



Initial situation

The analysis of the energy infrastructure and possible measures for energy efficiency increase of manufacturing companies requires an acquisition of essential data and parameters. In many cases, there is a lack of necessary values, which then have to be collected by means of time-consuming analysis or exemplary measurements. Using current energy monitoring systems, only energy data is displayed over time. The significance of the data is very small. A connection to the main factors of production is entirely absent. The energy monitoring system of Limón detects and connects relevant energy and production data to increase the transparency of energy and process-related operations.

Principle

Opposed to conventional energy monitoring systems, é.VISOR offers, in addition to the display of the energy demand, also an evaluation of the energy efficiency. Thus, a combination of energy and production data, a con-

sequent early warning system for the detection of errors and a customized determination of key figures and ratios is possible.

Benefit

With an energy monitoring system that is adjusted to the company's needs, the energy management is simplified and customized for every relevant employee. Visualizations of existing plants and processes demonstrate the flows of energy and materials. Especially savings of energy and costs as well as measures for the energy efficiency increase are identified. The connection to production data allows for a user-based analysis and a fast detection of errors.

- Fast detection of errors
- Evaluation of energy efficiency
- Minimization of expenditure of time
- Basis of data for energy efficiency analysis
- Easy implementation

