



beams
connecting patients and nurses

**The World's Only Acoustic Bedside Equipment
Critical Alarm Monitoring System**

What is the problem?

The increasing number of single-bed patient rooms in UK hospitals, increases the risk of alarms going unheard through walls and closed doors.

Potential clinical impact:

- Patients failing to get the prescribed amount of medication
- Deterioration of patient's health
- Serious injury
- Death



Potential psychological impact

Patients and staff are impacted by unanswered alarms increasing levels of noise, stress and anxiety.

Alarm fatigue

Exposure to high numbers of alarms desensitizes staff to the sounds, making it hard to hear and recognize alarms.

Cost of litigation

Between 2016 and 2021 3,266 claims were made against the NHS for inadequate nursing care, infusion and intubation problems costing £247,260,120.

The solution – BEAMS

Developed at the request of Sheffield Children's Hospital to address increased risk of unheard alarms from new build single-bed rooms. BEAMS is now in use in 70 patient rooms at the Trust.

saves time



connecting patients and nurses

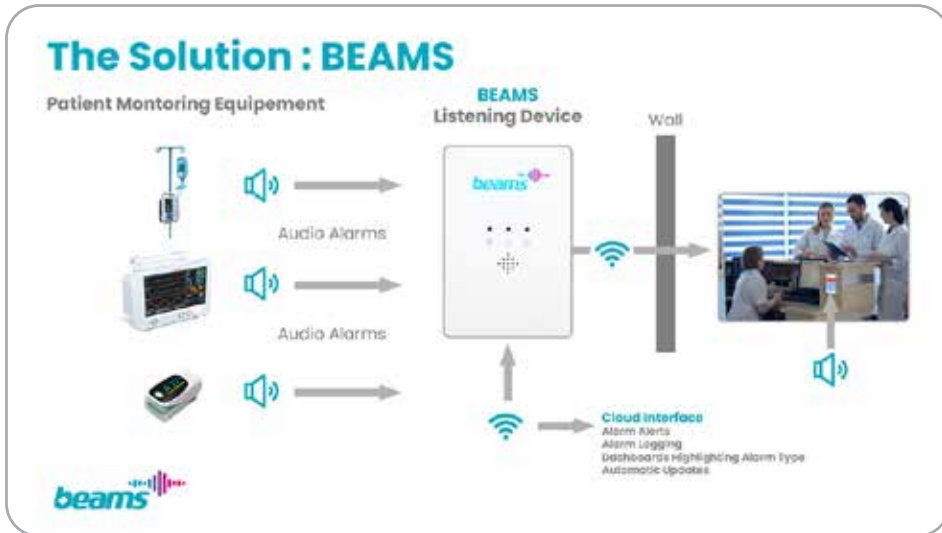
The World's Only Acoustic Bedside Equipment Critical Alarm Monitoring System



The multi-award-winning BEAMS (Bedside Equipment Alarm Management System) is the only acoustic monitoring system for all critical bedside alarms, no matter what device. It integrates a digital platform with audible monitors, a speaker system and nurse consoles.

BEAMS improves response times to device alarms in single-bed patient rooms and four to six bay wards, improving patient safety and providing better staff workflow.

BEAMS identifies irrelevant background noise in patients' rooms, alerting nurses only when a medical alarm is triggered. It is mains-operated and does not integrate with hospital IT systems.



[Click here to see more about BEAMS](#)

saves money

Why BEAMS helps

The multi-award-winning BEAMS helps keep your patients safe by ensuring that staff are fully aware of all bedside alarms and which alarms are a priority, even if they can't be heard behind a closed door.

The BEAMS system can improve patient care without increasing staffing levels; it is a great example of managing costs and improving patient safety through innovation.



Less time looking for alarms which are sounding. More time nursing

Improving patient experience, reducing anxiety and impact on sleep

Ensures prompt responses to critical alarms reducing risks to patients

Improves patient safety as alarms can be heard and responded to quickly

Improves staff satisfaction and wellbeing

Improves infection control so room doors can be kept shut

Improves response times and greatly reduces the number of alarms going unanswered

Easy installation with minimum disruption to patients and infrastructure

Return on investment through reduced risk of claims and effective use of existing devices

See more at www.tutummedical.com



saves lives

Sheffield Children's Hospital

The successful BEAMS system has now been installed in 70 single occupancy rooms across six wards in the hospital and improves response times to equipment alarms and helps ensure alarms do not go unheard.



BEAMS trial at Sheffield Children's Hospital

The clinical trial was structured to statistically compare alarm data collected before and after the BEAMS nurse call interface was implemented and nurses were alerted to patient alarms by the system.

In conclusion, this clinical trial demonstrated that BEAMS produced an 84% reduction in the maximum response time to alarms and a 74% reduction in average alarm response times. It is the combination of superior hardware and state of the art technology that allows BEAMS to reduce staff response times, improve patient care and increase staff productivity.



[Click here to watch the video on YouTube](#)

"The BEAMS system improves patient care without increasing staffing levels; it is a great example of managing costs and improving patient safety through innovation."

Professor Derek Burke FRCSEd FRCER FRCPC
Former Medical Director, Sheffield Children's Hospital

"BEAMS gives us the assurance and support for both the nursing staff and families that their care and safety is a priority to us. Patients and parents will know that if an alarm is sounding their nurse will respond, particularly when they do not feel able to call the nurse themselves."

Susan Ievers Sheffield Children's Hospital Clinical Lead Matron

See more at www.sheffieldchildrens.nhs.uk



Significant improvement in response times to critical alarms



Interested in a free trial of our latest product BEAMS?



Call Us

Call us on **01246 819100** to speak with a member of our team.



Email Us

Email us at info@tutummedical.com and one of our team will quickly get back to you.

BEAMS is suitable for NHS hospitals, private hospitals, hospices and critical care units



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