

LANCOM Reference Projects

Wireless LAN in specialist clinics



Customer

The Schüchtermann-Klinik in Bad Rothenfelde, Germany, is a specialist clinic for cardiovascular diseases. It provides the full range of diagnostic approaches and therapeutic solutions for congenital and acquired cardiovascular disease in adults. As an integrated cardiac center, the clinic offers its patients comprehensive medical care under one roof. The almost seamless provision of WLAN throughout the premises facilitates the integration of mobile applications and is a support for therapy, diagnostics and service throughout the clinic.

Concept / Requirements

- Implementation of a **professional Wireless LAN (WLAN) with central management**
- **One network infrastructure** for different applications
- WLAN access points also **operate in standalone mode**

Solution

- **WLAN coverage** successively introduced in all wards
- Use of professional WLAN access points (**Dräger validation, standalone operation without controller, simultaneous operation at 2.4- and 5-GHz, Multi-SSID**)
- Configuration and management by **central WLAN controller**
- **Secure integration of different services and applications** in the WLAN, such as a hotspot for patients, mobile patient monitoring systems, blood-gas analysis equipment

Benefits

- Professional solution provides **stable, secure and user-friendly operation from a central location**
- **Seamless patient monitoring as a support for therapy**
- **Flexible use** of WLAN-enabled blood-gas analysis equipment saves costs
- **Patients enjoy** the hotspot service



Infrastructure

1 x WLAN controller
LANCOM
WLC 4100+ with
LANCOM Public
Spot option

181 x various WLAN
access points
(including LANCOM
L-460agn dual
Wireless)

