

# LANCOM Reference Projects

## 3G/4G networking and WLAN for the emergency services



### Customer

Over 600 volunteers and full-time staff work for the **St. John's Ambulance Service** in and around the German city of Aachen and the neighboring towns Heinsberg and Düren.

The tasks range from holding first-aid training courses to emergency rescue deployments, patient transportation, medical services and disaster control, social services such as meals-on-wheels, home emergency call-outs, and outpatient care.

### Concept / Requirements

- **Mobile Internet connectivity** for command vehicles
- **WLAN provision** for the rescuers on location
- **Highest standards** of performance, security and quality

### Solution

- Use of a professional **VPN router with LTE/4G cellular networking and WLAN**
- **Internet connectivity via high-speed LTE/4G**
- **WPA2 encryption** to secure the WLAN against abuse

### Benefits

- **Fast processing of large amounts of data** (e.g. download of terrain maps) on location
- **Optimized deployment coordination:** Router transmits data to digital pagers
- Stable and high-performance operation **secures communications and operations**



### Infrastructure

1 x cellular router  
LANCOM  
1780EW-4G

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Aus Liebe zum Leben



Page 1

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Systems