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Swiss participation in European laboratory for energy-efficient building planning

The international SAUTER Group from Basel is participating in the EU-financed research project “eeEmbedded” as an industry partner. Together with 14 research institutes and companies from eight countries, SAUTER is testing holistic models and innovative processes to provide better support for the planning of energy-efficient buildings.

SAUTER, the solution provider for building automation technology based in Basel, is the sole Swiss partner in the international “eeEmbedded” research project. The consortium of 15 research institutes, software producers and building planners behind the project aim to improve the simulation of the energy efficiency of buildings and support the planning thereof with new, comprehensive models. Among other things, the project partners are setting up a virtual laboratory in which the experts in all of the disciplines involved will collaborate in analysing and optimising the energy profiles of future premises. Together with the other partners, SAUTER will be validating the conclusions of the research project in real test buildings.

With its unparalleled practical experience in the control, measurement and evaluation of the energy efficiency of buildings, SAUTER is an ideal partner for this European research undertaking. “Sophisticated models will provide both the planners and owners of premises with a better way of simulating the effect of the widest range of measures on energy efficiency,” says Dr. Walter Reithofer, Development Manager and Head of Technology at SAUTER. “The sooner these findings can be implemented in future planning, the greater the energy savings that will be possible over the entire life cycle of a building – from the design to the daily operation to the decommissioning.”

“eeEmbedded” is a four-year research project in the seventh framework programme of the EU Commission for European Research and Technological Development. The project has a budget of 11 million euro. Find out more about the project at www.eeembedded.eu.



As a leading provider of solutions for building automation technology in Green Buildings, SAUTER provides pleasant conditions and a sense of well-being in sustainable environments. SAUTER is a specialist in developing, producing and marketing products and systems for energy-efficient total solutions, and offers a comprehensive range of services to ensure the energy-optimised operation of buildings. Our products, solutions and services enable high energy efficiency throughout the entire life-cycle of a building, from planning and construction through to operation, in office and administrative buildings, research and educational facilities, hospitals, industrial buildings and laboratories, airports, leisure facilities, hotels and data centres. With over 100 years' experience and a track record of technological expertise, SAUTER is a proven system integrator that stands for continuous innovation and Swiss quality. SAUTER provides users and operators with an overview of energy flows and consumption, and of the development of the costs involved.

The SAUTER Group

- An international corporation with its headquarters in Basel, Switzerland
- Founded in 1910, it can rely on more than 100 years of tradition and experience
- With around 2,200 employees, it is present and active globally
- Complete building management solutions from a single source Focusing on maximum energy efficiency and sustainability
- Safeguarding investments and operational reliability throughout the life-cycle of a building
- Technology leader in the building automation and system integration sector
- Member of eu.bac, BACnet Interest Group (BIG-EU), BACnet International, EnOcean Alliance
- Impressive references at www.sauter-controls.com