



CASE STUDY

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ULTRAGUARD PORTABLE MISTING SYSTEMS SAVE THREE LIVES

CLIENT

Derbyshire Fire and Rescue Service

COMPANY SECTOR

Housing Association

KEY ELEMENTS

Safeguarding
Innovation



CLIENT BRIEF

Derbyshire Fire & Rescue Service identified a critical need to protect vulnerable residents at heightened risk of fire-related injuries. Many of these individuals, including the elderly and those with limited mobility, were at significant risk due to factors such as heavy smoking and poor mental health. The Service sought an effective fire safety solution that could be quickly deployed to safeguard these at-risk individuals within their homes. The initiative was part of the broader "Think Sprinkler" campaign, which aimed to install Portable Misting Systems (PMS) across Derbyshire homes since 2011.

PROJECT SOLUTION

To address the fire risks faced by vulnerable residents, Derbyshire Fire & Rescue Service collaborated with local authorities and registered social landlords to install 37 Portable Misting Systems (PMS) in homes across Derbyshire. These systems were chosen for their ability to detect and extinguish fires rapidly, providing immediate protection to occupants. In particular, the Service focused on residents who were identified as heavy smokers with poor mobility, ensuring that the PMS units were strategically placed to cover high-risk areas within their homes. The installations were part of the ongoing effort to fit domestic sprinklers or misting systems into as many homes as possible



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PROJECT RESULT

The effectiveness of the Portable Misting Systems was demonstrated in three separate incidents, all within a short span of time.

- Incident 1: A PMS installed in the home of a 91-year-old heavy smoker in Sandiacre extinguished a fire that started in a rubbish bin next to the occupant's chair, likely saving her life.
- Incident 2: Another PMS activated in the home of a 93-year-old woman in Doveridge after a small bathroom fire began. The system not only suppressed but completely extinguished the fire before it could spread.
- Incident 3: A 68-year-old man's home in Derby was saved when his unattended cooking ignited, but the PMS quickly extinguished the fire before it could cause significant damage.

In each case, the PMS proved crucial in preventing potential tragedies. The success of these installations reinforced the importance of Derbyshire Fire & Rescue Service's commitment to protecting vulnerable residents and validated the ongoing "Think Sprinkler" campaign. These incidents highlighted the lifesaving impact of Portable Misting Systems, emphasizing the need for continued efforts to equip more homes with these vital safety systems.