Hilton Copenhagen Airport

CUSTOMER BENEFITS

- Customer comfort through individual room control
- Integrated individual room control with hotel booking system
- Energy savings in unoccupied rooms
- Flexibility for future changes and upgrades

PROJECT AT A GLANCE

Project Type:
Energy Management,
Building Management System

Location:
Copenhagen, Denmark

As the first Hilton in Scandinavia – and the only one with its own runway – Hilton Copenhagen Airport caters to fast-lane travelers who demand the very best accommodations.

Hilton needed to provide a comfortable, reliable indoor environment that would please even the most discerning guest. TAC worked closely with the hotel owners to design a building management system that would both live up to Hilton's fine name and keep energy costs in check.

Located only a brief stroll from the airport arrival and departure halls via a covered walkway, this new hotel features contemporary Scandinavian design and incorporates spectacular use of natural light throughout, from corridors to individual rooms.

As a five-star venue, Hilton Copenhagen Airport could not afford to compromise on guest comfort. With conference facilities for up to 450 people, it is a popular place for business meetings and conventions. And because the hotel is situated at one of Europe's major hub airports, guest turnover tends to be high. This means staff face the type of difficult logistical problems that only a modern BMS can solve.

HOTEL PROFILE

Hotels are complex facilities requiring building controls and security solutions that accommodate a wide range of needs and fluctua-tions in occupancy. Reception areas, restaurants, conference rooms, offices and fitness centers all have different indoor climate and security requirements while each guest remains unique in personal choice of room temperature.

As the leader in Open Systems for Building IT®, TAC provides solutions that ensure reliable building system control and operational efficiency, allowing hotel facility owners and operators to concentrate on their top priority—providing the highest value for guests.

The Challenge

Most guests checking in to Hilton Copenhagen Airport are harried business travelers whose main objective is to relax after a long flight or a hard day's work. Therefore the hotel's owners wanted guests to experience a pleasant indoor environment immediately upon arrival and have the possibility of adjusting individual room temperature during their stay. With 382 rooms, conference facilities, a pool and a 24-hour fitness club, staff also needed a sophisticated monitoring and control tool that would keep different automation subsystems running smoothly.

The Solution

Hilton enjoys a worldwide reputation for first-class guest comfort and service. Since comfort depends greatly upon room temperature, TAC focused on finding a practical way to key the HVAC system to guest arrival and departure.

Using a LonWorks®-based TAC Vista™ system, TAC integrated HVAC control with the hotel's booking system to trigger an adjustment in heating and cooling when guests check in and out. This feature provides an efficient way of controlling energy costs for unoccupied rooms and allows busy staff more time to plan room preparation.

The Bottom Line

The building control system designed and installed by TAC contributes reliability and convenience to a pleasant and exclusive environment. Satisfied guests who return time and again voted Hilton Copenhagen Airport the best hotel in Denmark for 2002.

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