

LANCOM Reference Projects

Wireless LAN in Elderly Care



Customer

With a history extending back over 150 years the **Maria Hospital Aachen Catholic Trust** has developed into a highly modern social and health-care center with a wide range of services and offerings—very much in keeping with its guiding principle of caring for its patients in all areas from pre-natal care, prevention, rehabilitation, and elderly care. The foundation also supports the **St. Severin senior citizens' nursing home** which offers in-patient nursing and a residential care home for the elderly and disabled. 37 staff are employed on 3 wards.

Idea / Requirements

- Improved efficiency in nursing by **introducing the electronic resident's file** in a nursing home for senior citizens
- **Consolidation of all information** required for real-time nursing care
- **Availability of all information** in all relevant areas of the home
- **Replacement of paper-based documentation**

Solution

- **Establish a WLAN with full coverage** in all three stations, based on LANCOM access points approved for medical environments
- **Mobile capture** of all nursing information and care services via **WLAN tablet PC and PDA** directly at the resident's bedside
- Real-time transfer of data to a **central Care Management System**

Advantages

- **More time for nursing and care** thanks to cuts in the effort of documentation
- **Accurately maintained treatment files** due to the removal of manual error sources
- **Simplification** of care planning, service documentation, and analysis



Infrastructure

LANCOM L-54ag
WLAN Access
Points

suitable for
operation in
medical
environments
EN 60601-1-2

