Blackmores

An Introduction to ISO 50001

Mel Blackmore

PERRY JOHNSON REGISTRATIONS LTD.
Your Partner For Quality Certification

www.blackmoresuk.com

Our experience

Leaders in ISO

We are leaders in our field, demonstrate a 100% success rate for certification to Risk, Sustainability, and Quality Standards over the last 17 years.

Over 600 Companies

At Blackmores we've worked with over 600 companies

20 Standards

We implement 20 ISO Standards covering Quality, Risk and Sustainability

27 Countries

Our credentials

As leaders in our field, we've established a commanding reputation for changing the face of how ISO standards are implemented in the UK and overseas.

- Founders of **isology®** - 7 steps to implement any ISO Standard and the **isologyhub**
- Founders of the **ISO Show** Podcast
- 100% success rate
- We consistently have the highest NPS rating in our profession
- Qualified Lead Auditors to IRCA Standards (International Register of Certified Auditors).

Join us on 11th July for the 'How to Implement ISO 50001' webinar!

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The isologyhub

The isology hub is the leading place for businesses to learn how to achieve ISO Standards – and get gameplans for raising their game.

It’s packed with in-depth, practical training and resources on all aspects of planning, creating and managing a successful ISO system.

So what’s included?

- Training
- Templates, processes and checklists
- Gameplans
- Coffee Break Training
- Live Q&A’s

Our Clients


Affinion International
Air Business
DTI
The Salvation Army
Kingsley Napley
Equinix
NHS
XPS Pensions Group
Riskex
Virtus Data Centres
Battersea Dogs & Cats Home
Morgan Sindall Group
dotdigital
RMG Networks
modern networks
Wembley Connected by EE
Penningtons Manches Cooper
exponential-e Applied Innovation
Generali
EMCOR UK
brandfuel
Heineken
Lloyds Banking Group
Mercer
Edgar Taylor
wiggle
The Brewery
semafone secure voice transactions
Abu Dhabi Police G.H.Q Police Attache -London
British Airways
greateranglia
MARIS
ISG
Leading the fight against dementia Alzheimer's Society
Willmott Dixon
LUMEN
informa
orlight FROM SOURCE TO SITE
CAUSEWAY software for the built environment

Why have an Energy Management Standard?

- We are facing a global climate emergency – action is needed now.
- Energy Management is particularly relevant for organisations who want to measure their impact and put measures in place to reduce their environmental footprint.
- Provides a global standardised ‘Best Practise’ approach.

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What is ISO 50001?

What is ISO 50001?

ISO 50001 is a best practice framework to help organisations to improve their energy performance and energy efficiency, thus, reducing their energy consumption and carbon footprint.

Building an energy management system will help you to understand, monitor and measure your use of energy, and like most other ISO's, continual improvement is at the heart of ISO 50001.

Key factors it addresses are energy performance, energy efficiency and energy consumption.

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What are the main clauses of ISO 50001?

ISO 50001 went through it's latest revision in 2018, aligning it with the Annex SL format that many other ISO's use. The clauses are as follows:

- Clauses 1, 2 and 3 – Explanatory clauses
- Clause 4 – Context of the Organisation
- Clause 5 – Leadership
- Clause 6 – Planning
- Clause 7 – Support
- Clause 8 – Operation
- Clause 9 – Performance Evaluation
- Clause 10 – Improvement

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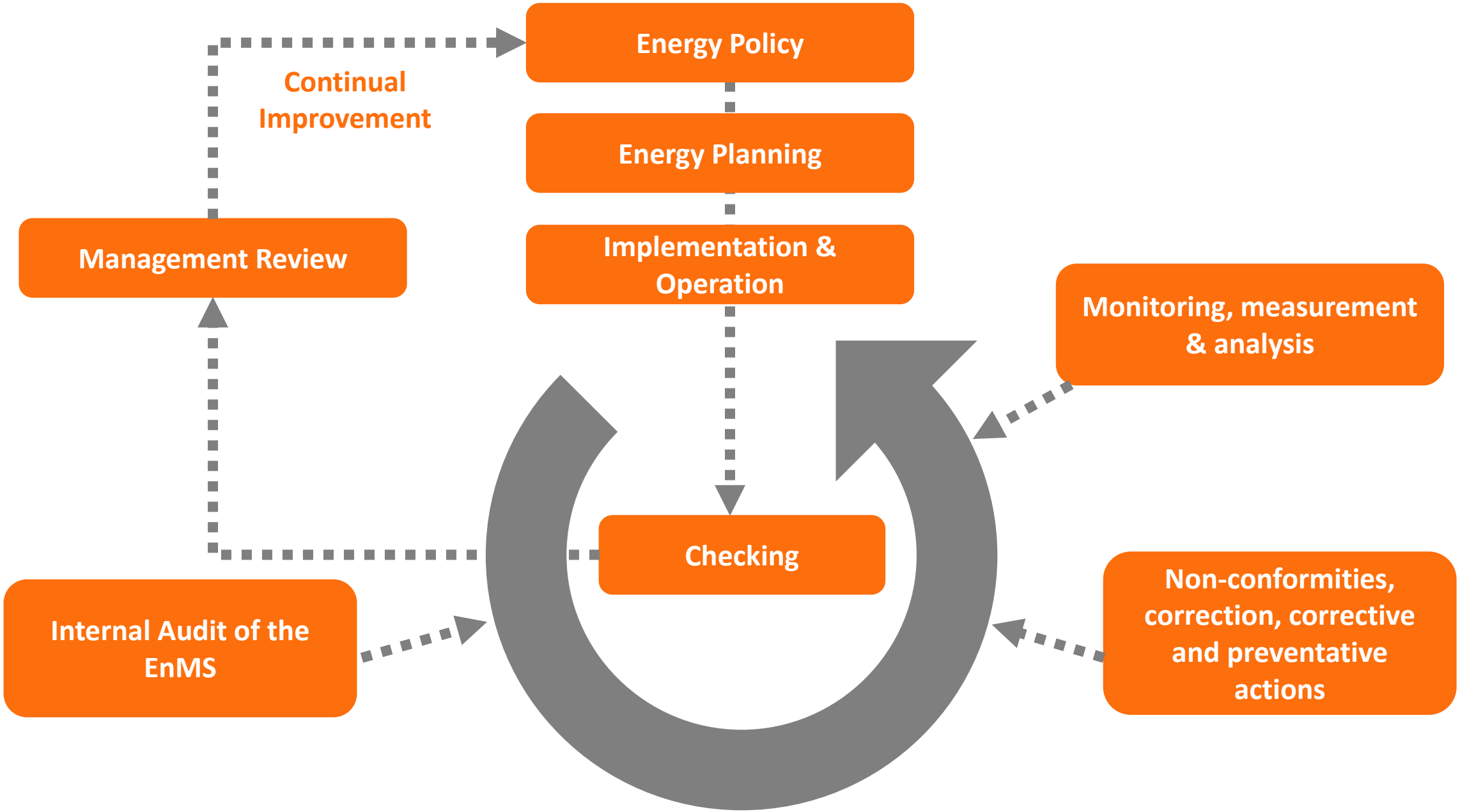
EnMS Model


Energy Policy
Energy Planning
Implementation & Operation
Checking
Management Review
Continual Improvement
Internal Audit of the EnMS
Monitoring, measurement & analysis
Non-conformities, correction, corrective and preventative actions

Half way there with ISO 14001

- Many organisations will already be partially compliant.
- Those companies certified to ISO 14001 will already be 50% compliant to meeting the requirements of ISO 50001.
- Those certified to a UKAS accredited standard i.e. ISO 9001, ISO 27001 will be at least 30% compliant.

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What are the benefits of ISO 50001?

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- Applies to organisations of all sizes across all sectors
- Cost savings
- Helps to achieve energy efficiency & compliance
- Reduces environmental impact – Carbon & GHG (Complements ISO 14001)
- Helps with co-ordination of energy programs (Energy Efficiency, Energy Production, Renewable Energy and Alternative Energy)
- Facilitates external financial incentives (Electric utility, third party financing, tax benefits and others)

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What are the benefits of ISO 50001?

Aids with ESOS compliance in Europe

Positive reputation in the eyes of stakeholders and clients

Stay ahead by incorporating new energy-efficient technology.

It will keep you on track to meet your objectives. Allows you to monitor and measure performance to continually improve.

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What is ESOS?

- The Energy Saving Opportunity Scheme (ESOS) launched for consultation by the Department of Energy and Climate Change (DECC) in July 2013

- This scheme is a mandatory energy assessment and energy savings identification scheme for ‘Large Enterprises’

You will qualify for ESOS if you fit the following criteria:

- Have more than 250 employees and / or
- And /or has an annual turnover in excess of £44million and an annual balance sheet total in excess of £38million.

This only applies to the private sector – the public sector is exempt.

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ESOS and ISO 50001

There are 2 routes to compliance:

- Conduct Energy / ESOS Audits
- Implement ISO 50001

Energy Audits involve collecting data, compiling an Evidence Pack and getting final sign-off before submitting it to the Environment Agency. This is a process that has to be repeated every 4 years.

Implementing ISO 50001 will negate the need to repeat that process as your Management System will already go above and beyond ESOS's requirements.

Note: The Phase 3 deadline has been extended to **5 June 2024.** There are also a few additional requirements this time round, including a change to the de minimis allowance and requirement for a more detailed, time-bound plan of implementation of recommended measures

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ISO 50001 in practice

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Facts and figures / Examples

The implementation of an Energy Management System (EnMS) at Toyota South Africa resulted in a **reduction in electricity usage which has translated into cost-savings of more than R4.8 million (Over £210,000!) over a two-year period**. The company also generated energy savings of GWh 8.15 across its 14 plants, and reduced its GHG emissions by 7,804 tons.

Bentley implemented ISO50001:2011, Energy management systems and reduces energy usage by two-thirds for each car produced. Bentley has been able to establish sophisticated energy monitoring systems, target areas of energy fissures, and create strategies for improvement in areas covering the use of their boiler and compressed air systems, technology, heating and lighting, insulation, and more efficient variable speed drives on new cars. **As a result, Bentley reduced energy usage by two-thirds for each car produced and by 14% overall for the entire plant, delivering savings of 230 GWh of energy – enough to power 11,500 houses for a year.**

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Facts and figures / Examples

HITACHI

Following the Japanese earthquake disaster in 2011, Hitachi decided to introduce “the smart next-generation factory plan”. As well as business continuity planning, this would also involve greater energy efficiency. They recognised that accredited certification to ISO 50001 would support this work. **Following implementation, the plant reduced 23 % of the contract electricity, 15 % of CO2 emissions and 5 million yen/month of electricity costs.**

IBM

IBM plant cuts energy consumption by 9.2% and saves CAD$550,000 per year. The plant averaged an annual reduction in total energy use of more than 8% between 2004 and 2013 – almost double the corporate IBM goal of a 4% reduction in annual energy consumption of electricity and natural gas.

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Facts and figures / Examples

One of the world's largest hotel chains, Hilton was the first global hospitality company to achieve portfolio-wide certification to ISO 50001. The savings have been significant, reducing Hilton's energy intensity by 20.6% and its carbon intensity by 30.0% from a 2008 baseline

The company adopted ISO 50001 certification in order to maximise energy performance. Following the certification, the business' energy performance increased by 10.5%, with savings totalling £26,509 over 3 years.

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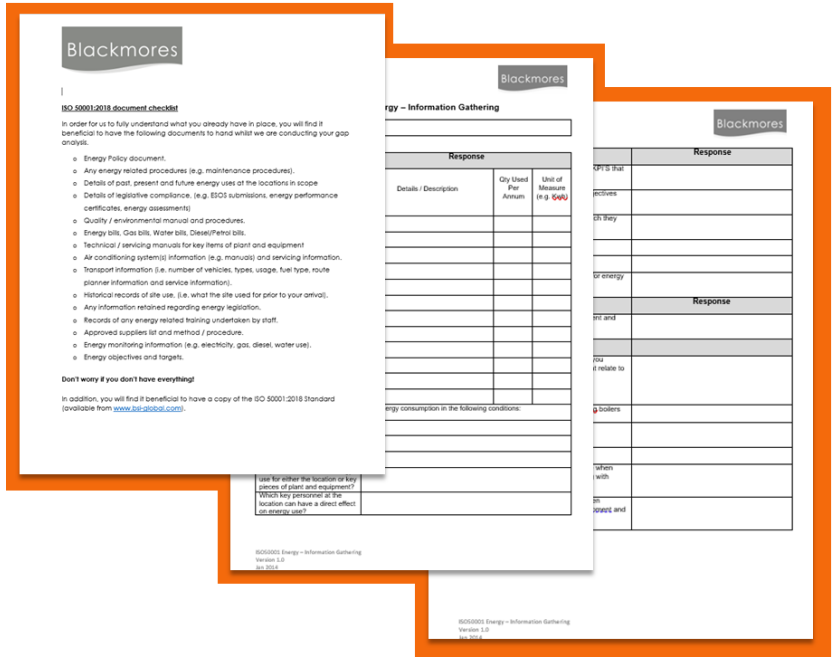
To help you get started…

To help you get a head start on your energy management journey , we are giving access to some FREE resources from the isology hub…

- Energy Data Collection Plan Template
- Energy Information Gathering questionnaire
- ISO 50001 Document Checklist



Special offer

6 months **FREE** access to the isologyhub if you sign-up with Blackmores to Implement ISO 50001 by the **21st July 2023**

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Questions

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