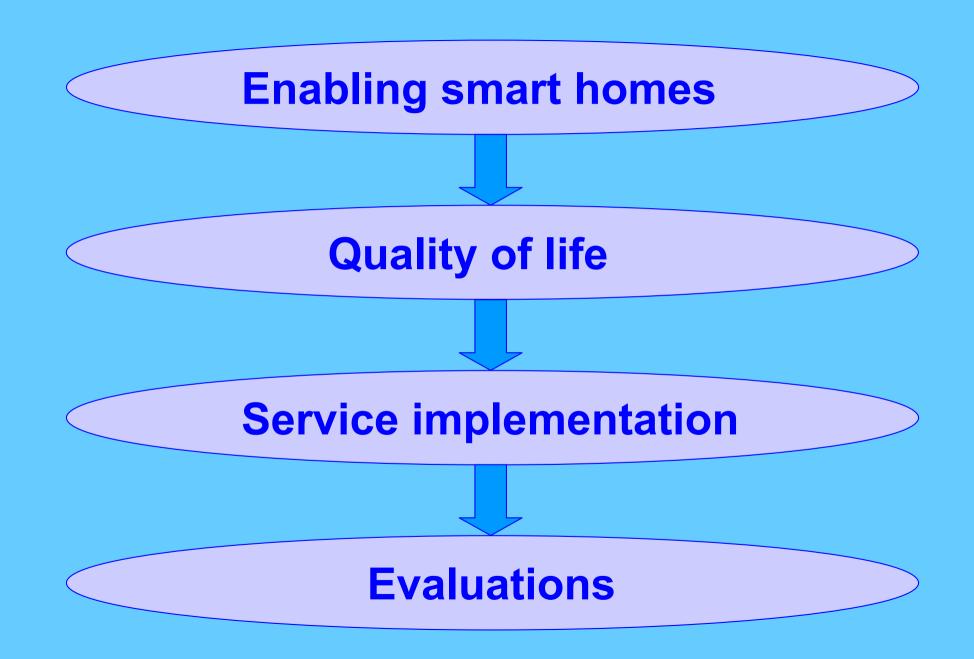
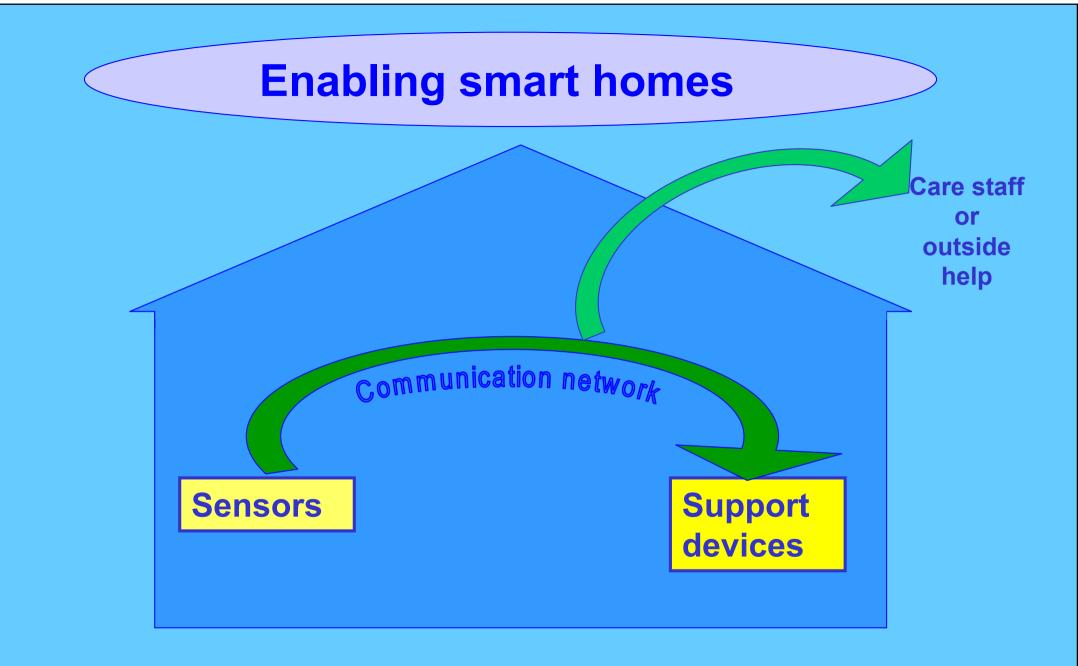
The design and evaluation of new technologies to support people with dementia

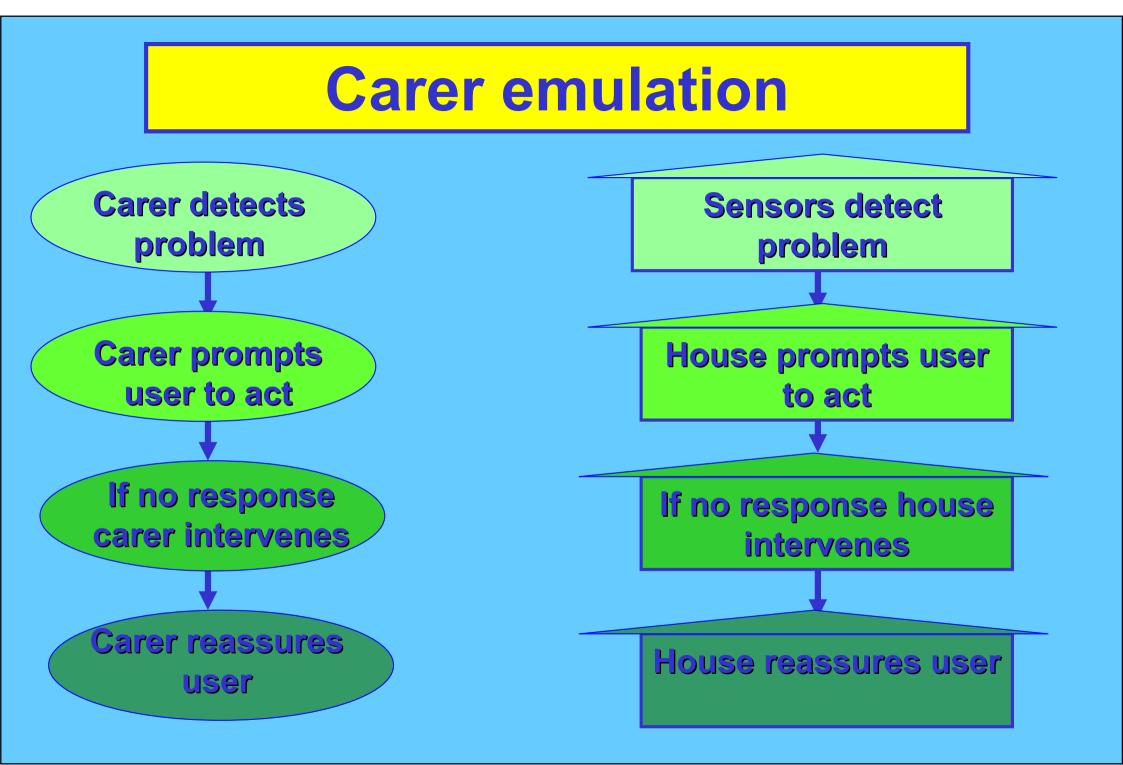
Roger Orpwood

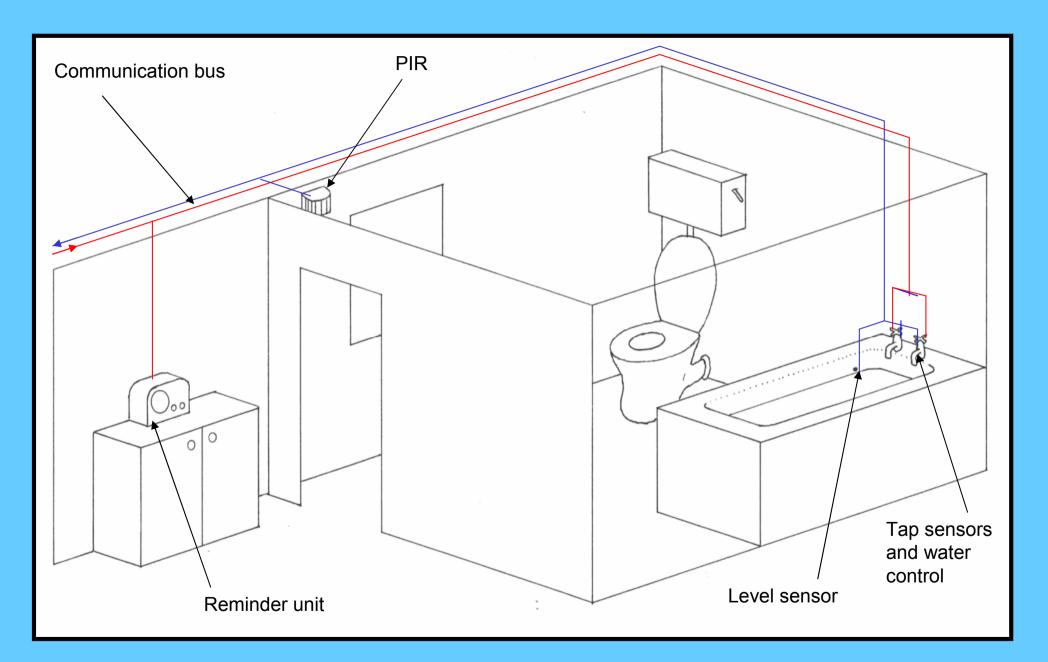
Bath Institute of Medical Engineering University of Bath



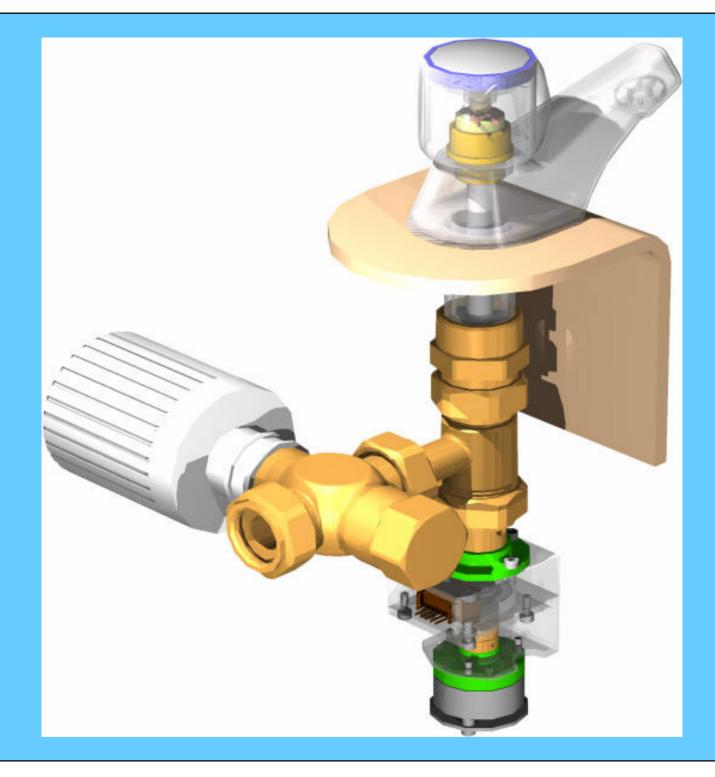




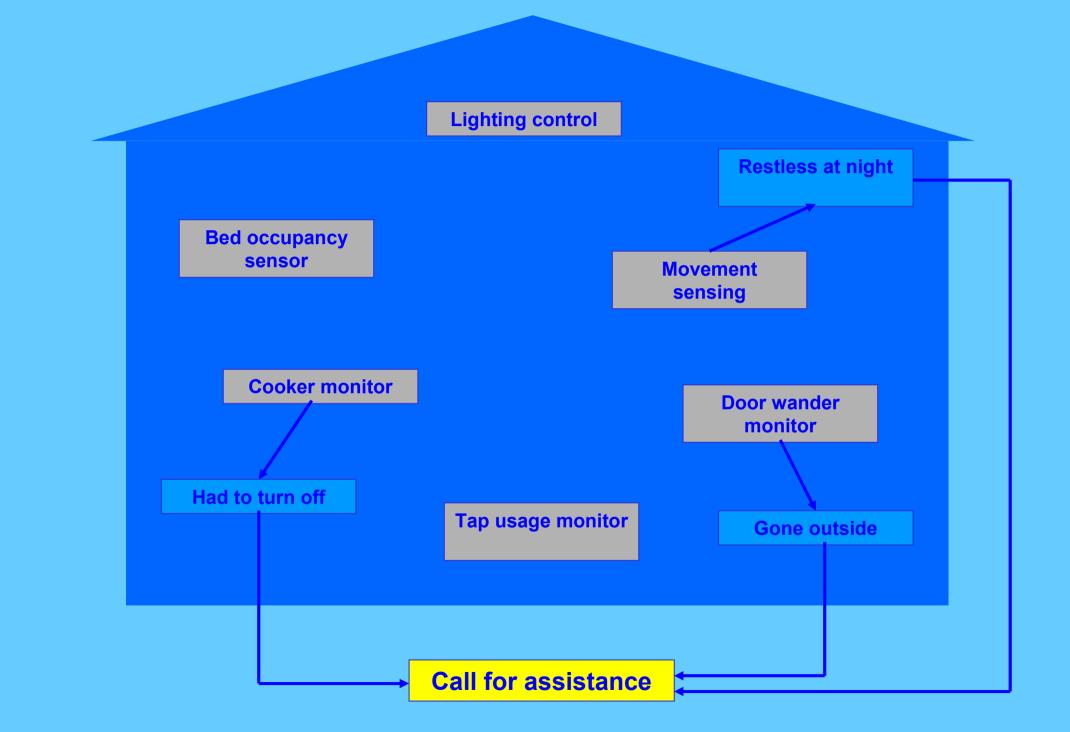


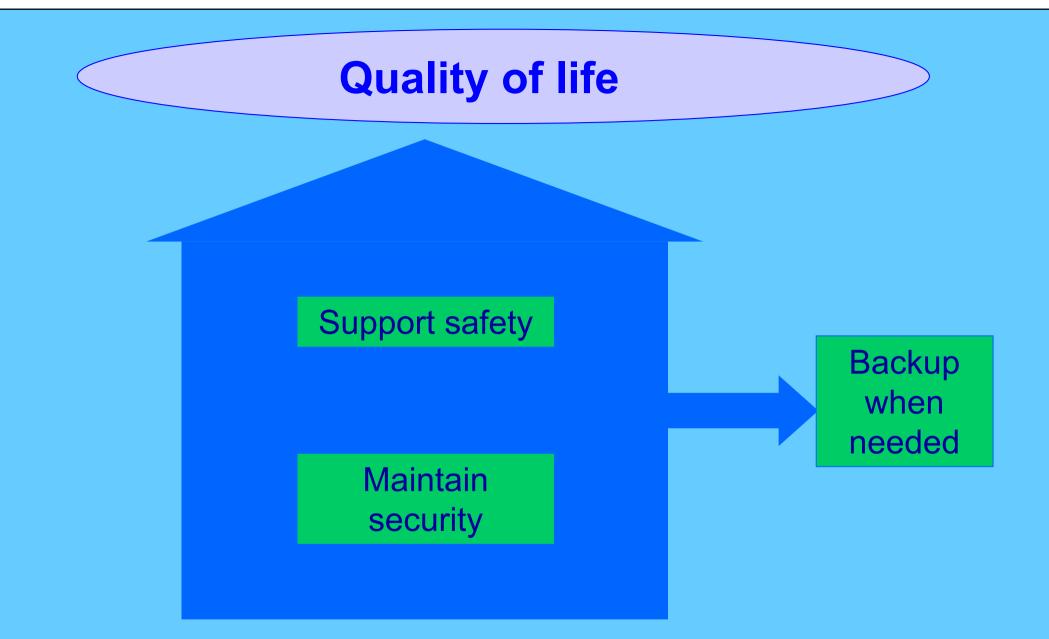


#### **Gloucester smart house**



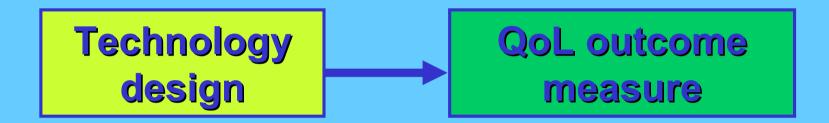






But there is more to life than just being safe and secure.....

Approach developed







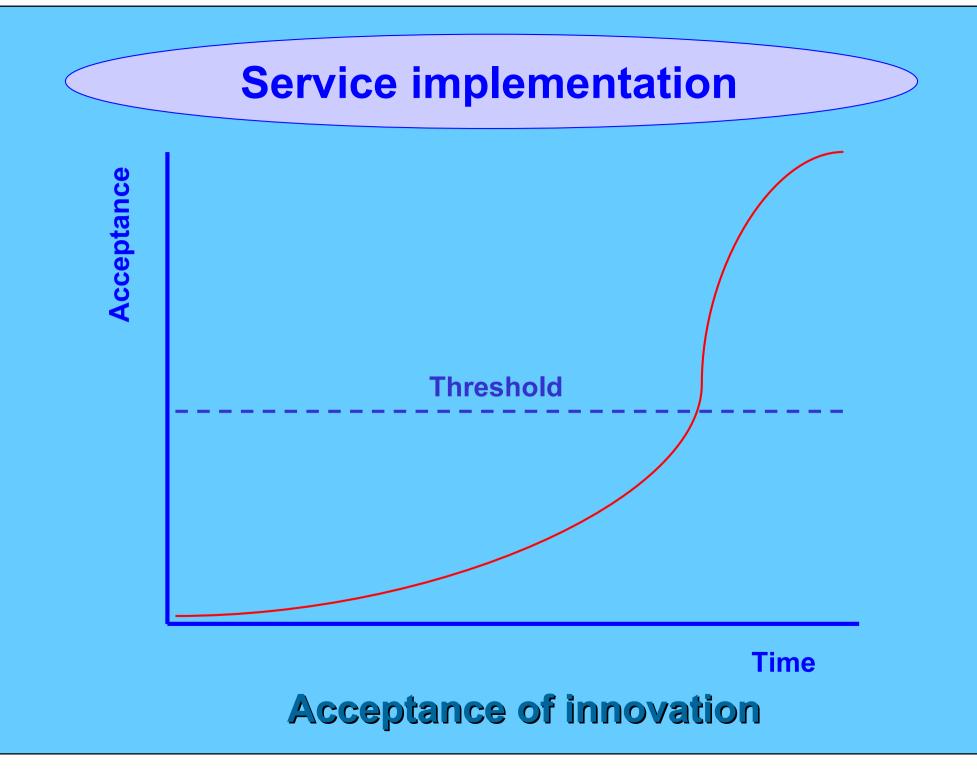
- identity and personal history
- enabling relationships
- encouraging social engagement
- conversation prompting
- music
- supporting activity sequences
- access to nature
- creative activities

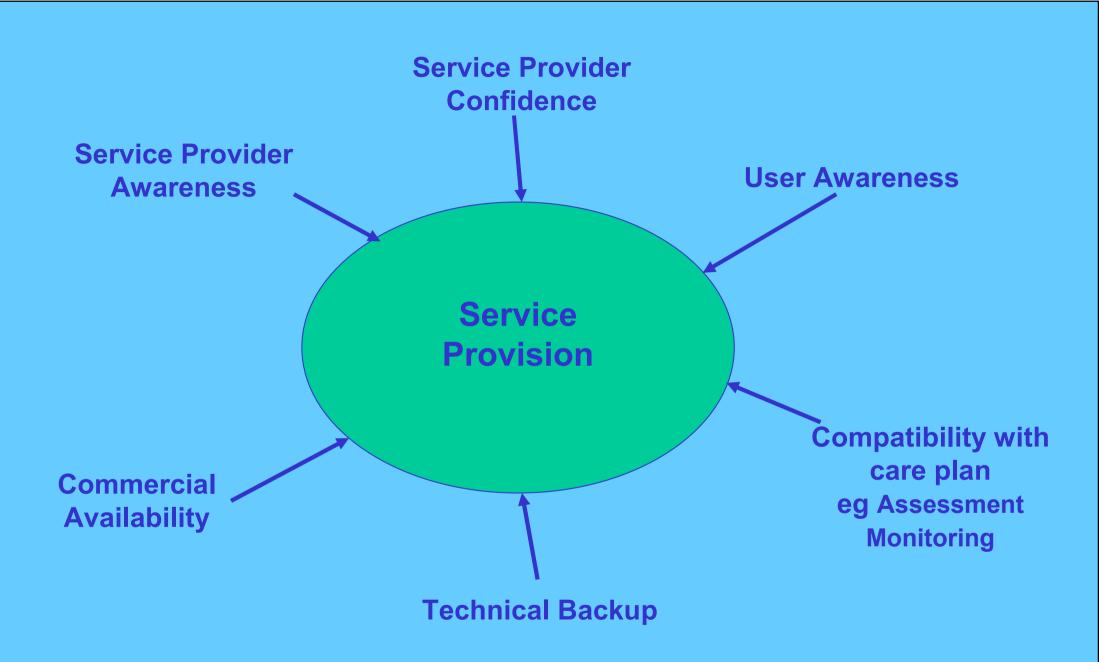














## User-led development work



### Evaluations of complete installations



### Evaluations of stand-alone devices



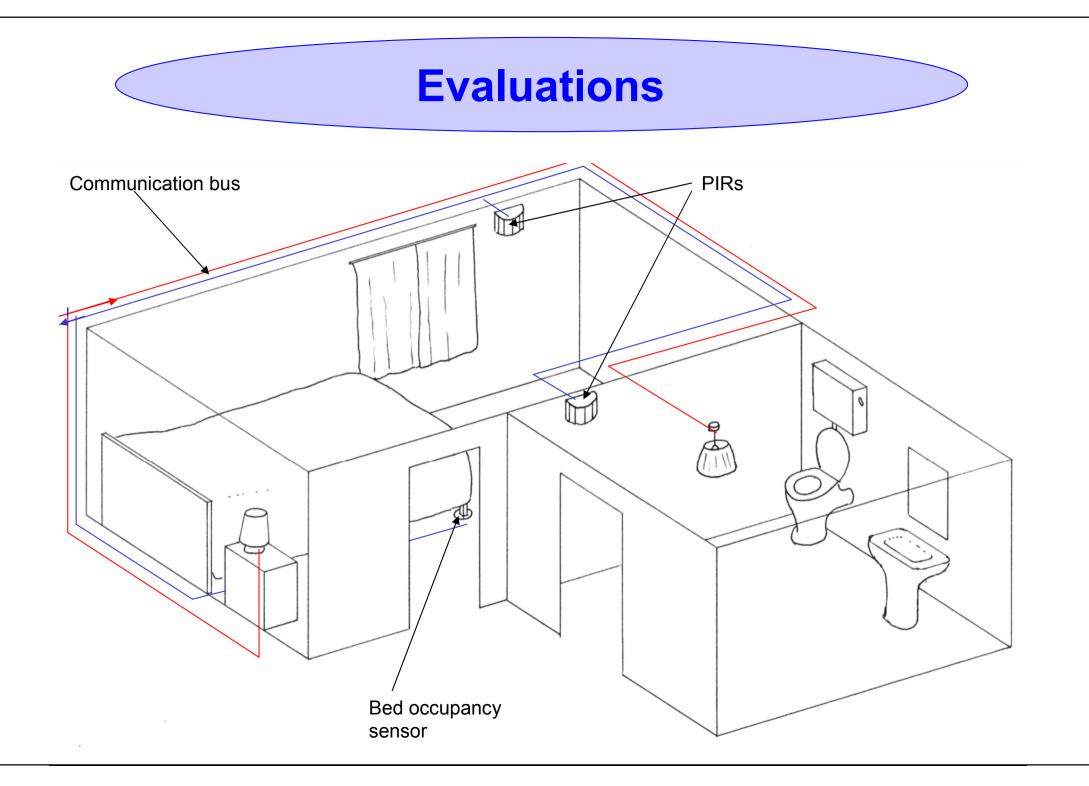
### **Stand-alone devices**



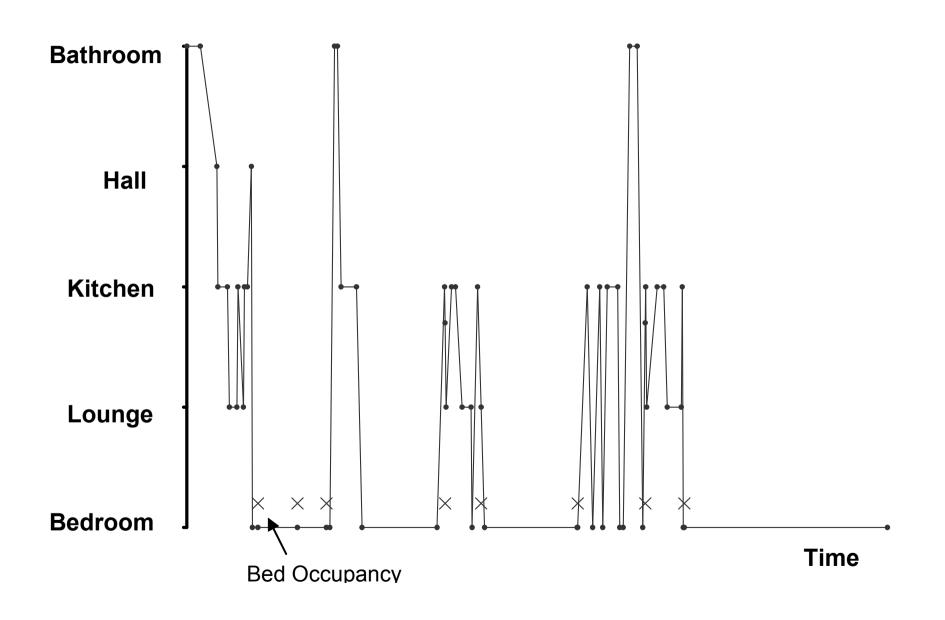


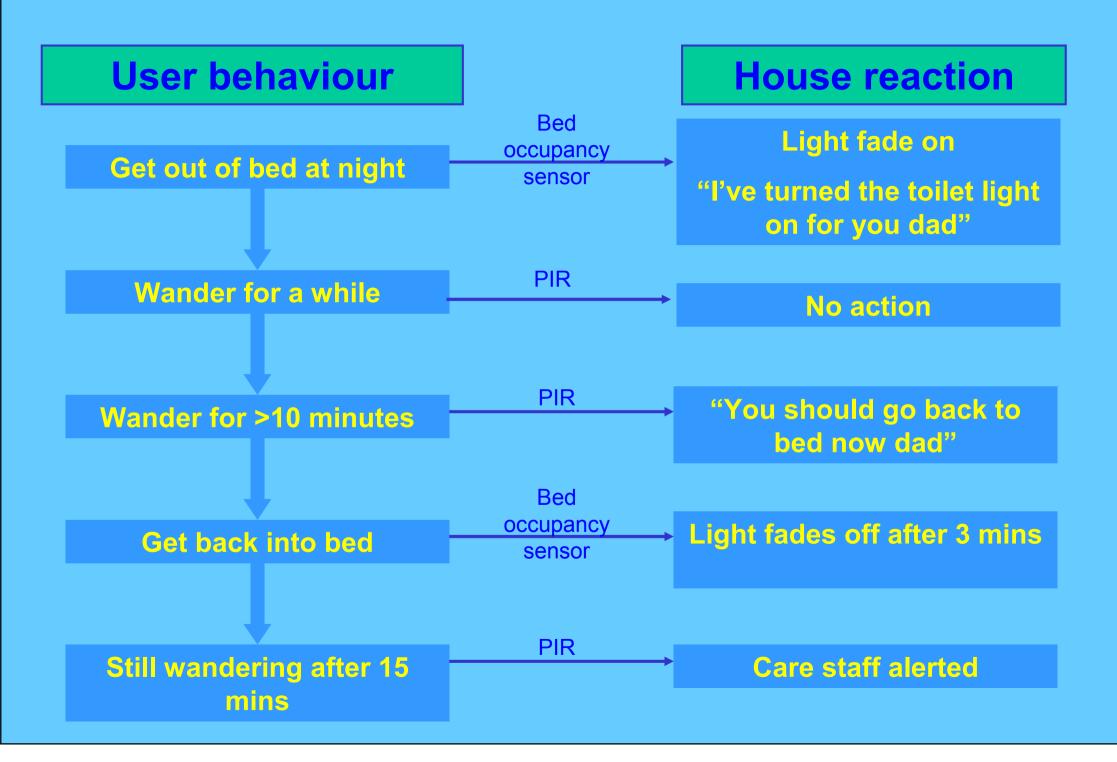




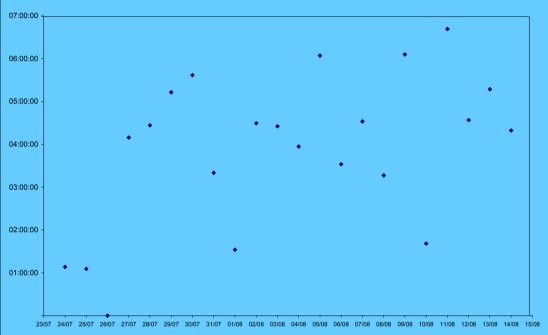






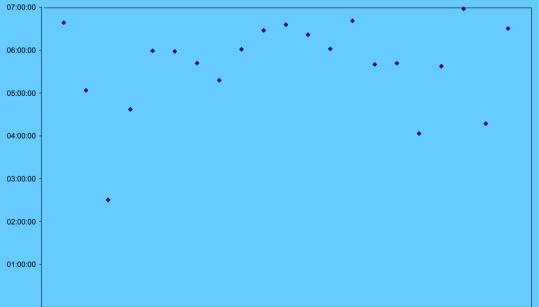


#### Impact on sleep duration



**Just sensing** 

#### Support turned on



14/08 15/08 16/08 17/08 18/08 19/08 20/08 21/08 22/08 23/08 24/08 25/08 26/08 27/08 28/08 29/08 30/08 31/08 01/09 02/09 03/09 04/09 05/09

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