



Energy Audit

TECHNICAL ASSESSMENT OF ENERGY CONSUMPTION IN PRODUCTION PROCESSES

KEY WORDS

ENERGY AUDIT,
ENERGY EFFICIENCY,
ENERGY

DESCRIPTION

This service focuses on the technical evaluation of the energy performance of facilities, production processes, and support systems. An energy audit characterizes consumption patterns, identifies significant energy uses, and detects opportunities for energy efficiency improvements. The service is based on the analysis of operational data, energy balances, and the evaluation of equipment and processes, considering technical, operational, and sustainability criteria.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Application of ISO 50001 principles to energy management systems
- Identification of significant energy uses (USE) (ISO 50001)
- Establishment of energy baselines (EnB) (ISO 50001)
- Definition and analysis of energy performance indicators (EnPIs) (ISO 50001)
- Evaluation of opportunities for improvement in energy performance

APPLICATIONS

- Energy audit of industrial facilities
- Energy performance assessment of production processes
- Identifying energy efficiency opportunities
- Technical support for energy management plans
- Energy analysis in innovation and sustainability projects

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