



ENTERPRISE BUSINESS SOLUTIONS

CONGIV delivers latest energy management - demonstrably sustainable, clearly more efficient

16 billion kilowatt hours were consumed by German data centres in 2020, according to industry association Bitkom. This is significantly more than the electricity consumption of the city of Berlin in the same period. Energy management systems are therefore gaining a great deal of attention, especially with regard to increasing industrial energy efficiency. It shows that companies can reduce their energy consumption by up to 10% in the first few years with the help of energy management systems. This leads to falling monthly energy costs, so that these systems are worthwhile not only in ecological but also in economic terms.

Companies that want to plan, build, operate and ultimately certify their data centre on the basis of DIN EN 50600 can no longer avoid using an energy management system, because DIN EN 50600 Part 4 requires that energy efficiency be monitored and that the entire technical system (climate, electricity) can be controlled.

CONGIV GmbH can help you here with a lot of experience in the implementation – we are at your disposal!

Our solution includes the following modules:

With our energy management, we ensure reliable recording, consolidation, visualisation and evaluation of all energy-related values. The system offers the user clear monitoring, systematic analysis and business intelligence.

For this purpose, all relevant energy values and KPIs are recorded and displayed in the form of a cockpit, both at the micro and macro level, irrespective of the manufacturer. The recorded values are the enabler for targeted and sustainable action. The energy management system provides evidence of the use of renewable energies (REF) as well as the use of waste heat (ERF). In addition, it is an indicator for the efficiency level of the overall system (electricity consumption IT to total electricity: PuE) and provides information on the efficiency of cooling generation and distribution. Our energy management system is based on our software "CYCLE" and is a process solution that focuses on customer requirements rather than the product. "CYCLE" relies on scalable and flexible modules.

We digitise the requirements into modular e2e processes to provide permanent transparency for all parties involved. This enables decisions to be made quickly and based on facts and, if necessary, to keep escalation paths short.

Example of innovative energy cockpits

Only with the help of EMS was it possible to observe and perfectly adjust the behaviour of the complex cooling system. Without this, the adaptation could have taken much longer and probably ended without a positive outcome.



Added value of digital energy management

- Detailed energy analyses create transparency about energy use and all energy flows in the company. The structured approach of the standard brings noticeable cost savings for the company.
- e2e processes can be mapped, scalable to other properties, reduction of process costs
- Permanent transparency of all energy values for efficient control
- Safety and transparency in energy processes, early warning system through alert generation
- Optimisation of energy consumption and costs

We are also happy to implement your projects with our experienced and highly qualified employees successfully!

CONGIV is part of ROBUR

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As part of ROBUR, CONGIV offers even more: Approximately 3,000 colleagues work worldwide in the industry segments wind, water, energy and process industry. As a competent partner to our customers, they create integrated solutions ranging from planning and implementation to installation, operation and maintenance, relocation and dismantling. In this way, they support our customers in meeting the challenges of digital transformation and ecological change in industry.