



## Customer

The **Alice Hospital** is one of Germany's leading hospitals with affiliated physicians. As a hospital with tradition, it has been practicing integrated inpatient and outpatient treatment for more than 125 years.

Key areas include cardiology at the Chest Pain Unit, obstetrics, surgery, urology, and internal medicine.

The Alice Hospital is the only clinic in Germany to have been distinguished by the TÜV-SÜD for its service quality and customer satisfaction.

## Concept / Requirements

- **Stable, reliable wireless network** for medical services and patient hotspot
- Hardware **approved for use in medical environments**
- **Highest possible availability** of the wireless network

## Solution

- **120 Wi-Fi access points approved according to EN 60 601-1-2** provide Wi-Fi coverage over approx. 19,000 m<sup>2</sup>
- **Access to the Wi-Fi hotspot** via SMS self-authentication
- **Central WLAN controller** for management and configuration the access points
- **APs operate simultaneously** in the 2.4- and 5-GHz radio bands
- **Logical separation** of networks for public hotspots and medical services

## Benefits

- **Wi-Fi hotspot increases patient satisfaction**
- Simultaneous operation at 2.4 and 5 GHz **optimizes network utilization**
- **Mobility:** Laptop access to digital patient records via wireless network
- WLAN network allows **future integration of further Wi-Fi enabled devices**, such as tablets and mobile ultrasound equipment
- **Easy integration** of additional access points by **zero-touch deployment**
- **Failover reliability:** Access points continue to operate independently in case of WLAN controller failure



## Infrastructure

120 x access points  
LANCOM LN-830acn  
dual Wireless

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

