



**ISO 50002-3**

**Energy audits —**

**Part 3:  
Guidance for conducting an  
energy audit using ISO 50002-1 in  
processes**

*Audits énergétiques —*

*Partie 3: Recommandations pour la conduite d'un audit  
énergétique selon l'ISO 50002-1 dans des processus*

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An energy audit can help an organization identify opportunities to improve energy performance. It can be part of a site-wide energy management system (EnMS). This document provides guidance for conducting an ISO 50002-1-based energy audit of processes.

There are many types of processes in industry and commerce. In general, energy is used:

- directly by a process (e.g. furnaces, direct fired dryers);
- indirectly by a process (e.g. heat exchange, distillation, extrusion), including the specific conditions of production (e.g. start-up, shut-down, product change over, cleaning, maintenance, laboratory and product transfer);
- directly by a commercial organization, (e.g. meal preparation process, TV broadcasting process, data centre process, coffee roasting);
- utility processes (e.g. motor driven systems (fans, pumps, motors, compressors, etc.), steam, hot water), including on-site power plants;
- product or service changeover, (e.g. change of production feed or production quality, start-up, shut down, cleaning-in-place, sterilization);
- other processes (e.g. sterilization in hospitals, fume cupboards, laboratories).

The energy audits covered by this document may be independent from energy performance certification.