



ULTRAGUARD MIST SYSTEM PREVENTS FIRE DEATH IN NORTHAMPTONSHIRE

CLIENT

Northampton Fire and Rescue Service

COMPANY SECTOR

Housing Association

KEY ELEMENTS

Safeguarding
Innovation



CLIENT BRIEF

Northamptonshire Fire and Rescue Service (NFRS) identified an 86-year-old resident in Wellingborough as being at extremely high risk due to immobility and heavy smoking. Living alone, the resident was particularly vulnerable to fire-related incidents. NFRS, in partnership with the Dementia Care Team of Northamptonshire County Council (NCC), sought a proactive solution to safeguard the resident by addressing these heightened risks.

PROJECT SOLUTION

In May 2012, NFRS collaborated with Ultra Surefire to install an UltraGuard water mist system in the resident's home. This system was chosen for its ability to rapidly detect and extinguish fires, offering continuous protection. The UltraGuard system was designed to activate upon detection of a fire, using an interlinked smoke detector to trigger the release of a fine water mist that would suppress and extinguish the fire before it could escalate. This solution was tailored to ensure the safety of the resident by providing immediate fire suppression, reducing the risk of injury or death in the event of a fire.

PROJECT RESULT

On the evening of October 26th, 2012, the UltraGuard system was put to the test when a fire broke out in the resident's home, caused by discarded smoking materials igniting nearby newspapers. The system activated within seconds, fully extinguishing the fire before the arrival of NFRS. As a result, the resident avoided any burns and suffered only minor smoke inhalation, which was treated on-site by paramedics. The room was quickly dried out, and the UltraGuard unit was recharged, allowing the resident to safely return home just hours after the incident. This successful intervention demonstrated the life-saving capability of the UltraGuard system, reinforcing its value as a critical protective measure for vulnerable individuals.

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