

ISO 50001:2018 Energy Management Systems

The purpose of the ISO 50001:2018 Energy Management Systems (EnMS) is to provide a structured best practice framework for organisations to develop a systematic approach to energy performance, procurement and usage based on the Plan – Do – Check - Act principle. The main objective of ISO 50001:2018 is to continually improve the organisation's energy efficiency and the EnMS. The ISO 50001:2018 EnMS follows the 'High Level Structure' (HLS) seen across the reiterations of many common management system standards ensuring similarly that it applies the risk and processed based approach.

Integration

The ISO 50001:2018 is easily integrated into the following 'corner stone' management systems (amongst others):

ISO 9001	Quality Management Systems.
ISO 14001	Environmental Management Systems.
ISO 45001	Health & Safety Management Systems.
ISO 27001	Information Security Management Systems.
ISO 22301	Business Continuity Management Systems.

A UKAS certified ISO 50001:2018 management system is an accepted route to compliance for the Energy Savings Opportunity Scheme (ESOS).



Benefits

Provides a clear view of energy flow within the organisation;

Reduces energy consumption and costs;

Enables continuous and measured forecasting of potential cost savings;

Reduces pollutant emissions and enables resource protection;

Ensures compliance with legal requirements and regulations over emissions;

Realises tax benefits, if any;

Improves company image and reputation; and

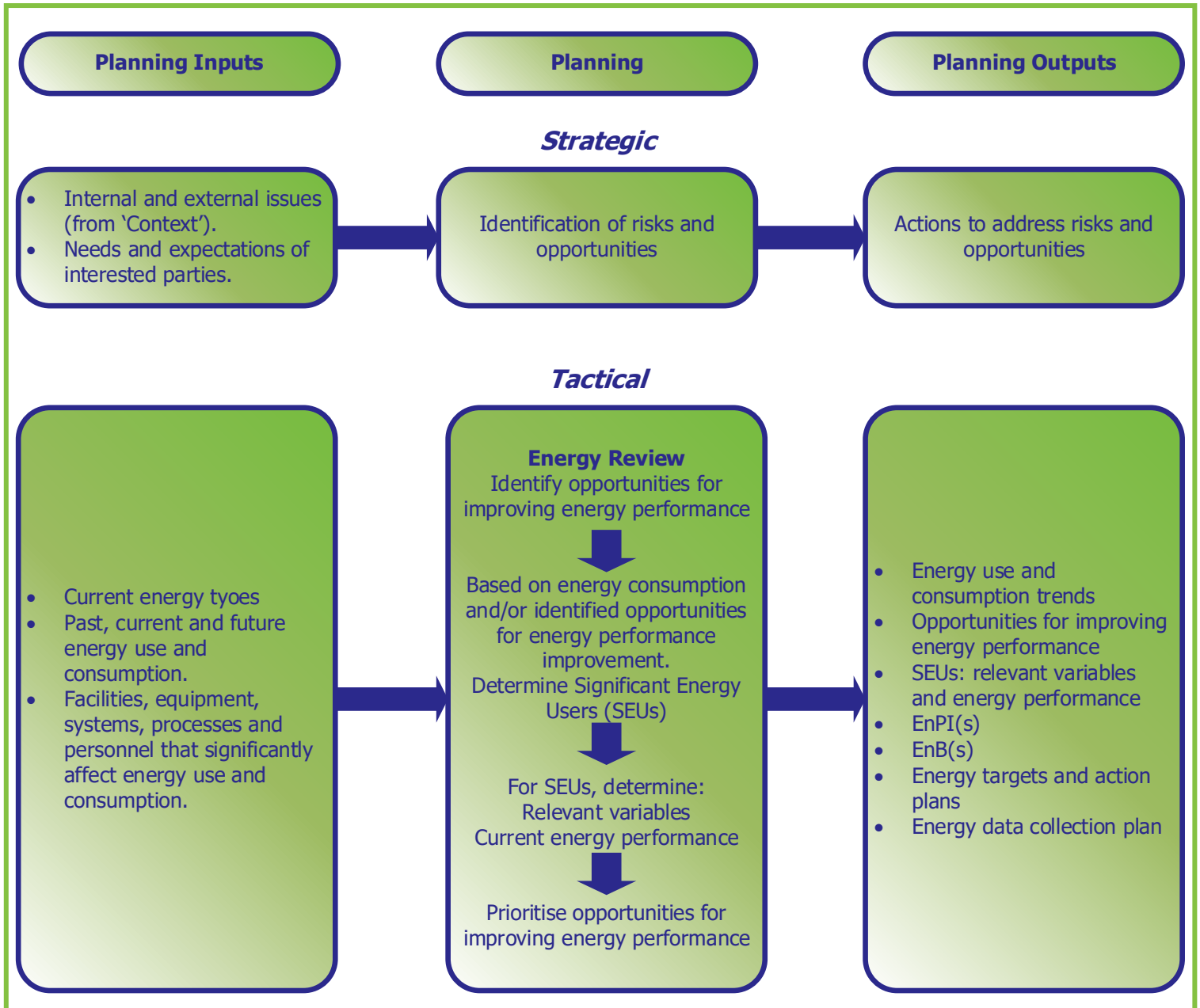
Gives a competitive edge when tendering for contracts.

Core Elements

- **Context** - This covers the scope; boundaries of the EnMS; and the needs and expectation of interested parties.
- **Legal & Other Compliance** - The processes applied to identify and ensure compliance with legal and other requirements.
- **Leadership & Commitment** - The processes to demonstrate and ensure management commitment include the assigned roles and responsibilities; management review; and the energy policy requirements.
- **Energy Review** - The processes and documents enabling the effective measurement, development and analysis of the energy review; determination of the energy baseline; Energy Performance Indicators (EnPIs); and energy monitoring and planning against the determined baseline (EnB).
- **Risks, Opportunities, Objectives & Targets** - The processes and documents applied to identify risks, opportunities, objectives and targets and plan to redress or achieve them.
- **Communication, Competence, Training & Awareness** - The processes to ensure competence and awareness including effective training and communication of those who affect the EnMS.
- **Operational Controls** - Ensuring operational control, monitoring, measurement and maintenance.
- **Design & Procurement** - The processes and documents enabling design of new, modified and renovated facilities, equipment, systems and processes including the purchase of energy-efficient products and services that can have a significant impact on energy performance.
- **Internal Audit & Non-Conformity Redress** - The processes and documents enabling the effective internal audit, identification and management of non-conformance.
- **EnMS Required Documents, Records & Control** - The documentation including records required by the standard and for ongoing, effective management.

Core Elements

The ISO 50001:2018 is available to buy from [BS EN ISO 50001:2018 - TC | 31 Aug 2018 | BSI Knowledge \(bsigroup.com\)](https://www.bsigroup.com)



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