Energy Controller ECO supports the introduction of an energy management system in accordance with DIN EN ISO 50001. This system records and identifies the necessary key energy and performance data required in order to realize energy goals, as well as to prepare, analyze and document them.

**Energy Controller ECO**

Energy Controller ECO is a modern software system solution developed for industrial use in power and media-intensive industries. The transparent presentation of energy flows to analyze current and past energy use and consumption are therefore a particular focus.

All energy-relevant plants and processes are visualized to enable easy energy analysis and create transparency. The architecture of the energy management software permits scalable expansion to an enterprise-wide energy management system, including planning and optimization of energy procurement.

Energy Controller ECO works as a stand-alone system, but is also the preferred energy management system for ABB’s process control systems 800xA and Freelance. It can be connected directly and is very easy to integrate because it uses the same data. All relevant information in the process is automatically recorded and made available in prepared form, making efficient energy management possible.

**Functions**

- Records measurements and calculates consumption, operations, aggregate, production, and status data
- Prepares information on degrees of utilization, performance data and plant characteristics
- Dashboard for visualizing energy flows and key performance indicators (KPIs) in real time
- Transparency by allocating energy costs to the cost centers and orders where they originated
- Energy reporting system and media reporting
- Alarm management system
- Event-based energy and plant shift book

**Benefits**

- Seamless integration into existing infrastructure
- Relevant energy data and KPIs at a glance (energy costs per quantity produced)
- Support for DIN EN ISO 50001 certification
- Simple analysis and report creation in a familiar software environment (Dashboard & Excel)
- Detection and proof of savings potential
- Comprehensive visualization library for monitoring, goal-setting, and analysis purposes
- Solution including on-site commissioning and modular expansion through to a comprehensive forecast and optimization system for business management and energy commerce
- Flexible expansion by the user
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