

Europa Park chooses SAUTER building management system

Europa Park in Rust, near Freiburg, has over 4.5 million visitors a year, making it Germany's biggest theme park by far. The four-star 'Bell Rock' superior hotel, the newest of five hotels on the site, was opened last summer. A SAUTER building management system provides and maintains pleasant interior conditions in the 'Bell Rock' themed hotel.



Europa Park was founded in 1975 by entrepreneur Franz Mack and his son Roland. However, the idea of providing overnight accommodation inside the park itself did not become a reality until much later. It was in 1995 that Europa Park opened its first four-star hotel, the 'El Andaluz'. Additional themed hotels followed to consolidate Europa Park's position as a short-trip destination: Italian dolce vita can be experienced in the four-star 'Colosseo' superior hotel, the ambience of a Portuguese monastery in the four-star 'Santa Isabel' superior hotel, and the Spanish zest for life in the four-star 'El Andaluz' and 'Castillo Alcazar' hotels. Situated in Rust, in the southern state of Baden-Württemberg, Germany's biggest hotel resort has five themed hotels, a campsite, a guest house and a caravan park.

The latest hotel on the site, the 'Bell Rock', was opened in July 2012. This 4-star superior hotel takes its inspiration from the feudal manors of New England of the 17th and 18th century. Particularly eye-catching is the 35-metre-high lighthouse that gives the hotel its name and boasts six individually-themed suites named after various personalities, such as George Washington, John F. Kennedy and Abraham Lincoln. Next to the lighthouse is a complex comprising the four-storey main building and five three-storey auxiliary buildings.

Building management system from SAUTER

While the building's style takes visitors on a journey back to the American colonial period, the project managers drew on the latest technology for all the equipment within. All of the buildings in the 'Bell Rock' complex are equipped with the SAUTER novaPro Open building management system. This combines around 11 500 data points in a multi-PDM environment with central data storage on a file server. Three Windows 2008 R2 servers are used for the whole building management system in Europa Park. The virtualisation infrastructure is mirrored





on two computing centres, thus providing a very high level of system reliability. The building management system is operated by means of web clients.

The building management system is also connected to the hotel booking system via OPC. The ventilation system in the swimming pool is connected via BACnet. A total of 268 automation stations and room controllers from SAUTER's EY system were fitted to control the air-conditioning in the 225 hotel rooms, 35 of which are suites. To maximise the comfort level, each room can be operated in one of four operating modes with different room conditions, taking full account, of course, of all energy-related aspects. For the automation of the general hotel areas – such as reception, shop, swimming pool, spa, restaurants, conference rooms and technical facilities – there are twelve equipment rooms, plus seventeen nova220, eight modu200 and one nova230 automation stations in operation. These are used to automate the heating and cooling systems and the indoor air technology.

Green oasis

Europa Park is situated in the idyllic landscape of the Rhine valley, between the Black Forest and the Vosges mountains, near the three borders of France, Switzerland and Germany.

High level of ecological awareness and sustainability

Centralised water treatment system; a hydroelectric power station that generates 1 million kWh of environmentally-friendly electricity per year; and a solar power station 300 metres long and comprising 2 500 solar modules.

- Over 4,5 million visitors a year
- Biggest and most popular amusement park in Germany
- Almost 95 million visitors since it was founded
- Around 100 attractions and international shows
- Total area: 94 hectares
- Over 3 400 staff members during the season
- More than € 600 million invested in renovations and extensions since the park was founded