

ENERGY & CO₂ SAVINGS IN YOUR HAND



C-ENERGY

As well as striving to increase productivity, manufacturing companies are increasingly focusing on enhancing sustainability.

Business objectives include improving energy and resource efficiency to reduce CO₂ emissions. Investing in sustainability strategies not only has economic benefits, but also strengthens a company's own competitiveness, as many customers expect appropriate management to minimize the environmental footprint.

Intelligent ARTIS monitoring solutions for industry now also support these requirements for resource-saving production in the area of energy management:

- Energy data acquisition from machines and plants
- Analysis of deviations
- Avoidance of unnecessary energy consumption
- Implementing planned efficiency improvements

C-ENERGY systems can significantly reduce production costs. The ARTIS solution is ideal for supporting the energy audit as part of the promoted management system according to ISO 50001.

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FACTORY 4.0

Software to create a factory energy management system

CASE STORY: HEISMANN Drehtechnik

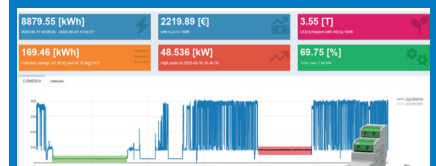
Identified energy savings potential and successfully implemented optimizations

HEISMANN Drehtechnik is certified according to ISO50001:2018 and firmly believes in the importance of a conscious use of energy as a decisive way to protect our environment.

Reducing energy consumption also means reducing operating costs and thus strengthening long-term competitiveness. Rising energy costs and government subsidies are the best conditions to invest in this area now. HEISMANN is convinced that the first step towards systematic optimization is measurement and analysis.



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A solution consisting of hardware and software

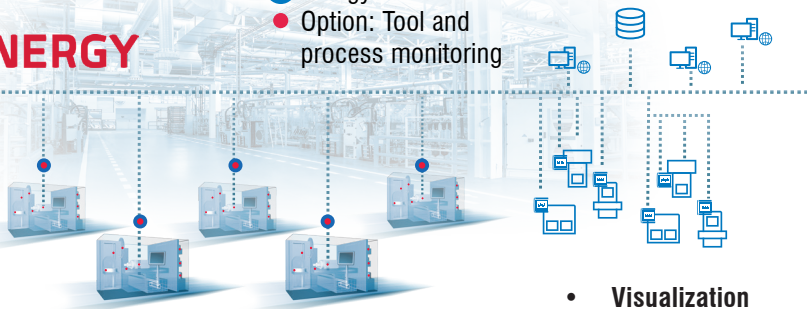


The software module is part of the **C-THRU4.0** Smart Factory 4.0 family.

- Simple integration
- Intuitive operation
- Web-based with remote access
- Scalable and configurable
- Interfaces to higher-level systems
- Storage and visualization
- Transparency
- Identification of savings potentials
- Reduce energy operating costs
- Support for ISO 50001 certification
- Continuous optimization
- Evaluate deviations quickly
- Decision making and forecasts

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- Energy data transmission
- Option: Tool and process monitoring



- Visualization
- Analysis
- Reporting

Sustainability at HEISMANN Drehtechnik

Energy consumption data is collected at HEISMANN on an INDEX multispindle machine. All machines are already equipped with tool and process monitoring. In addition, cleaning systems are integrated into the data collection.

With the help of the software **C-ENERGY**, various energy saving potentials have already been identified and measures have been implemented successfully. A recent example is the precise analysis of machine downtime, where shutting down the hydraulics and then rebuilding the system pressure is more energy efficient than maintaining the pressure.

In any case, it is clear that HEISMANN will continue to expand its possibilities for automated recording and analysis of process data. As a leading supplier of sensor technology, Marposs is the ideal partner to ensure expandability and future viability. The next goal on the way to optimal energy management is the integration of central cooling.

Looking for more information about Marposs or HEISMANN Drehtechnik? Scan the following QR codes:



www.heismann.de



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