 which covers all company operations and energy use, is one route to compliance under ESOS, though you must still notify the Environment Agency. The next deadline is December 2019 - but it takes time to get the EnMS in place so **don't leave it too long**.

## About ESHCon - Anya Ledwith (CEnv)

I am an experienced business adviser and auditor, with over 20 years of leadership in the field of environmental management. A Chartered Environmentalist, a Registered Environmental Auditor & a Lead ESOS Assessor, it is *my mission is to make environmental management the business norm*. With expert advice and a pragmatic approach, I make it easy for clients to find improvements and see the commercial benefit. Away from work, I am the Chairman of Gatwick Diamond Business and volunteer for the Sussex Community Foundation. For adventure, I rode a classic motorcycle across the Himalayas.

## Do Get in Touch to discuss your needs & find out how I can help



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