

LANCOM Reference Projects

Controller-based Hospital Wireless LAN



Customer

The **Regio Kliniken gGmbH** owns and operates regional clinics in Elmshorn, Pinneberg and Wedel, geriatric and nursing homes, an outpatient nursing service and medical supply centers in the Pinneberg district in Germany. Around 2,000 employees are responsible for the care of approximately 30,000 inpatients, 35,000 outpatients, and 200 residents of their geriatric and nursing homes, and for the support of the clinics and care centers in administration and business development.

Idea / Requirements

- Introduction of **electronic ward rounds & food ordering** via handhelds
- **Internet guest access (Hotspot)** for patients as an extra service
- **Central management** of wireless LANs at all locations from the data center

Solution

- **Controller-based wireless LAN:** one single physical architecture for all applications (operative and public)
- **LANCOM access points ensure ideal coverage** in all relevant areas
- The WLAN Controller enables **automatic commissioning and servicing of APs** – including those at other locations operated by the clinic's owner
- By using multi SSID, access accounts are **completely and securely separated** from the clinic's operative network

Advantages

- **One infrastructure** for two applications
- Electronic patient files provide **up-to-date information on diagnoses, laboratory values, etc.**
- **Less administrative overhead** from the elimination of redundant tasks
- **Improved service** for patients



Infrastructure

200 x LANCOM access points suitable for operation in medical environments (EN 60601-1-2)

with LANCOM WLAN Controller WLC 4025

 **Regio.Kliniken**
Gesundheit ganz nah