



Energy Auditing and Assessments (Electrical and Thermal)

Technology Overview

An energy audit is an inspection, survey and analysis of energy flows for identification of energy saving opportunities in a building, process or system to reduce the amount of energy input into the system, without negatively affecting the output(s). Energy audits provide information about current consumption and reveals energy saving potential. Also, energy audits help in prioritizing actions against energy use. Improving energy efficiency will produce a better building with comfortable working environment, more satisfaction and improved productivity. There is a possibility of saving 5- 10% of the energy expenditure by implementing improved energy-use behavior.

Potential Application

An Energy audit or an assessment can be conducted for any kind of building, process or system since almost all are consuming thermal or electrical energy as a power source.

Advantages

- Energy cost reduction.
- Preventive maintenance.
- Quality control programs.
- Waste prevention and reduction.
- Compliance with regulatory requirements.
- Option for adoption energy conservation technologies.
- Profit maximization.

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