

LANCOM Reference Projects

Wireless LAN in emergency-service operations



Client/Project

The **Innsbruck Red Cross** coordinates its operations with a WLAN point-to-point link which, particularly for large-scale operations and major events, operates independently and extremely reliably. A mountain station connects the voluntary rescue-services station in Innsbruck to the operational units at temporary bases via broadband WLAN point-to-point links. The network offers flexible deployment for festivals in the city center, for sporting events at the Bergisel ski jumping facility, and for large concerts at the Olympic stadium.

Idea / Requirements

- **Secure, high availability IT networking** of the emergency services on large-scale operations
- **Wide-coverage broadband network** without cabling
- **Flexible operational requirements and locations** in the city and its surroundings
- Reliable Internet connectivity

Solution

- Flexible positioning due to practical **mobile point-to-point WLAN links**
- **WLAN coverage over the whole city by means of point-to-point WLAN links** (5 to 8 kilometers)
- **Reception by portable WLAN stations** consisting of access points and directional antennas
- **IP telephony** as an alternative to digital radio

Advantages

- Employment of **shared operations-management software**
- Patient data recording and status overview **in real time**
- **Standalone wireless networking of tactically important locations**
- **Independence from providers** or unreliable cellular networks
- **Maximum flexibility and mobility**



Infrastructure

LANCOM access points for WLAN bridges and as mobile point-to-point stations



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Aus Liebe zum Menschen.