



As a specialist in energy efficiency, SAUTER is benefiting from its own expertise.

Maximum use will be made of regenerative energy at the SAUTER Group's headquarters in future.

The construction of SAUTER's new multifunctional operating building in Basle offers us the opportunity to renew our own energy supply system. Solar collectors have been set up on two flat roofs of the existing complex of buildings, and the new building is being constructed in compliance with Switzerland's *Minergie* standard. By taking these steps, SAUTER aims to highlight the present and future possibilities for energy-saving in large buildings – and to benefit from them itself.

Solar power plant at our own headquarters

SAUTER has opted for solar collectors for the generation of energy at its group headquarters in Basle. In co-operation with *Solarspar* of Liestal, SAUTER has installed on the flat roofs of two of its buildings a solar power system rated at 28.08 kW_p and providing 25,000 kWh; this is equivalent to the electrical energy consumed each year by more than five detached houses, and would be sufficient for the energy consumption of twelve detached houses built to the *Minergie* standard. A total of 156 polycrystalline solar cells, with a total length of about 33 metres, have been fitted on the roofs of the offices and the factory buildings.

Even greater energy efficiency

It's also very obvious that a construction project is in progress on the same site. During the current year, a new multifunctional building for production, logistics and administration will be completed here. Entirely in keeping with our corporate strategy, this building has been designed to meet Switzerland's *Minergie* standard. It goes without saying that the latest SAUTER solution applications for building management are being deployed in our own new 'home'. Solar panels will also be fitted to the flat roof of the new building.

Using groundwater for cooling and heating

In the new SAUTER building, the groundwater provided by a natural inflow is used for both cooling and heating. The flow of groundwater is tapped via two bore holes so that it can be used in both summer and winter via a heat pump installation. The heat recovery facility required for this purpose also has to be installed for ventilation and air-conditioning plants even if the *Minergie* standard is not applied.

This February, the authorities extended the drilling permit for the planned utilisation of the groundwater, ensuring that SAUTER can carry out meticulous planning and bring the project to an optimal conclusion.

Careful use of resources

At SAUTER, we have already been setting an example of energy-efficient and ecological behaviour in our own company for a number of years. At the Basle premises, which also accommodate our only production facility, CO₂ emissions have been reduced by 39% and water consumption has been cut by 30% since 2003.