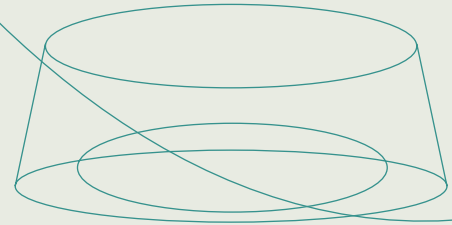
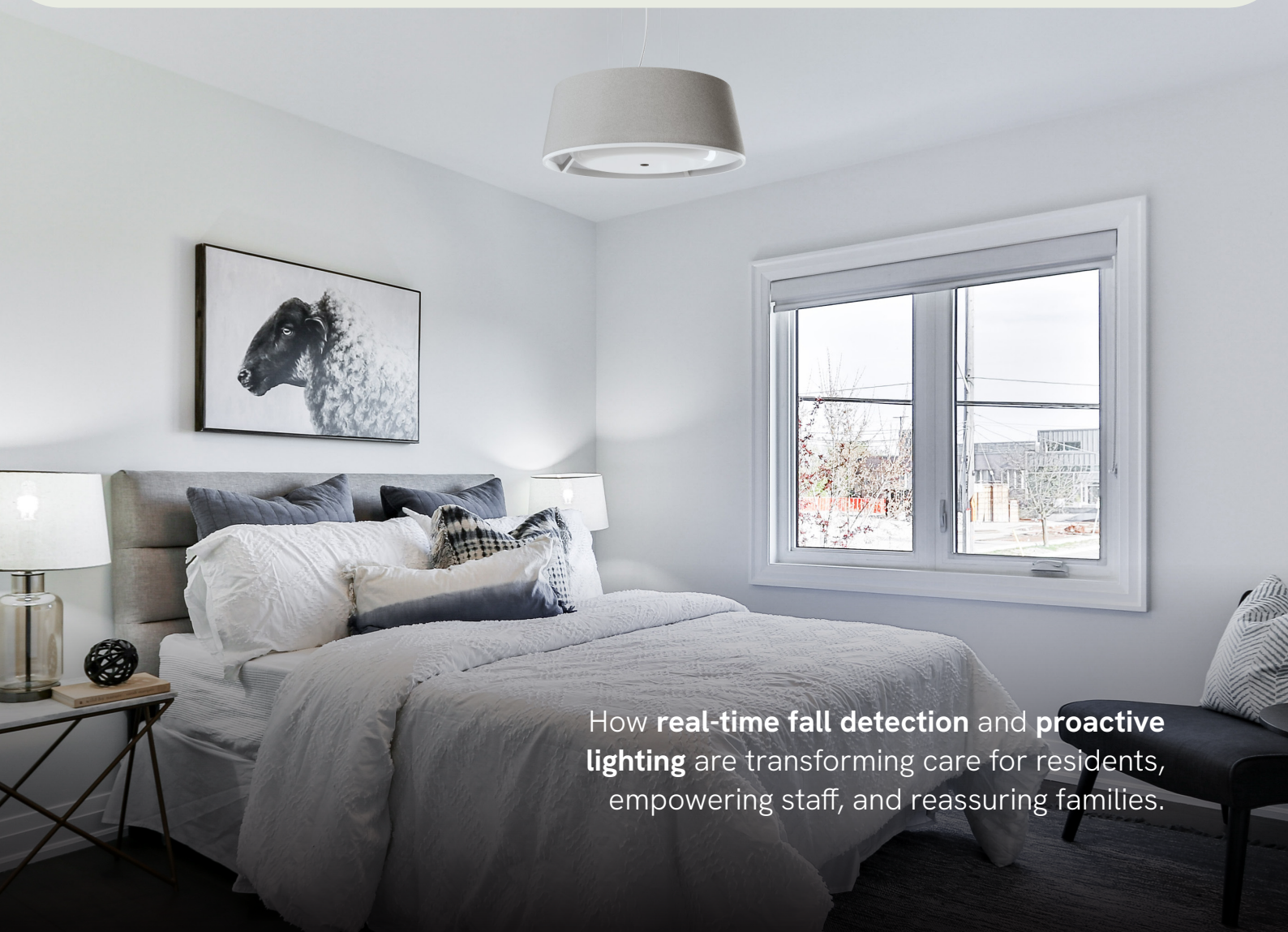


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Nobi Smart Lights at Dudbrook House: enhancing safety, dignity and care through technology



How **real-time fall detection** and **proactive lighting** are transforming care for residents, empowering staff, and reassuring families.



About Dudbrook House

Dudbrook House is a newly built, purpose-designed care home located in Kelvedon Common, Essex. Opened in October 2023 by St Michaels Homes Ltd, a family-run care provider established in 1991, the home reflects decades of experience in supporting older adults, particularly those living with dementia. Founded by the late Sheila Watson, a trained nurse, midwife, and health advisor to the elderly, and now led by her children Claire and Sean, the home embodies a philosophy where compassionate care flows from leadership to every member of staff.

The building is split across two floors, with the upper level dedicated to dementia care. Nobi Smart Lights have been installed across Dudbrook House to support fall prevention and safety.

In total, **150 rooms** across Dudbrook House are now equipped with Nobi Smart Lights, making it **one of the largest deployments of the technology in a UK care home.**

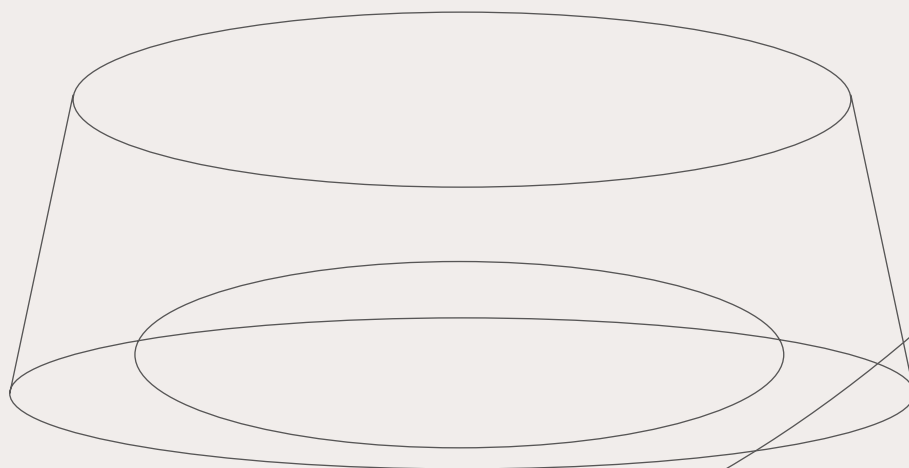
The Challenge

Falls are one of the most critical challenges in elderly care, particularly for residents living with dementia.



At Dudbrook House, many residents face mobility issues and cognitive impairments that increase their risk of falling, especially during the night or when moving independently. Traditionally, fall prevention relied on floor mats, hourly checks, and reactive care, which placed significant pressure on staff and often led to delayed responses.

When the idea of introducing smart technology was first proposed, there was understandable scepticism. Sean Watson, Director at St Michaels Homes, recalls initial concerns about whether the technology would truly integrate into the home's person-centred care model. However, the scale of the fall risk and the impact on residents, families, and NHS resources made it clear that a new approach was needed.



The Solution – Nobi Smart Lights

In partnership with Essex County Council, Dudbrook House introduced Nobi Smart Lights in early 2024.

Natasha from Essex County Council played a key role in the discovery and implementation strategy, ensuring the lamps were tailored to the needs of the residents and care team.



Nobi Smart Lights combine AI-powered fall detection with proactive lighting. Installed discreetly on the ceiling, they detect falls in real time and alert staff within seconds, enabling faster response times and reducing the risk of long-lie falls. The lamps also illuminate automatically when residents get out of bed at night, helping prevent falls in low-light conditions.



"The lights make me feel relieved when I walk into work."

– **Jo Moss**, Team Leader at Dudbrook House



"The technology has seamlessly integrated into daily routines without disrupting the warm, homely atmosphere. Nobi has helped to reduce over 6 hours of admin work, including carers taking patients to the hospital."

– **Claire Watson**, Director



"As my mother is living with dementia, Nobi brings me peace of mind."

– **Beverley Buckingham**, a volunteer and family member of a resident

Benefits Overview

Since installing Nobi Smart Lights, Dudbrook House has seen a measurable improvement in safety and care outcomes. The lights have enabled a **41.4% reduction in fall risk** and improved average time-to-assist by **69.5%**. Staff can respond faster, reducing the risk of complications and hospital admissions.



Significant reduction in fall risk

Fall risk dropped from 8.7 to 5.1 falls per 1,000 resident-days (RD), a 41.4% decrease, even from an already low baseline.



Eliminating long-lie incidents

Previously, 14.2% of falls resulted in long-lie incidents (>30 min), equivalent to ~1.2 per 1,000 RD. After activation, zero long-lie incidents were recorded across 10,877 resident-days.



Faster help after a fall

Average time-to-assist improved from 12 minutes 28 seconds to just 3 minutes 47 seconds, a 69.5% reduction.



Impact despite low baseline

Dudbrook's fall risk was already 81.4% lower than the UK portfolio average pre-activation and remained 82.5% lower post-activation, yet Nobi still delivered meaningful improvements.



More timely interventions

The proportion of interventions within 5 minutes rose from 50% to 80%, ensuring faster care and better outcomes.



Peace of mind and operational efficiency

Staff feel more supported, families more reassured, and unnecessary hospital trips have been avoided thanks to real-time insights and footage review.

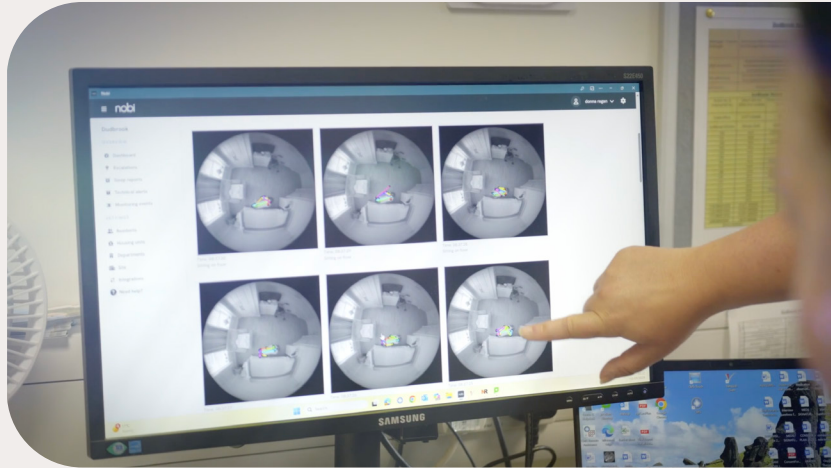
The technology has also saved time for care staff, eliminating the need for hourly night checks and allowing them to focus on more meaningful interactions. Families report greater peace of mind knowing their loved ones are monitored with dignity and discretion. Staff morale has improved, with carers feeling more supported and empowered in their roles.

In one notable incident, a paramedic reviewed footage from a Nobi light and confirmed that a resident had not sustained injury. This prevented an unnecessary hospital trip which reduced pressure on the NHS, and allowed the resident to remain comfortably at home.

Broader Impact

The introduction of Nobi Smart Lights at Dudbrook House has not only improved safety but also enhanced the overall experience of ageing. Residents feel more secure, families feel reassured, and staff can deliver care with greater confidence and efficiency.

Natasha Corness from Essex County Council sees the project as a model for future care innovation, where technology supports, rather than replaces, human connection. Sean Watson, Director, believes the success of Nobi at Dudbrook House reflects the home's commitment to evolving with the needs of its residents while staying true to its founding values.



By embracing smart technology, Dudbrook House is helping redefine what dignified, proactive dementia care can look like.



About the Partners

Dudbrook House is part of **St Michaels Homes Ltd**, a family-run care provider founded in 1991. With a legacy of clinical expertise and heartfelt care, the organisation is led by Claire and Sean Watson.

Essex County Council played a strategic role in the implementation of Nobi Smart Lamps, with Natasha leading the initiative to bring cutting-edge fall prevention technology to the dementia floor.

Alcove is an intelligent care service that enables independent living, helping to promise a better future for all.

Nobi is a pioneering smart care company whose intelligent lights are transforming fall detection and prevention in care homes across America, Europe and the UK.

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