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Energy efficiency analysis

Improve the productivity and efficiency of your buildings and facilities with lasting impact.

It is well-known that the field of energy efficiency holds a tremendous energy saving potential. A thorough analysis of plant and building data can identify and evaluate potential energy savings. By implementing the appropriate measures, you can save as much as 30 percent of the energy used by buildings and infrastructure.

Background

Companies continue to face enormous cost pressures. In addition, new energy policy requirements must be met, and the public and customers expect companies to operate sustainably. Reducing energy use and increasing the energy efficiency of systems and processes is becoming more and more important.

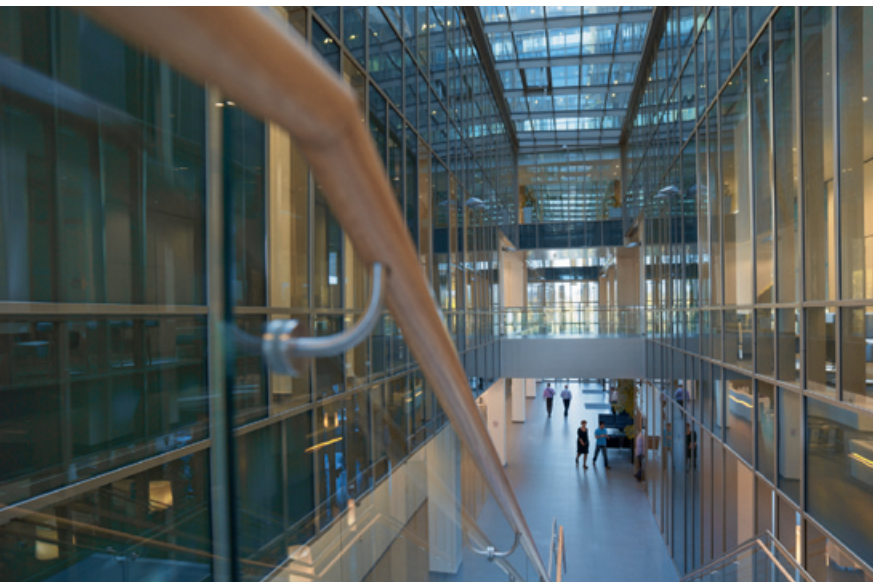
Many companies have inadequate transparency when it comes to energy data and do not know how energy costs are distributed in their company and which building accounts for how much. However, this transparency in processes and consumption is the foundation for identifying the key levers for energy savings – and estimating their scope and impact. Only then you can develop and define concrete measures and improve the energy efficiency of buildings and infrastructures.

The challenge

In an age of global competition, it is becoming more difficult for companies to maintain their competitive advantage. High productivity and system uptime are therefore essential. And because a considerable amount of the production costs are energy-related, energy efficiency is moving center stage.

Constant attention is necessary to ensure energy costs remain transparent. Decision-makers should always know which options for saving energy are currently available and whether they can be implemented in the building or infrastructure.

This distracts from the company's actual core business. In addition, resources or technical knowledge are often lacking so that excellent investment opportunities for savings remain untapped.



Our offering

Siemens offers energy efficiency analysis services for current or planned facilities and buildings. We help you meet all the technical and non-technical challenges along the entire energy chain. You benefit from our more than 20 years of consulting experience and the experience we gained from the energy efficiency projects we implemented in our own plants.

We examine the energy demand and energy efficiency of your current or new facilities holistically – from supply to consumption, including all auxiliary systems, subsystems and energy sources.

We proceed in three steps:

- Analysis – In the analysis stage, we conduct an energy audit to identify and assess potential savings. In a catalog of measures, we list and quantify all saving opportunities.
- Concept – In the next step, we create an energy concept that includes a detailed calculation of all the measures that make sense technically and financially. If needed, we also develop an optimized energy supply concept.

- Implementation – Following the assessment, we help you implement the saving measures to ensure their success – if desired, on a performance basis.

Your benefits

We help you sustainably improve the productivity and efficiency of your buildings and plants.

Our past experience has shown that energy savings cuts of as much as 30 percent can be achieved, depending on the age and type of building or plant.

In addition to lower costs from energy savings, you benefit from more transparent energy consumption, which makes it easier to comply with applicable laws and standards.

Highlights

- Transparent energy data as basis for decisions
- Identification of energy saving potentials
- Implementation of energy-efficient measures to sustainably reduce your energy costs