

NurseCall System with dementia and locating functionality for the Ardennes Residence



BOSCH
Invented for life

Industry:

Healthcare

End User:

Ardennes Residence in Clervaux (Luxembourg)

The Ardennes Residence is an elderly home run by the canton Clervaux which is situated in the north of Luxembourg. The inhabitants come from different neighbouring communities. The mission of the residence is to accommodate and to look after the elderly who stay there on a permanent basis.

Business Objective:

When extending and renovating its buildings, the Ardennes Residence was looking for an upgrade of its NurseCall System and its other communication systems. One challenge was to limit the usage of cables in the historical building where the residents are living. It was requested that the new NurseCall System enables to locate the pensioners when they call for help in case of an emergency. Furthermore, the new system should help to avoid or at least diminish the unwanted wandering of dementia patients.

For the staff the ability to receive text messages or to have further information on the display was requested in order to avoid the usage of several separate devices (e.g. mobile phone, DECT telephone, PDA ...etc).

Solution:

The Ardennes Residence uses the Bosch NurseCall System incl. wristband transmitters with optional locating and dementia functionality. This solution guarantees the mobility of the residents and only locates them if necessary. Thus, the individual privacy of the residents is respected in their living environments.

Inductive loops are placed at the key points in the building and guarantee an exact and individual locating so that the position of a resident can be precisely determined (e.g. corridor occupational therapy, 2nd floor).

The Bosch NurseCall System also makes it possible to detect and transmit immediately and automatically the wandering of residents who are potentially disoriented. This information is stored at the central NurseCall Main Unit and can be forwarded, thanks to the wireless installation, to mobile devices like a PDA carried by nursing staff.

In case of an emergency call, several staff members are contacted automatically. Therefore, it is obligatory for the responsible nurse to acknowledge and to reset the alarm by using the acknowledgement transmitter. These actions are stored by date, time and nursing staff.

It is sufficient to add a wireless contact without any additional cabled installation. The simplicity, the flexibility and the extension option of the system satisfy the demands of the clients as well as the architects. The wireless wristband transmitters guarantee an increased mobility for the residents within the building and an easy-to-use emergency call system.



Ardennes Residence in Clervaux, Luxembourg
(ARCHITECTURE ET ENVIRONNEMENT S.A.)

Result:

The NurseCall System of Bosch satisfies completely the demand of mobility and safety for elderly people. In case a resident has fallen down, wireless wristband transmitters guarantee easy and quick help, no matter if residents are going for a walk, relax in their living rooms or are in their bathrooms. With the help of the described wireless solution neither fixed installed emergency call devices in corridors, common rooms, staircases and parks nor blocked doors are needed any longer to ensure the safety of the pensioners.

Furthermore, the wireless technology facilitates the work of the nursing staff.

The increase of mobility and safety of the residents has also been stated by the Ardennes Residence and its representatives Danièle Schank and André Schröder. They are glad to be able to benefit from the technical development that has been made possible through the help of the Ministry of Family Affairs and the support of the canton Clervaux.

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