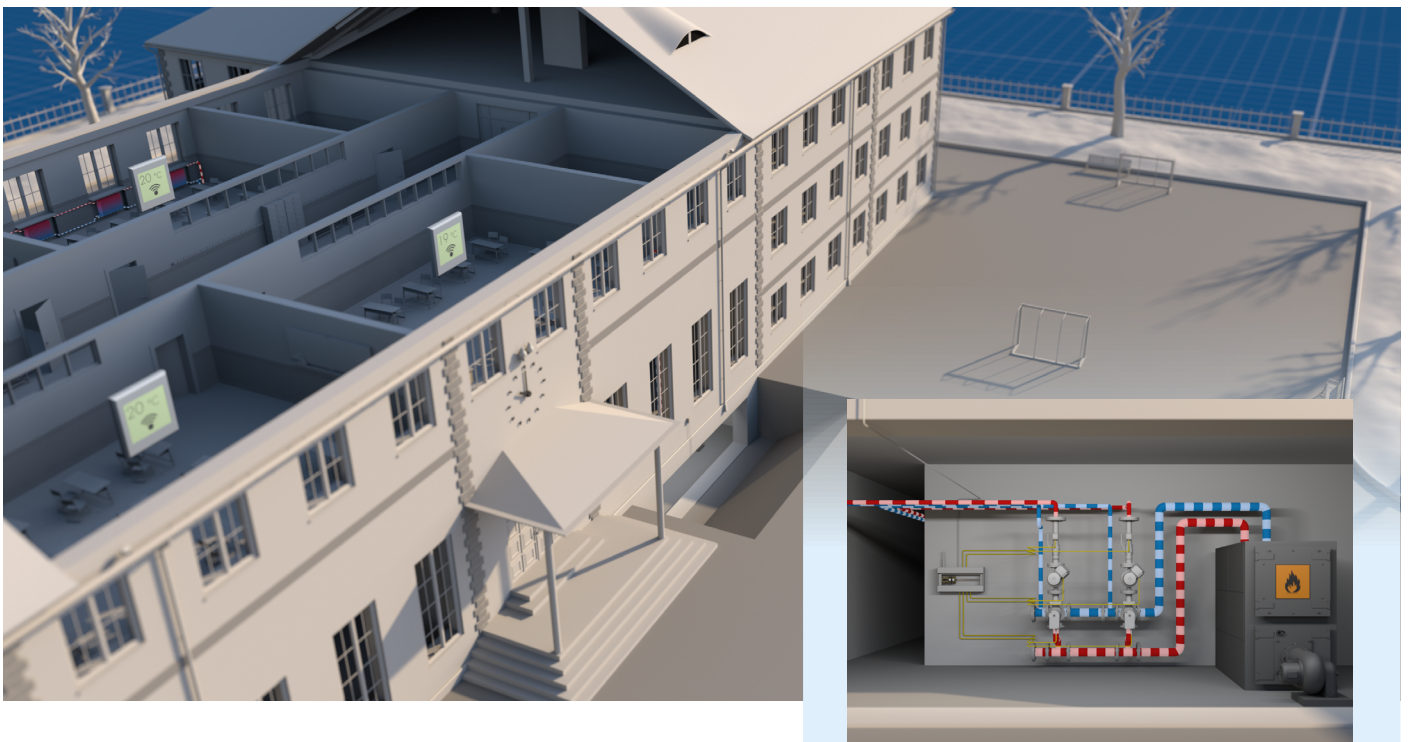


SAUTER ecoHeat

The solution for existing buildings

SAUTER ecoHeat is designed for buildings that use central, outside temperature-based supply temperature control with mechanical thermostatic valves. Office and school buildings that allow night and weekend set-back modes are particularly suitable.

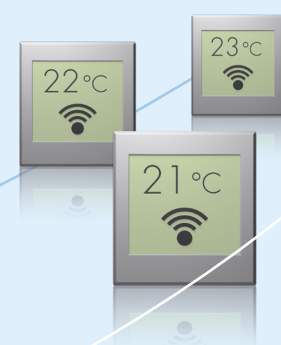
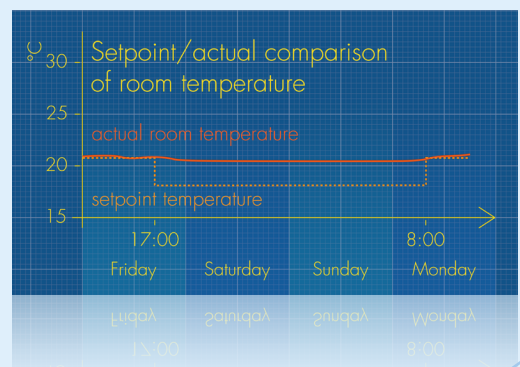


Target-actual comparison using the example of an existing school building

The central heating is turned down in the evening and at weekends. The thermostatic valves counteract the actual intention to lower the room temperature outside the period of use. The flow rate in the radiators increases and the desired lowering of the room temperature is not achieved.

Optimisation through retrofitting

Wireless sensors capture the temperatures in selected reference rooms. ecoHeat uses these, also taking into account the time programme, to calculate the optimum supply temperature and control the pumps and the control valves.



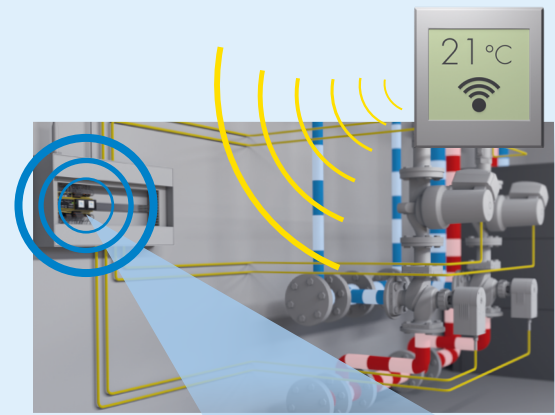
Self-adaptation

ecoHeat autonomously adapts to the individual use and specific building conditions (insulation, window size, orientation). There is no need to set a heating curve.

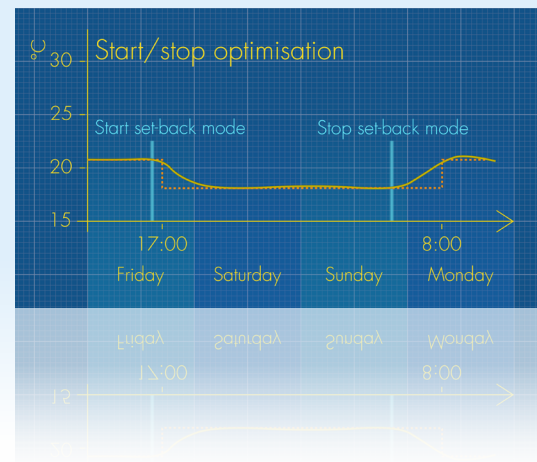
Start/stop optimisation

Via start/stop optimisation, ecoHeat learns how to control the use of the heating to ensure an optimum comfort temperature.

Before school or work finishes, ecoHeat calculates the optimum time to start the set-back mode. In the same way, ecoHeat also automatically determines the most economical start time in order to achieve the desired comfort temperature on time for when school/work begins again.



ecoHeat
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- » ecoHeat is suitable for the retrofitting of heating systems in office buildings, schools and other buildings.
- » With ecoHeat you save 15–25% energy.
- » Easy commissioning: ecoHeat is self-learning and determines the optimum supply temperature automatically. There is no need to set a heating curve.
- » Start/stop optimisation: ecoHeat automatically determines the correct switch-on time for the heating so that the comfort temperature is achieved just when the rooms are starting to be used again.

Advantages of ecoHeat

