

15.07.2024

Fakuma: econ solutions presents comprehensive portfolio for energy management and energy efficiency at ProSes stand A1-1401

At Fakuma, econ solutions will be co-exhibiting at the ProSes stand in Hall A1, Stand 1401, showing how companies can implement modern energy management and sustainably optimize their energy efficiency. Fakuma takes place from 15-19.10.2024 in Friedrichshafen.

The energy management software econ4 is one of the leading solutions for operational energy management. Via an API interface to ProSes, companies can transfer operating and machine data to ProSes and consumption data from their machines to econ4 in both directions and use it for a variety of evaluations and the creation of key figures. Other data sources (MDE/PDA, ERP systems, etc.) and hardware (electricity meters, sensors, etc.) can also be integrated into econ4 regardless of the manufacturer. In this way, insights can be gained to maximize the energy and cost efficiency of manufacturing processes in a targeted manner. In addition to standard reports, econ4 also provides special reports as well as cost and CO2 reports for controlling and sustainability reporting. A new feature is support for profitability calculations in accordance with ValERI (Valuation of Energy Related Investments), which has been defined as the basis for the mandatory or eligible implementation of efficiency and decarbonization measures.

To minimize energy costs, make optimum use of self-generated energy and ensure supply and operational reliability, the econ peak enables intelligent, dynamic peak and charging load management. It constantly monitors the company's power consumption and dynamically controls machines and devices, charging points, energy generation and storage systems based on the consumption situation. The control system can be adapted precisely to the individual situation and requirements of the company, e.g. on the basis of complex timers or logics, taking into account high and low tariff times with fixed or dynamic times if required.

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 using the plug & play principle and the measurement data can be conveniently evaluated in the econ4 energy management software. 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 with the potential savings in euros/year in real time. It therefore offers significant time savings compared to conventional leak detectors. The recorded leakages can be imported directly into the econ4 energy management software via an import interface. Here, a measure can be created for each leakage and assigned to maintenance for rectification.

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) 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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