Kieback&Peter

PRESS RELEASE

Mastering the heat transition with renewable energy sources: en:hybrid from Kieback&Peter is bringing sustainability and efficiency to buildings

Berlin, November 29, 2023. Kieback&Peter launches an innovative new product development: The en:hybrid solution forms part of the company's CO2 Reduction Roadmap (stage 5 “Developing a Technical Optimization Plan”). With it, Kieback&Peter is making another vital contribution to reducing CO2 emissions and providing greater sustainability in buildings.

en:hybrid is a system for integrating climate-neutral energy into a multivalent heating or cooling system. This package of solutions is thus another vital step in making the heat transition a success.

Significant energy savings with en:hybrid

In most buildings, the temperature is set by multiple heat or cold generators with a whole range of different technologies. This trend is gaining even more speed with the heat transition. Alongside conventional gas or oil burners, an ever increasing number of additional heat generators based on renewable energy are being used for heating.

“en:hybrid works proactively, using sensors to continuously monitor the entire system and making targeted control interventions to ensure that each connected generator is always operated at its own optimum operating point –in both existing systems and new installations,” explains Clemens Nonn Product Manager at Kieback&Peter.
Once in operation, the control system saves a considerable amount of energy, which can be maximized by optimizing the system hydraulics at the same time.

en:hybrid orchestrates hybrid systems

“Without the right control system, hybrid systems for heating or cooling are like a chaotic orchestra without a conductor – and the result is poor,” explains Clemens Nonn. “Peak load boilers start up unnecessarily often and wear out quickly, buffer storage systems are not charged at the optimal times, thus losing out on solar heat from solar thermal energy, for instance, while flow temperatures are kept unnecessarily high, wasting expensive primary energy and making the use of heat pumps more difficult.”

The holistic, manufacturer-neutral en:hybrid system controller creates order here, providing operation that is measurably more efficient at a comparatively low investment cost. Since weather forecasts can be incorporated into the control system as well, for instance, storage systems are only charged when there is a forecast demand.

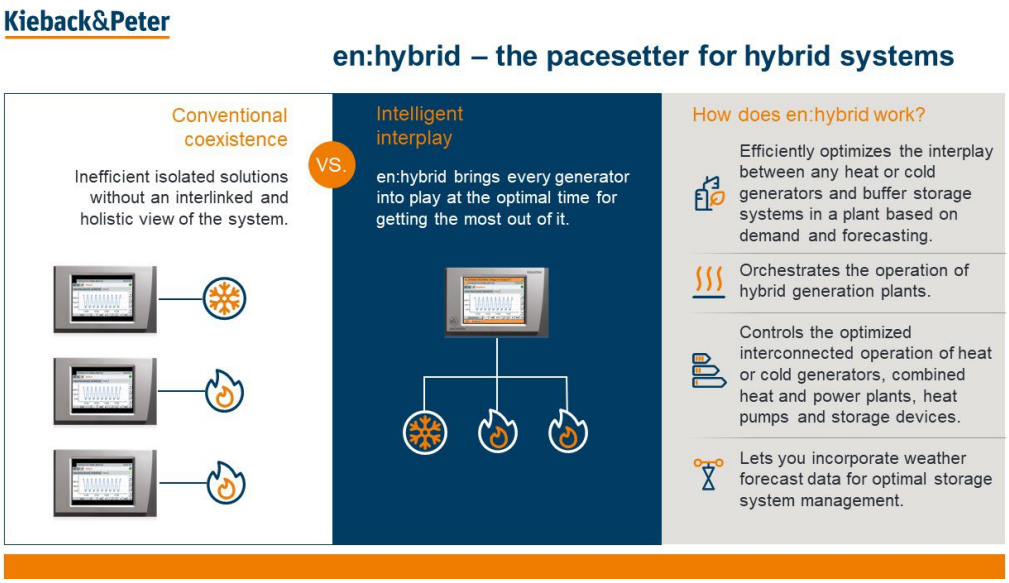
Making the heat transition efficient – with renewable energy sources

en:hybrid makes buildings ready for the heat transition – and allows you to meet the future legal standards of building automation level B in your central heating or cooling systems. Subsidies for multivalent systems are therefore available to private individuals, companies, local authorities and non-profit organizations.

Like all services from Kieback&Peter, en:hybrid offers users a comprehensive solution that constitutes a secure long-term investment. “Our automation experts analyze the existing plants, develop a tailor-made concept, provide an expert installation and ensure that the fine-tuned control system works flawlessly,” summarizes Kieback&Peter Managing Director Dipl.-Kfm. Christoph Paul Ritzkat. “Working with our customers, we provide sustainability through our intelligent building technology.”

More information about Kieback&Peter’s sustainability journey: https://www.kieback-peter.com/en/company/sustainability/

An insight into a reference project: https://www.kieback-peter.com/en/references/project/3rd-party-energy-restrictions-at-st-marien-hospital/



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About Kieback&Peter

As a Smart Building Solutioneer, Kieback&Peter GmbH & Co. KG combines intelligent building technology, data-based services and a multitude of synergy effects to make sustainable solutions. Founded in Berlin in 1927, this family-run company with around 1500 employees at 50 locations worldwide is the expert in securing and adding to the value of buildings and business models, providing gains in climate and health protection, safety and social engagement.

Some of the international projects Kieback&Peter is involved in include cube berlin, Charles de Gaulle Airport in Paris and the Mercedes-Benz plant in Beijing.

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