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Modernization of the HVAC plant for ease of use and efficiency

Reka holiday village, Montfaucon/Switzerland

The Reka holiday village is located in the central part of the Jura Mountains and encompasses 6 double- and 25 single-family houses with the relevant infrastructure. After more than 17 years of operation, it was decided to upgrade the existing HVAC system from Siemens. Once again, the customer opted for a control system from Siemens.

The objective of Reka (Swiss Travel Fund) is to allow all families living in Switzerland to have affordably priced holidays. The holiday villages operated by Reka are very family-friendly and have an excellent price-performance ratio. Villages in Switzerland and abroad have been offered for 52 years.

The holiday village Montfaucon is comprised of 31 houses and offers an indoor swimming pool, a paddling pool for children, and a wellness center. It is located in the central part of the Freiberge, a large recreation area in the Jura Mountains. The region attracts holiday-makers with its endless pastures and dark, tall fir trees – an ideal stretch of land for walking, hiking, and cycling. In the winter, the Freiberge are famous for cross-country skiing.

Answers for infrastructure.



Reka holiday village, Montfaucon

The decision was made to upgrade the existing 17-year old HVAC system. The customer wanted an advanced system that was easy to operate, both centrally and from a remote location.

Modernization with Synco™

As a result of the customer's more demanding requirements, the existing Monogyr system had to be completely replaced. This included control of the entire heating and domestic hot water plant. However, it was possible to keep the existing electrical infrastructure. Synco 700 offered an advanced solution that satisfied all specific requirements, thanks especially to the system's central control unit RMS705. This product complements the controllers used for standard applications by adding freely configurable function blocks for the control, switching, and monitoring of heating, ventilation, and air conditioning plants. It is therefore possible to implement individual programming which fulfills all needs.

Efficient control

Now, every holiday house is equipped with a room operating unit to adjust the room temperature setpoint. The units provide three different operating modes (occupied, economy, and unoccupied), enabling the system to be used efficiently without wasting energy. The central communication unit OZW771 allows the facility manager to monitor the system from the main building and – if required – to interfere without having to enter the houses.

On the safe side

All alarms can be transmitted to the facility manager via SMS, allowing him to take immediate action.

Satisfied customer for many years

The customer has been very satisfied with the former products from Siemens and now looks forward to making use of more extensive functionality and enhanced ease of operation of his new Synco system.

Highlights

- Straightforward upgrading from Monogyr to Synco so that the existing electrical infrastructure could be retained
- Devices featuring application-specific programming for individual room climate
- Energy efficiency thanks to three operating modes for different levels of usage
- Remote access for straightforward control and convenient operation
- Alarm reporting via SMS for more security