

LANCOM Reference Projects

Wireless LAN in logistics and retail



Customer

The Rose Versand logistics company draws on more than 100 years of experience to provide quality and top service to its customers. What was a once small bicycle shop in Bocholt, Germany has become one of the largest mail-order suppliers of bike accessories. The logistics space in Bocholt covers an area of approximately 20,000 m². The shipping and logistics center commissioned in 2010 was equipped with a wireless LAN solution for goods picking.

Idea / Requirements

- **WLAN coverage** of the entire storage area (ca. 8,000 m²)
- **Synchronization** with the ERP system of all recorded data **in real time**
- Provision of a **wireless Hotspot for visitors** to Biketown (shop in Bocholt, Germany)
- **Centralized management and configuration** of the hardware

Solution

- Coverage of the warehouse and logistics space with **wireless LAN access points**
- **Real-time synchronization** between MDT equipment and the ERP system **via wireless LAN**
- Provision of a **wireless LAN hotspot** in Biketown with **high-speed 802.11n WLAN**
- **WLAN Controller manages** the provision of **WLAN hotspots**
- **Central configuration and management** of access points **with LANconfig**

Benefits

- Real-time picking for **optimized processing**
- **Processes** in IT are executed **faster and centrally**
- **Service** for visitors to Biketown: **Free Internet access**



Infrastructure

- 1 x LANCOM WLC-4006 and LANCOM Public Spot Option
- 45 x LANCOM L-54ag Wireless
- 5 x LANCOM L-321agn Wireless
- 1 x LANCOM L-305agn Wireless



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