

SIEMENS



www.siemens.com/synco

HVAC control for more user-friendliness and flexibility

Kooindah Waters Residential Golf & Spa Resort, Wyong/Australia

The Kooindah Waters Residential Golf & Spa Resort is a combination of luxurious residential houses, hotel, and 18-hole golf course in Wyong, Australia. Siemens provided sophisticated HVAC products to fulfill the various needs of the various facilities.

Located on the Central Coast of New South Wales, 90 minutes north of Sydney, Kooindah Waters Residential Golf & Spa Resort, Wyong offers an ideal location for a golfing getaway, family holiday or relaxing break. Featuring a wide range of facilities including an 18-hole championship standard golf course, restaurant,

bar, spa, and residential houses, the resort provides the perfect base to explore the Central Coast and surrounding regions.

Accommodation at the resort ranges from studios to one- two- and three-bedroom villas overlooking the golf course and surrounding wetlands.

Answers for infrastructure.



Koindah Waters Residential Golf & Spa Resort, Wyong

The resort was in need of a flexible and user-optimized control and monitoring system for the HVAC requirements of different facilities such as offices, hotel rooms, the restaurant, and the underground car park.

Energy efficiency thanks to Synco™

The new HVAC system has the task of creating optimal room climate in different areas of the resort in an energy-efficient manner. The communicative Synco 700 RMS controllers monitor the HVAC plant and answer all demands of the individual areas reliably and user-friendly. Synco 700 is a versatile HVAC controller range of modular design which provides energy-efficient operation thanks to the exchange of energy information within the plant and integrated energy saving functions. Additionally, the energy consumption for fans and pumps can be reduced by up to 50% due to the use of SED2 variable speed drives.

Flexibility with remote access

Essential for the customer is simple operation independent of the location.

Therefore, the Web server OZW775 was installed. The plant can now be operated and monitored at any time and from any location. The Web server delivers any fault status or maintenance messages directly via e-mail or SMS. This saves time and avoids unnecessary service visits.

Intuitive operation

The comfort of the hotel guests is ensured by RDF room thermostats. The room thermostats can be easily and intuitively operated thanks to the clear display.

Controlled air quality

To provide comprehensive safety, CO and NO₂ sensors were installed in the underground car park. The concentration of dangerous emissions is monitored by the sensors and, if necessary, the ventilation system accelerates or decelerates. This ensures not only fresh air but is also very energy-efficient.

Complete satisfaction with Synco

The customer was convinced by the user-friendly and cost-efficient Synco system as well as by the flexibility and perfect interoperability of the Siemens products.

Highlights

- Energy efficiency thanks to communicative Synco 700 controllers
- Energy savings of fans and pumps of up to 50% with SED2 variable speed drives
- Web server for more flexibility and remote access
- Ease of use with RDF room thermostats
- Perfect flexibility and interoperability provided by the Synco system