

# LANCOM Reference Projects

## Controller-based WLAN in a conference hotel



### Customer

**HOPPER** stands for modern-day lodging in an environment which balances art, space, the guest and the employees themselves. The successful recipe of the privately owned, design-orientated Hopper Hotels lives on with a new accent in the St. Josef Hotel opened in 2009 in Cologne. The hotel located in a well-preserved historical building dating from 1891 is a sophisticated union of opposites: The historical façade conceals the latest LANCOM networking technology for use by the guests and the hotel administration.

### Idea / Requirements

- Provide **fast WLAN** throughout a new hotel
- Internet-access in all rooms with **DSL via flatscreen TV** (operating as a terminal PC)
- **Data security from two separate networks:** Productive network, guest network

### Solution

- LANCOM access points for full wireless LAN coverage offering 100 Mbps
- Internet access via LANCOM router
- **Switches connect the router** to the TVs and the WLAN
- The **WLAN controller** manages the access points and provides the guests with the WLAN hotspot

### Advantages

- **Flexibility and convenience for the guest**, who has a choice of Internet access via WLAN hotspot or via flatscreen TVs in the rooms
- **Maximum security** while **cutting costs** due to network virtualization
- Automatic **installation, channel allocation and monitoring** of the security settings by the WLAN controller



### Infrastructure

15 x LANCOM L-310agn Wireless access points

5 x LANCOM ES-2126 Fast Ethernet switches

1 x WLAN controller  
LANCOM WLC-4025

1 x LANCOM 1811 Wireless DSL business router

1 x LANCOM WLC-PSPOT Option

