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Straightforward HVAC control for highest room comfort

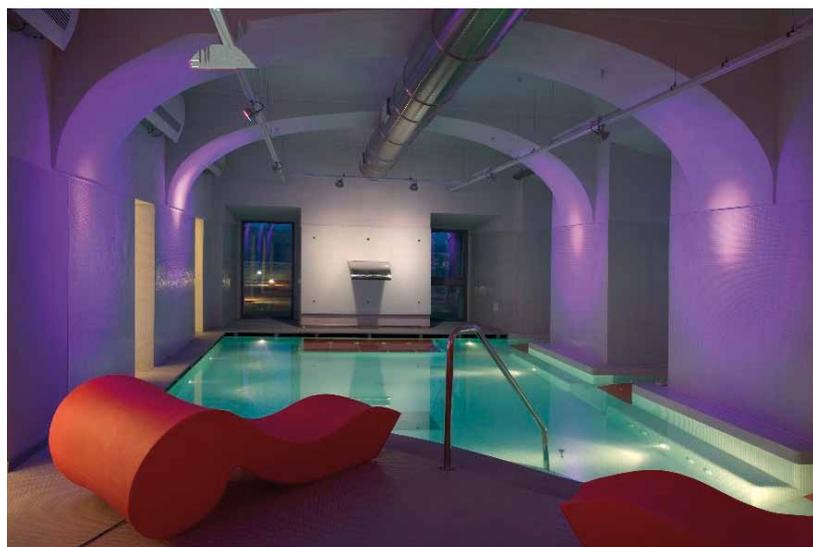
Castello di Montaldo, Montaldo/Italy

Castello di Montaldo is a wonderful ancient castle located in the Italian province of Turin. It was completely refurbished and converted to a luxury hotel, supervised by the Office for the Preservation of Monuments. To satisfy the demanding comfort requirements of the hotel's guests, most advanced HVAC controls from Siemens were installed.

The Castello was built in the 12th century and now accommodates a luxury hotel with wellness center, beauty farm, and spa. It is a popular weekend destination with people from Turin and was recently renovated in modern style. Clear, soft lines and idyllic lighting together with the historic background create an exclusive ambiente. Due to the hotel's elevation, all rooms offer panoramic views of the surrounding country.

One highlight of Castello di Montaldo is its spa including Kneipp cures and thermal treatments, regenerating showers, and other innovative treatments. In addition, the hotel has five modern rooms for meetings with up to 40 people and the restaurant spoils its guests with creative gourmet meals.

Answers for infrastructure.



Castello di Montaldo

When the building complex was refurbished and the new HVAC system selected, great emphasis was placed on central operation of the entire plant, communication capability of the controls, and energy-efficient operation.

One system for all buildings – Synco™ 700

The hotel was equipped with the Synco 700 control system from Siemens. Thanks to Synco, all building systems can be centrally monitored and operated, from the heating boiler to the cooling equipment and the fan coil units in the individual hotel rooms. The OZW775 Web server supplied by Siemens enables the operator to control the plant from any PC at any point in time. The ACS service and operating software ensures ease of operation by displaying plant data including plant diagrams. Also, ACS offers trend recording and alarm handling.

Energy efficiency ensured by certified controllers

Accurate and efficient room control is provided by Synco RXB controllers. As they guarantee a very high level of control accuracy and energy efficiency, they are products certified by the European Building Automation Controls Association (eu.bac).

Communicating controllers

Synco controllers exchange energy-related information via KNX communication. This ensures that the only equipment in operation is that required for optimum comfort. In addition, all types of Synco controllers provide proven and pre-programmed energy saving functions for energy-optimized operation of plant.

Fully satisfied with Synco

The customer is very satisfied with the extensive flexibility and ease of operation the Synco system offers.

Highlights

- Flexible operation of HVAC system from any location, thanks to Web server
- Excellent overview and convenient operation of plant due to PC ACS operating software
- eu.bac-certified controllers for control accuracy and energy efficiency
- Exchange of energy-related information via KNX for optimum energy usage
- Integrated energy saving functions for increased efficiency