



ULTRAGUARD PREVENTS FIRE IN HUNTINGDONSHIRE HOME

CLIENT

Cambridgeshire Fire & Rescue

COMPANY SECTOR

Residential

KEY ELEMENTS

Safeguarding Innovation



CLIENT BRIEF

In June 2020, Cambridgeshire Fire and Rescue Service (CFRS) identified a high-risk resident in Huntingdonshire whose vulnerability necessitated enhanced fire protection measures. The resident's habit of smoking indoors presented a significant fire hazard, as evidenced by a previous incident where a discarded cigarette ignited a fire in a plastic bin. CFRS partnered with a local housing provider to install a personal protection system (PPS), designed to suppress fires and alert emergency services immediately, thereby safeguarding the resident and minimizing property damage.

PROJECT SOLUTION

TCFRS installed a self-contained, portable PPS unit in the resident's home. This misting system functions similarly to traditional sprinklers but is tailored for single-room fire suppression, ensuring minimal property damage while effectively extinguishing fires. The PPS is integrated with CFRS's Combined Fire Control, which receives an alert when the system activates. In the June 2020 incident, the smoke from the ignited bin triggered the PPS, which promptly released a fine mist, containing and extinguishing the fire before it could spread to the resident's chair. This swift action enabled fire crews to arrive and rescue the resident, who was treated for smoke inhalation by the Ambulance Service.



CASE STUDY

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PROJECT RESULT

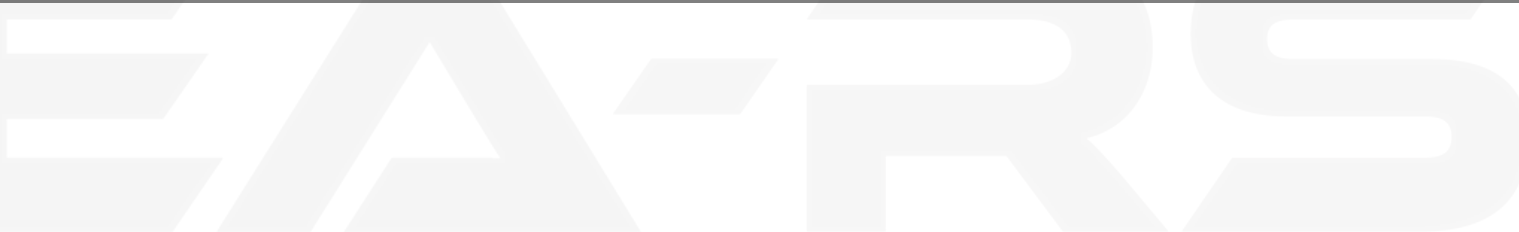
The PPS installation proved life-saving, preventing a potentially devastating fire and allowing the resident to avoid severe injury. The minimal property damage meant the home could be quickly restored to a habitable condition by the housing provider. Group Commander Paul Clarke, Head of Fire Prevention for CFRS, praised the system's effectiveness, noting that it not only suppressed but extinguished the fire, saving the resident's life.

CFRS's proactive approach, in collaboration with local authorities and housing providers, has led to the installation of 17 PPS units across Cambridgeshire, with plans for more. These systems are especially beneficial for residents with higher fire risks, such as those needing in-home oxygen therapy or with limited mobility. CFRS also ensures ongoing safety by servicing the systems and conducting welfare checks every six months. This initiative underscores the commitment to protecting the most vulnerable community members from fire hazards, enhancing their safety and reducing the risk of fully developed fires that could threaten multiple properties and lives.



"We are committed to doing all that we can to ensure those vulnerable residents most at risk from a fire in the home across the county are protected from fire. Installing these systems is part of the wide ranging activity our staff continue to complete regardless of the current lockdown conditions, with two more premises identified for installations in the near future. All these measures support our service aim to ensure there are no preventable fire deaths in Cambridgeshire.

GROUP COMMANDER, Paul Clarke



Email: onesolution@ea-rs.com | Telephone: **0800 999 8866**

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