



CASE STUDY
PRIVATE
RESIDENCE



**Safety Systems
Distribution Ltd**



COMMUNITY HEALTHCARE

Private residence

Client: Private client

Date: 2014

Project requirements

The client in this case was the family of a nine-year-old boy who was vulnerable to nocturnal clonic seizures. In cases like this, parents often have to sleep in the same room as a child in order for them to be alerted to the onset of a seizure – and even this action may still lead to some seizures going unnoticed by carers. The family required a solution which would alert them to any seizures which were suffered by the boy.

Solutions

Safety Systems Distribution provided a state-of-the-art solution to the client, working with an NHS community nurse.

An Emfit Tonic Clonic Seizure Monitor and Emfit Under-Mattress Bed Sensor formed a system which allowed the detection of all of the child's movements, while distinguishing normal movements from epileptic seizures. It triggers an alarm when the child is experiencing a convulsion and also detects the presence and absence of the bed's occupant. The bed absence was set to a delay of six minutes, allowing the child, for instance, to go to the bathroom unsupervised as long as they return within the variable timed delay. This provides greater flexibility for the family as the alarm does not sound an alert for a seizure every time the child gets out of bed, thus providing a calmer environment during the night.

This particular system was set up so that the child's room was kept silent, while the alarm sounded in the parents' room. The Emfit bed sensor does not have weight limits and is sensitive enough for small children, and there are no embedded wires or switches, which could lead to failure.

During a trial period, the system detected a seizure down one side of the child's body which would not have normally been identified by the parents - this influenced their decision to have the system permanently installed.



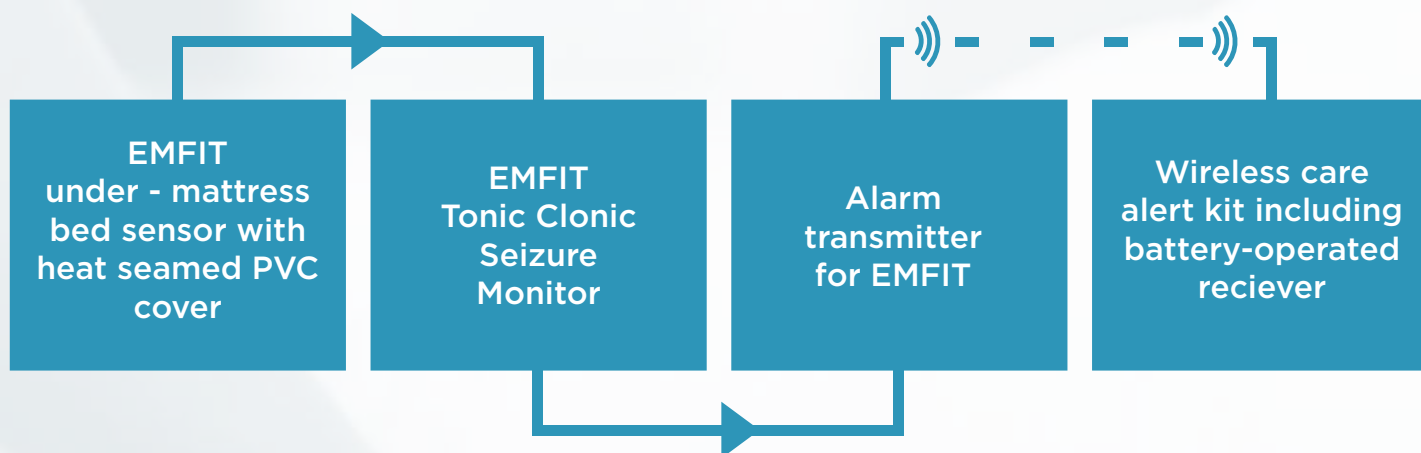
EMFIT monitoring and sensor system for private client

Technical Specification

- EMFIT Tonic Clonic Seizure Monitor
- EMFIT under-mattress bed sensor with heat sealed PVC cover
- Wireless care alert kit including battery-operated receiver, alarm transmitter for EMFIT

Private Residence

Integrated solution



“The EMFIT Epileptic Tonic-Clonic seizure monitor provided by Safety Systems Distribution Limited has been a valuable piece of equipment for the parents of a nine-year-old boy with epilepsy. His seizures occurred overnight and parents were often unaware they were happening - this monitor has picked up seizures they would have otherwise missed, enabling them to administer his emergency medication sooner and giving them peace of mind.”

- NHS community nurse



**Safety Systems
Distribution Ltd**

SAFETY SYSTEMS DISTRIBUTION



Safety Systems Distribution Ltd.
Unit 11b Hobson Industrial Estate, Burnopfield, Newcastle NE16 6EA

Tel: 0800 328 2950 | Outside UK +44 1207 272 200
Fax: 0800 328 2951 | Outside UK +44 1207 279 376

sales@safetysystemsdistribution.co.uk
www.safetysystemsdistribution.co.uk