



**CASE STUDY**  
BIRCH ABBEY  
CARE HOME,  
SOUTHPORT



**Safety Systems  
Distribution Ltd**



## CARE HOME

# Birch Abbey Care Home, Southport

Client: Melton Health Care Ltd

Date: 2011/2012 (in two phases)

## Project requirements

Birch Abbey Care Home in Southport is a recently built care home specialising in dementia care. It is the next generation of care home, a 'community care centre' based on the 'iPersonally' concept of multiple services from a single team, keeping faces familiar and residents not having to repeat their stories many times to different staff members.

Its owner, Melton Health Care Ltd, needed to put specially designed, assistive technology in place to allow the monitoring of clients' vital signs and movement, and combine this with specialist wireless nurse call solutions to assist in client care.

## Solutions

Safety Systems Distribution provided a unique, integrated solution to Melton Health Care Ltd, combining a Bosch wireless nurse call system with an EMFIT bed monitoring system. The nurse call system was installed to provide 'bedhead' calling, and included the use of portable wrist worn transmitters, which provide a mobile alarm button for residents. These were integrated with location devices and pendants which provide the location of a resident when they call, or trigger automatic alarms if they enter an area of risk, or if, for example, they 'tailgate' a visitor out of a secure door.

The master system receives radio signals and passes them to a PC software package for processing - these are sent to pagers carried by staff, allowing them to react to client calls. Flat panel screens, installed in nurse stations, also provide call visibility, and the pagers (which can operate in silent mode at night) mimic these screens. Also included in the solution was a TASW software package, which provides alpha numeric naming of all rooms and transmitters, call logging, an audit trail and paging of calls to the relevant staff member, dependent on the location, time of day, type of call and other factors. The system also featured call points, highlighting 'call', 'assist', 'emergency' and 'staff visit', door monitor points, and radio pull cords for en suites and bathrooms.

The nurse call system was integrated with an EMFIT DVM system. This records the client's heart beat and respiration rates over extended periods via a data network and provides a live BCG reading to any networked PC, without the requirement for a staff member to visit the room - and without any equipment being connected directly to the resident. It also allows historic trend activity to be monitored, identifying, for instance, if the resident is more or less settled or if a change in medication has resulted in any benefit for the resident in terms of their sleep pattern.

The system also triggers an alarm for bed exit and return between specific periods, for example at night time, or if the client leaves their bed and does not return within a specific time period.



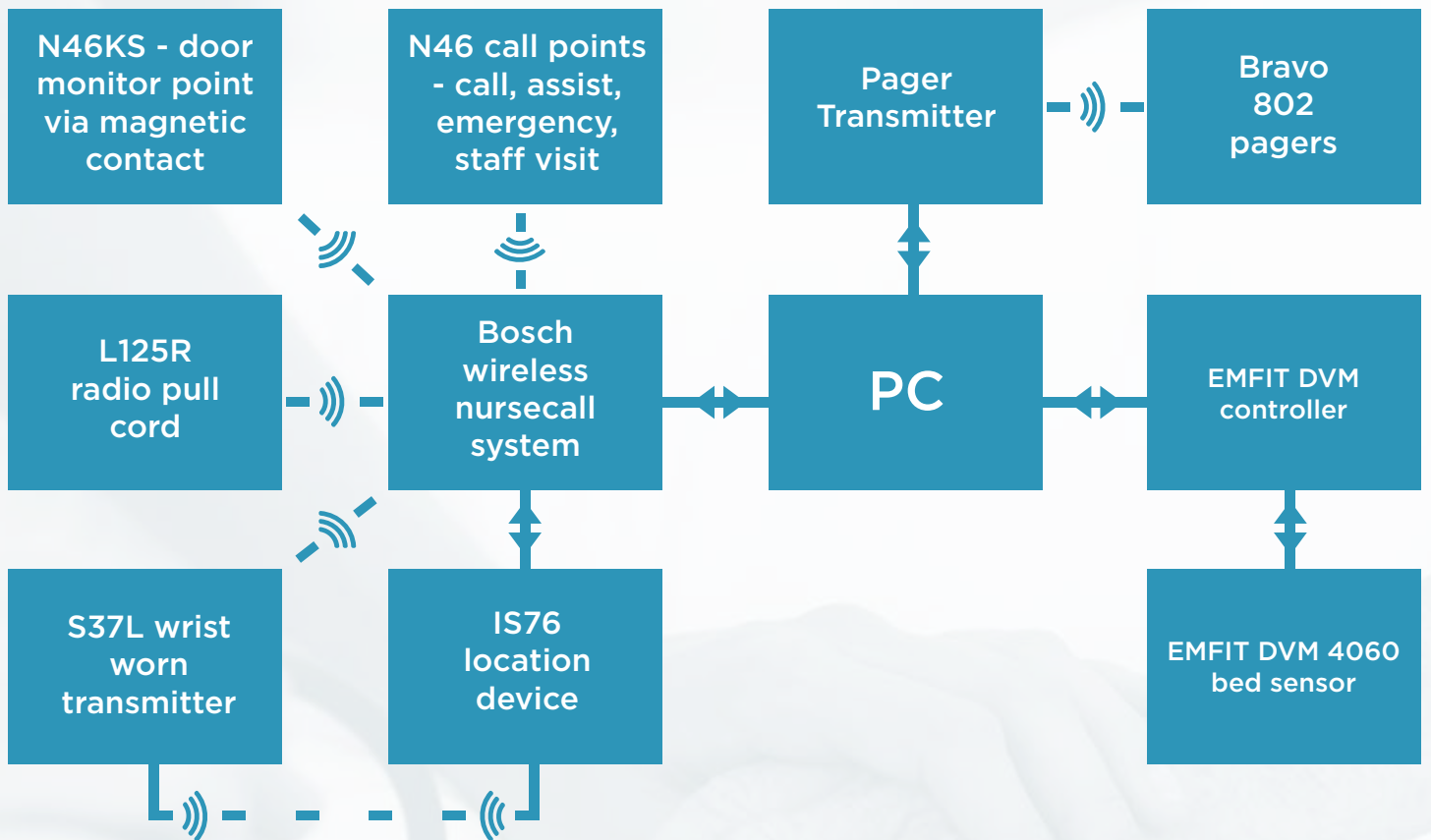
**Unique  
solution for  
care home  
specialising in  
dementia care**

## Technical Specification

- Bosch wireless nurse call system
- N46 call points - call, assist, emergency, staff visit
- N46KS door monitor point via magnetic contact
- L125R radio pull cord
- S37L wrist worn transmitter
- IS76 location device
- TASW software package
- Bravo 802 pagers
- EMFIT bed system - EMFIT DVM controller with 4060 bed sensor

# Birch Abbey Care Home, Southport

Integrated solution



“We have worked with Safety Systems Distribution for many years and greatly value their independent perspective and friendly, personal approach to working with us. The SSD team are specialists in the integration of care solutions and the success of the Birch Abbey Care Home project demonstrates their vast experience in this field. SSD has been our primary partner from the start and we cannot recommend them more highly.”

Dan Lingard, chief executive, Melton Health Care Ltd



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# SAFETY SYSTEMS DISTRIBUTION



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