

**09.01.2025**

## **all about automation: econ solutions presents solutions for reducing energy costs and meeting legal requirements (Stand F-406)**

**At all about automation (25-26.02.2025, Friedrichshafen), econ solutions will be showcasing its solutions for operational energy management at stand F-406. They enable efficient and sustainable production, allowing companies to significantly reduce their energy costs and meet requirements such as the Energy Efficiency Act or the CSRD.**

As one of the leading solutions for operational energy management in accordance with ISO 50001, the **econ4 energy management software** creates transparency regarding the consumption of electricity, gas, heat, compressed air and water/waste water. The strength of econ4 lies in its large number of interfaces, with which data from software (MDE/BDE, ERP systems, etc.) and hardware (electricity meters, sensors, etc.) can be integrated regardless of the manufacturer. Automatically generated key figures and a wide range of reports provide customers with the transparency they need to reduce energy consumption and costs in a targeted and sustainable manner. The econ4 software is eligible for various subsidy programs.

The integrated ISO 50001 assistant guides you safely through the implementation of standard-compliant energy management. CO<sub>2</sub> reports from econ4 make the company's CO<sub>2</sub> footprint visible and facilitate sustainability reporting. A new feature is support for profitability calculations in accordance with ValERI (Valuation of Energy Related Investments). This is the basis for the implementation of efficiency and decarbonization measures required by law or eligible for subsidies.

To minimize grid charges, the **intelligent, dynamic peak and charging load management system econ peak** monitors the company's power consumption and dynamically controls machines and devices, charging points, energy generation and storage systems according to the consumption

situation. The control system can be adapted precisely to the company's individual situation and requirements, e.g. by means of complex timers or logics, also taking into account fixed or dynamic high and low tariff times.

The **econ flow compressed air sensor and the UltraCam LD 500 leak detector** enable greater efficiency in the field of compressed air. The powerful econ flow sensor measures compressed air and technical gases precisely and reliably. It can be integrated into existing infrastructures according to the plug & play principle. With the UltraCam LD 500 leak detector, leaks in the compressed air network are detected quickly and can therefore be rectified promptly. Equipped with 30 MEMS microphones, it calculates and visualizes ultrasonic images of compressed air leaks and displays the leakage rate in real time, including potential savings in euros per year. It therefore offers significant time savings compared to conventional leak detectors. The data from the econ flow and the leak detector can be imported into the econ4 energy management software for visualization and further processing.

**About econ solutions** (<https://www.econ-solutions.de/en>)

econ solutions offers solutions for effective operational energy management. The open plug & play software and hardware is flexibly scalable and can work independently or integrate existing hardware and systems from other manufacturers. Services include integration and customizing, system dimensioning and planning, commissioning, software maintenance as well as training and workshops. More than 600 companies rely on the econ software solution, including Aptar, BASF, Bergi Plast, Continental, the HÜBNER Group, ebm-papst, Fried Kunststofftechnik, EDILTEC, TRUMPF Werkzeugmaschinen, Unilever and ZF TRW.

econ solutions GmbH, based in Munich with branches in Berlin, Freiburg, Mühlhausen and Meiningen, was founded in 2010 and has been part of the Mannheim-based MVV Energie AG Group ([www.mvv.de](http://www.mvv.de)) since 2017. Thanks to the close cooperation with 20 companies in the MVV partner network, customers have access to specialists for every energy issue.

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