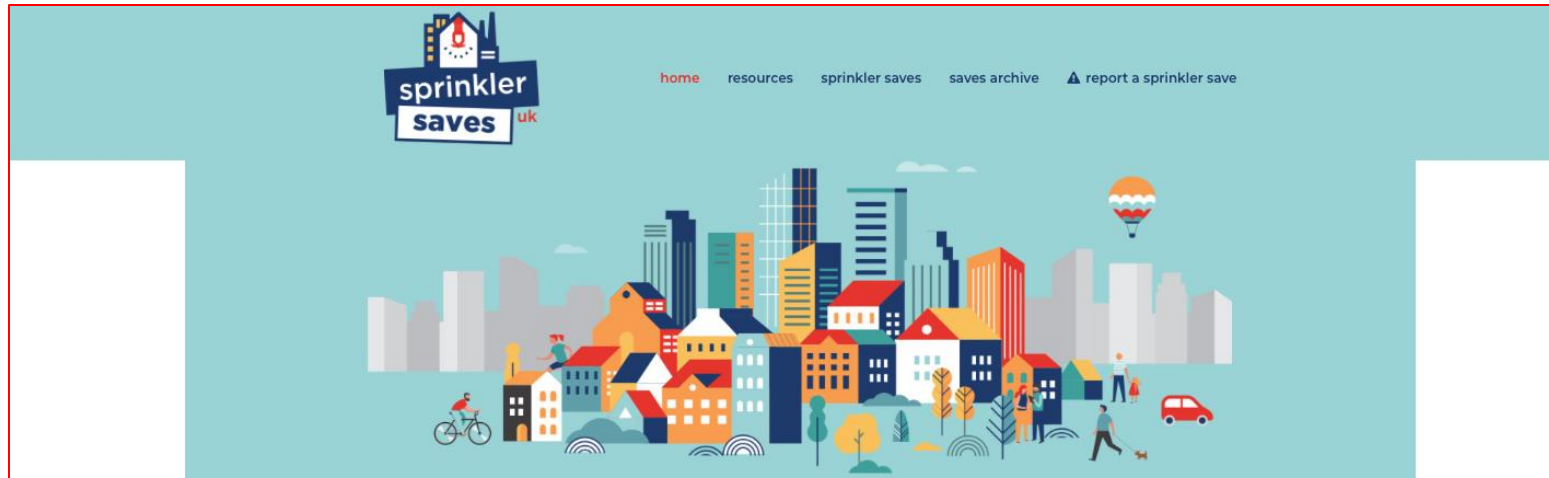






NFSN SPRINKLER SAVES DECEMBER UPDATE



Navigation: [home](#) [resources](#) [sprinkler saves](#) [saves archive](#) [report a sprinkler save](#)

Sprinklers are proven to

-  SAVE LIVES AND PROPERTY
-  IMPROVE FIREFIGHTER SAFETY
-  MINIMISE ENVIRONMENTAL DAMAGE
-  REDUCE ECONOMIC LOSS

This is why we have been calling for them to be used more widely

The most recent UK research was commissioned by The National Fire Chiefs Council (NFCC), National Fire Sprinkler Network (NFSN) and supported by BAFSA in the publication, "Efficiency and Effectiveness of Sprinkler Systems in the United Kingdom: An Analysis from Fire Service Data". [View the Report >](#)

A further report now adds weight to the argument that sprinklers also have a role to play in reducing harm and protecting vulnerable people. [View the Report >](#)

SPRINKLERS ARE

- 94**
%
EFFICIENT IN THEIR ABILITY TO OPERATE
- 99**
%
EFFICIENT IN EXTINGUISHING OR CONTROLLING A FIRE

Sprinkler Saves UK



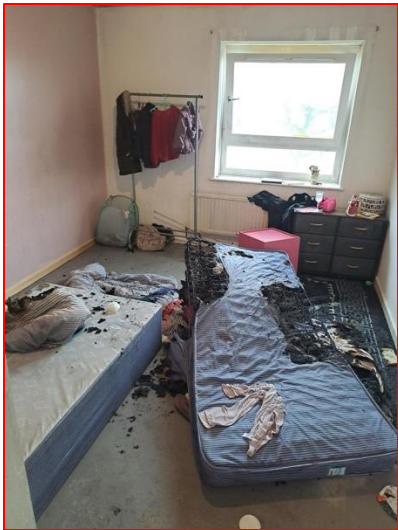
Hosted and coordinated



Supported by



Sprinkler saves tell a story they bring the incident to life

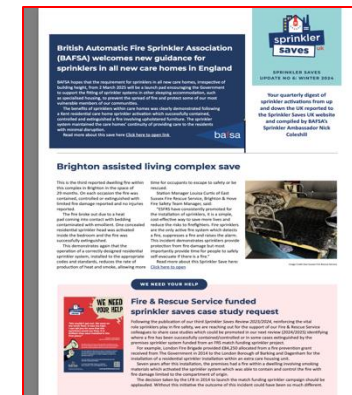
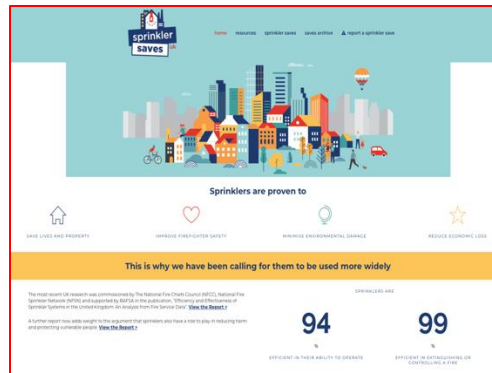


Credit SYFRS

- Each Sprinkler Save captured provides a real-world example of the power of fire sprinklers.
- These are real and tangible examples.
- Where sprinklers have contained/controlled or in some cases extinguished a fire.
- Minimising property damage, protecting the environment, the lives of firefighters and members of the public.

Objective of reporting sprinkler saves?

- ▶ To influence policymakers to make change making sprinklers the norm not the exception following the lead of Wales/Scotland
- ▶ To entice those in business, housing providers, architects and residents on the benefits of sprinklers, driving a culture so the benefits of sprinklers are understood
- ▶ Providing an extra tool/resource in our locker promoting the benefits of sprinklers, the outcome of which will see a greater inclusion of Sprinklers in the built environment in the UK.





Agenda

- Promoting sprinkler saves
- Reporting sprinkler saves to MP's
- CPD, Awareness of Automated Fire Sprinkler Systems
- Sprinkler save reviews



Promoting Sprinkler Saves

- ▶ Sprinkler saves website, quarterly updates, annual review BAFSA communications, LinkedIn social media etc.
- ▶ NFSN/NFCC, promoted on their websites

Can we do more?

- ▶ Consideration for the NFSN to inform the membership of individual sprinkler saves, publications via email.
- ▶ FRS sprinkler leads, actively promoting activations/publications to their FRS communication teams, colleagues.
- ▶ Sprinkler saves to be more predominately promoted on FRS/Sprinkler company websites.
- ▶ Informing housing associations, local councils ?
- ▶ Targeting key decision makers such as the housing minister?
- ▶ Informing MP

Posts

From my network Past 24 hours Past week

BAFSA - British Automatic Fire Sprinkler Association
bafsa 2,445 followers
1d · Edited ·

The benefits of retrofitting a life safety residential sprinkler system were clearly identified following a bedroom fire within a general needs residential block of flats housing a diverse range of tenants in Doncaster at the end of November.

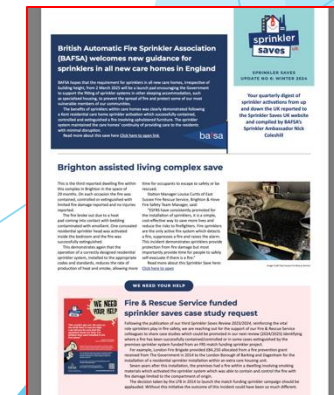
The fire was extinguished before the arrival of **South Yorkshire Fire and Rescue** by the activation of one residential sprinkler head within the flat with no further firefighting media required and no injuries reported.

This 14 storey tower development contains 83 flats and St Ledger Homes of Doncaster working with **Doncaster Council** took the decision to retrofit residential sprinkler systems into its nine tall building residential blocks as part of a package of fire safety measures to improve fire safety across its housing stock at a cost of £6m, with the sprinkler installation accounting for over half of the total spend.

As part of this project SYFR match funded this initiative by contributing £200,000 for the retrofitting of sprinklers within one of the blocks from their safer stronger communities' reserve fund.

Roger Brason, South Yorkshire Fire & Rescue (SYFR) sprinkler advocate and BAFSA Council Member says: "We've championed the use of sprinklers, particularly in high-rise buildings, for quite some time, so we're delighted that all of the blocks in Doncaster now have them. These devices not only help protect life, but help protect property too. In most cases, they will extinguish a fire completely and prevent it from spreading any further. The fact that people living in high-rise buildings across Doncaster now have such a high level of fire protection really is excellent news."

To read more about this save click here: <https://lnkd.in/d/z8dFEzS>



Sprinkler Saves Update No 6 Winter 2024



SPRINKLER SAVES
UPDATE NO 6: WINTER 2024

Your quarterly digest of sprinkler activations from up and down the UK reported to the Sprinkler Saves UK website and compiled by BAFSA's Sprinkler Ambassador Nick Coleshill

British Automatic Fire Sprinkler Association (BAFSA) welcomes new guidance for sprinklers in all new care homes in England

BAFSA hopes that the requirement for sprinklers in all new care homes, irrespective of building height, from 2 March 2025 will be a launch pad encouraging the Government to support the fitting of sprinkler systems in other sleeping accommodation, such as specialised housing, to prevent the spread of fire and protect some of our most vulnerable members of our communities.

The benefits of sprinklers within care homes was clearly demonstrated following a Kent residential care home sprinkler activation which successfully contained, controlled and extinguished a fire involving upholstered furniture. The sprinkler system maintained the care homes' continuity of providing care to the residents with minimal disruption.

Read more about this save here [Click here to open link](#)



Brighton assisted living complex save

This is the third reported dwelling fire within this complex in Brighton in the space of 29 months. On each occasion the fire was contained, controlled or extinguished with limited fire damage reported and no injuries reported.

The fire broke out due to a heat pad coming into contact with bedding contaminated with emollient. One concealed residential sprinkler head was activated inside the bedroom and the fire was successfully extinguished.

This demonstrates again that the operation of a correctly designed residential sprinkler system, installed to the appropriate codes and standards, reduces the rate of production of heat and smoke, allowing more time for occupants to escape to safety or be rescued.

Station Manager Louisa Curtis of East Sussex Fire Rescue Service, Brighton & Hove Fire Safety Team Manager, said:

"ESFRS have consistently promoted for the installation of sprinklers, it is a simple, cost-effective way to save more lives and reduce the risks to firefighters. Fire sprinklers are the only active fire system which detects a fire, suppresses a fire and raises the alarm. This incident demonstrates sprinklers provide protection from fire damage but most importantly provide time for people to safely self-evacuate if there is a fire."

Read more about this Sprinkler Save here: [Click here to open](#)



Image Credit East Sussex Fire Rescue Service

WE NEED YOUR HELP

Fire & Rescue Service funded sprinkler saves case study request

Following the publication of our third *Sprinkler Saves Review 2023/2024*, reinforcing the vital role sprinklers play in fire safety, we are reaching out for the support of our Fire & Rescue Service colleagues to share case studies which could be promoted in our next review (2024/2025) identifying where a fire has been successfully contained/controlled or in some cases extinguished by the premises sprinkler system funded from an FRS match funding sprinkler project.

For example, London Fire Brigade provided £84,250 allocated from a fire prevention grant received from The Government in 2014 to the London Borough of Barking and Dagenham for the installation of a residential sprinkler installation within an extra care housing unit.

Seven years after this installation, the premises had a fire within a dwelling involving smoking materials which activated the sprinkler system which was able to contain and control the fire with fire damage limited to the compartment of origin.

The decision taken by the LFB in 2014 to launch the match funding sprinkler campaign should be applauded. Without this initiative the outcome of this incident could have been so much different.



Round up of news and activities from Sprinkler Saves Uk

- Emollient cream, Brighton Assisted living complex activation
- Incense candle, Nottinghamshire student accommodation fire
- Reporting sprinkler saves to MP's
- South Wales retrofitting sprinkler save 13 years after installation
- LFB September sprinkler activations update

We need your support to promote this and future publications

- To your network
- Stakeholders, partners, housing associations, councils
- Workforce, principal officers

The outcome of which will create/traction for the reporting of sprinkler activations

Reporting Sprinkler Saves to MP's

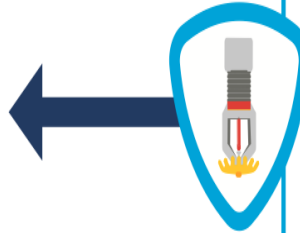
- ▶ Are we targeting the appropriate audience allowing a greater inclusion of Sprinklers in the built environment in the UK?

Reporting Sprinkler Saves to MP's

To raise awareness of the good work that sprinklers do, BAFSA is launching a new initiative to provide authoritative information to local MP's on the benefits of sprinkler systems and how sprinklers can play a significant role in saving life and property from the devastating effects of fire by reporting sprinkler saves from their constituency.

This will help us in our continued campaign to lobby government to introduce tougher sprinkler rules making the installation and retrofitting of sprinklers mandatory in all buildings we are particularly concerned about:

- Buildings housing vulnerable residents
- Residential buildings
- Schools
- Carparks
- Storage and warehouses
- Hospitals

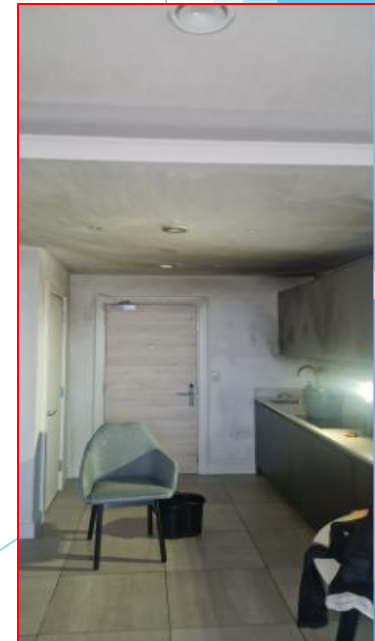


We welcome the Government's proposal to install sprinklers in all new purpose-built care homes but urge further action on other buildings housing vulnerable members of the community such as specialised housing regardless of height.

- Communication forwarded to local MP
- Nadia Whittome MP informed of October, Nottingham student accommodation fire.
- Objective, educating/promoting the benefits of sprinklers
- Influencing policy makers



Credit image NFRS

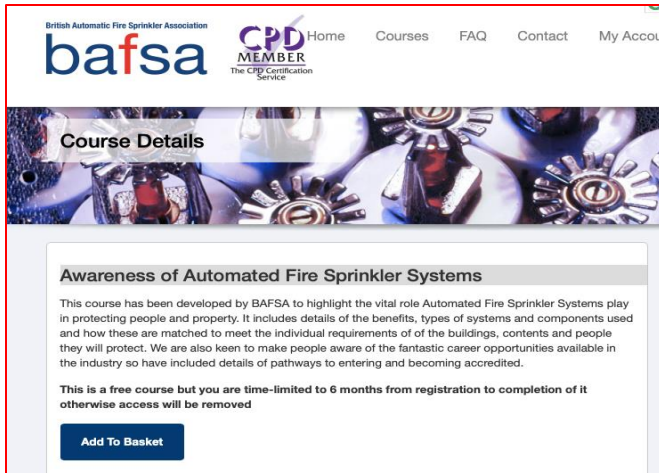


Credit image Uk Sprinklers Ltd

Educate And In Form

Awareness of Automated Fire Sprinkler Systems

- ▶ Online CPD accredited course developed by BAFSA
- ▶ Resource to upskill people on the benefits of sprinklers
- ▶ Educate and Inform
- ▶ Puts the myths to bed
- ▶ Highlight's the vital role Automated Fire Sprinkler Systems play in protecting people and property.
- ▶ The benefits, types of systems and components used
- ▶ How these are matched to meet the individual requirements of of the buildings, contents and people they will protect.



The screenshot shows the BAFSA website interface. At the top, there is a navigation bar with the BAFSA logo, a CPD Member badge, and links for Home, Courses, FAQ, Contact, and My Account. Below the navigation bar is a banner image of fire sprinkler components with the text 'Course Details'. The main content area features the course title 'Awareness of Automated Fire Sprinkler Systems' and a descriptive paragraph: 'This course has been developed by BAFSA to highlight the vital role Automated Fire Sprinkler Systems play in protecting people and property. It includes details of the benefits, types of systems and components used and how these are matched to meet the individual requirements of of the buildings, contents and people they will protect. We are also keen to make people aware of the fantastic career opportunities available in the industry so have included details of pathways to entering and becoming accredited.' Below the text, there is a note: 'This is a free course but you are time-limited to 6 months from registration to completion of it otherwise access will be removed.' At the bottom of the course details, there is a blue 'Add To Basket' button.

Ruth Oliver, skills & qualifications.

Email, qualifications@bafsa.org.uk

Awareness of Automated Fire Sprinkler Systems

- 1 Introduction
- 2 The Benefits of Fire
- 3 The Fire Triangle
- 4 Fire Protection, Detection and Suppression Systems
- 5 History of Fire Sprinkler Systems
- 6 Fire Sprinklers and Fire Management
- 7 Fire Sprinkler Systems, Myths and Facts
- 8 Sprinklers for Life Safety
- 9 Sprinkler Saves
- 10 Types of Automated Fire Sprinkler Systems
- 11 Fire Sprinkler Systems - Legislation/Compliance
- 12 'Join Our Sprinkler World' Careers in this Sector
- 13 Assessment and Certification

Sprinkler Saves Review 2024-2025

- Publication date May 2025, in conjunction with sprinkler week?
- Foreword NFCC Chairman
- Promoted by BAFSA comms/marketing
- Consideration
 - NFSN Communication promoting this publication to its membership
 - FRS Sprinkler leads informing comms teams

Focusing on

- Case studies of 12 individual key sprinkler activations.
- Interrogating primary fire incident data for the period 2022-2023 where sprinklers were present having an impact.
- IRS data

Demonstrating how and why sprinklers make a difference to people, property and the environment when it comes to fire safety.



Sprinklers reported as present, having an impact from April 2024

Sprinklers Present

Occupancy	Sprinklers Present
Airport - terminal	2
Casino	1
Converted Flat/Maisonette Multiple occupancy-up to 2 stories	1
Factory	2
Flat/Maisonette	1
House single occupancy	2
Hospital	1
Hotel/Motel	2
Industrial	1
Purpose Built Flats/Maisonettes - 10 or more storeys	19
Purpose Built Flats/Maisonettes - 4 to 9 storeys	7
Purpose Built Flats/Maisonettes - Up to 3 storeys	1
Recycling plants	4
Sheltered Housing	3
Temporary housing	1
Student Accommodation	2
Temporary housing	1
Warehouse	1
Grand Total	52

Sprinklers Activated

Occupancy	Sprinklers Activated
Casino	1
Converted Flat/Maisonette Multiple occupancy-up to 2 stories	1
Factory	2
Flat/Maisonette	1
House single occupancy	2
Hospital	1
Hotel/Motel	1
Industrial	1
Purpose Built Flats/Maisonettes - 10 or more storeys	15
Purpose Built Flats/Maisonettes - 4 to 9 storeys	5
Purpose Built Flats/Maisonettes - Up to 3 storeys	1
Recycling plants	3
Sheltered Housing	2
Temporary housing	1
Student Accommodation	2
Grand Total	39

Sprinklers did not actuate

Occupancy	Sprinklers did not actuate
Airport - terminal	2
House single occupancy	1
Hotel/Motel	1
Purpose Built Flats/Maisonettes - 10 or more storeys	4
Purpose Built Flats/Maisonettes - 4 to 9 storeys	2
Recycling plants	1
Sheltered Housing	1
Warehouse	1
Grand Total	13

Reason system did not actuate

- Sprinkler system coverage was not provided within the fire affected area
- Insufficient heat from the fire to activate the sprinkler head

Sprinklers reported as present, having an impact within purpose-built block of flats

Occupancy	Sprinkler Activations
Purpose Built Flats/Maisonettes - 10 or more storeys	15
Purpose Built Flats/Maisonettes - 4 to 9 storeys	5
Purpose Built Flats/Maisonettes - Up to 3 storeys	1
Grand Total	21

Impact of system

Impact of sprinkler system	
Extinguished	16
Contained/controlled	4
Did not contain/control	1
Grand Total	21

Location of fire

Location of fire within Purpose Built Flats/Maisonettes	
Kitchen	8
Refuse store/bin room	4
Private balcony	2
Bedroom	2
Living room 2	2
Airing/drying cupboard/utility room/other	3
Grand Total	21

Ignition source

Ignition source	
Cooking	8
Cigarette, unsafe use of heat source/disposal	4
Electrical	4
Unknown	3
Candles/tea lights	1
Combustibles articles too close to heat source	1
Grand Total	21

Greater London Tall Residential fire

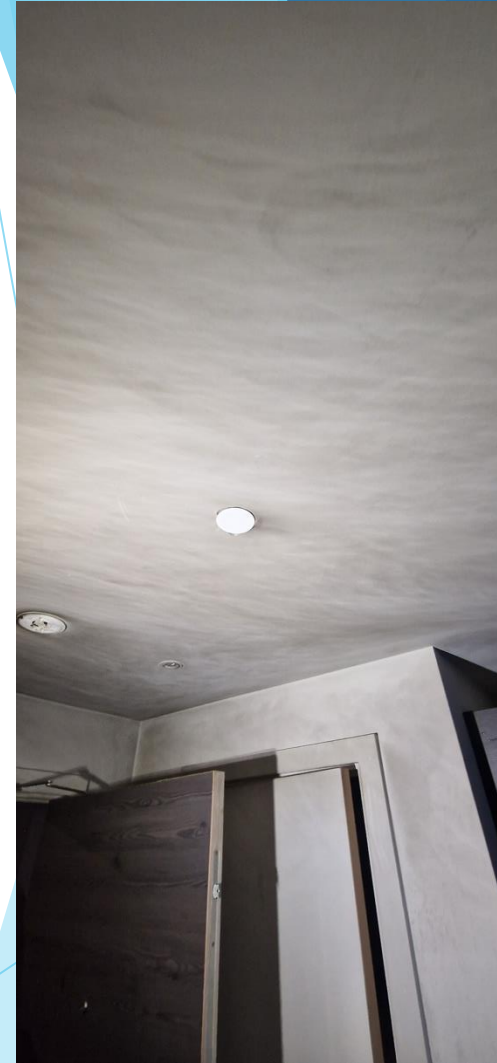
- 1x private balcony system did not contain/control the fire
- Unable to have an immediate detrimental effect on firefighting as sprinkler protection was not provided on the balcony
- Intensity of the fire resulted in the glazing adjacent to the balcony failing, allowing internal fire to spread within the flat resulting in the activation of 4 sprinkler heads
- Balcony was destroyed and a small part of the five roomed flat on the 25th floor was damaged by fire
- Accidental caused by the unsafe disposal of smoking materials

Greater Manchester Tall Building Kitchen Activation

- November 2024.
- Fire confirmed within a 17-storey tall residential building.
- The seat of the fire was within a one-bedroom apartment, involving a pan of oil which caught light on the cooker hob.
- The occupants self-evacuated their apartment with no injuries reported.
- 1 concealed residential pendent sprinkler head activated
 - i. Maintaining tenable conditions.
 - ii. Extinguishing the fire before the arrival of operational crews
 - iii. Containing the fire to the room of origin.



Credit images Uk Sprinklers Ltd



LFB October Reported IRS Sprinkler Activations

No	Date of Incident	Location	Use of building	Location of fire	Firefighting action	Fire Spread	Number of system heads operated	Location of System	Firefighting system impact
1	8 October	Hillingdon	Airport - terminal	Other	No firefighting	Limited to item 1st ignited	0	On same floor as fire	Not known
2	12 October	City of London	Purpose Built Flats/Maisonettes - 10 or more storeys	Private balcony	Water - from bucket/container	Limited to floor of origin	0	On same floor as fire	Not known
3	16 October	Southwark	Purpose Built Flats/Maisonettes - 10 or more storeys	Bathroom/Toilet	No firefighting		0	On same floor as fire	Not known
4	19 October	Hillingdon	Purpose Built Flats/Maisonettes - 4 to 9 storeys	Kitchen	No firefighting		1	In room of origin of fire	Extinguished
5	28 October	Hillingdon	Recycling plant	Process/Production room	Main branch/Jet (J)	Limited to room of origin	0	In room of origin of fire	Did not contain/control
6	31 October	Wandsworth	Boarding House/B&B other	Kitchen	No firefighting	Limited to room of origin	1	In room of origin of fire	Extinguished

- 6x incidents recorded of which 2 sprinkler activations were reported both extinguished by 1 sprinkler head
 - 1x within a Purpose-Built Flats/Maisonettes - 10 or more storeys
 - 1x within a boarding house/B&B
- In the remaining 4 incidents reference was made that the firefighting system impact was either not known or did not contain/control the fire

Supplementary evidence from the LFB confirmed

- Sprinkler system coverage was not provided within the fire affected area
- Insufficient heat from the fire to activate the sprinkler head

Dundee New Housing Development Bedroom Fire



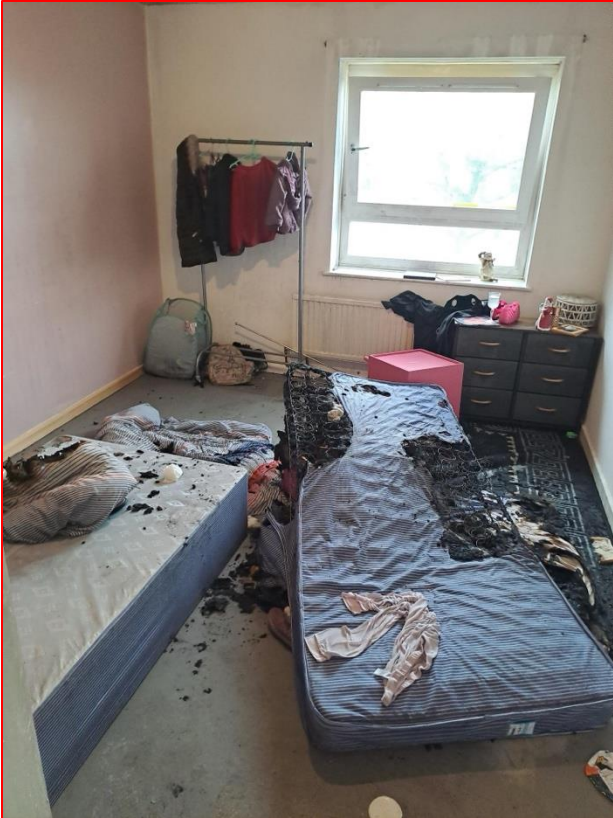
Credit image Discovery Fire Sprinklers Ltd



Summary of Incident

- 3 fire appliances were mobilised to reports of a confirmed fire.
- The seat of the fire was identified to involve the ground floor bedroom
- The fire was extinguished in the room of origin by the activation of 1 concealed pendent sprinkler head
- No injuries were reported.
- 5% fire damage to the room of origin with smoke staining on the walls.
- Major protracted incident averted allowing FRS resources to be released, redeployed to attend emergency incidents.
- Enquires are ongoing to identify the cause of the fire.
- As the incident was unfolding engineers representing Discovery Fire Sprinklers Ltd who installed the sprinkler system were driving past the incident providing valuable knowledge allowing the system to be isolated

Doncaster Retro-Fitted Flat Sprinkler Save



Credit SYFRS

- St Ledger homes of Doncaster installed sprinklers into its 9 high rise buildings working with Doncaster council as part of a package of fire safety measures to improve fire safety across its housing stock.
- SYFRS match funding contributed £200,000 to the installation of one of the buildings

The Incident

- General needs single staircase building of 14 storeys.
- Containing 83 flats housing a diverse range of tenants.
- Flat fire within a bedroom on the 3rd floor
- Extinguished by the activation of 1 sprinkler head
- Bedding too close to electric heater which caught light
- Minimal fire damage within the compartment of origin
- No injuries reported

Gloucestershire E-bike Battery Sprinkler Activation

- December
- Ground floor flat fire
- Electric battery on charge
- Extinguished by the activation of 1 sprinkler head
- 10 % fire damage
- BA, 2x Hose reels

2023 LFB Reported

Fastest growing fire trend

- On average a fire every two days
- Attending 143 e-bike fires, 36 E scooter fires
- 3 deaths
- 60 injuries

#ChargeSafe: E-bike and e-scooters are London's fastest-growing fire trend.

Whilst e-bikes and e-scooters offer a great way round the city, if the batteries become damaged or begin to fail, they can start incredibly ferocious fires.

Lithium battery fires can spread quickly out of control, and within seconds start a large fire. When these batteries are charged in communal areas or escape routes, a fire breaking out can quickly block people's ability to escape.

On average there was a fire every two days in 2023 in London. London Fire Brigade attended 143 e-bike fires along with 36 blazes involving e-scooters. Sadly, there were 3 deaths and around 60 injuries caused by these fires.

Many of these fires are caused by incompatible chargers, modifications to e-bikes, or faulty or counterfeit products which are purchased online. This includes chargers, lithium batteries and conversion kits for e-bikes.

London Fire Brigade's #ChargeSafe campaign wants to prevent fires in e-bikes and e-scooters and give simple safety tips to reduce the risk to the public and firefighters.

Questions?



WE NEED YOUR HELP

“We couldn’t get out. We were on the tenth floor. It was too high. I can tell you for sure that the sprinklers saved our lives. It is brilliant they were installed in the first place.”

Resident of sprinklered high-rise building in Birmingham

Sprinkler Saves UK documents sprinkler activations across the UK to provide a body of evidence to show that sprinklers save lives, protect people, property and the environment.

You can assist by informing us about a sprinkler activation at a fire that your FRS has attended by requesting your sprinkler ambassador/ or media manager to report it to Sprinkler Saves UK.

You can report a save here www.sprinklersaves.co.uk/sprinkler-saves/report/add/

or contact Sprinkler Saves co-ordinator
Nick Coleshill nick.coleshill@bafsa.org.uk



bafsa
British Automatic Fire Sprinkler Association

Sprinkler Saves UK is supported by BAFSA - the British Automatic Fire Sprinkler Association

www.sprinklersaves.co.uk



**Sprinkler Saves Review
2023–2024**

**Demonstrating why
sprinklers make a difference**

“We couldn’t get out. We were on the tenth floor. It was too high. I can tell you for sure that the sprinklers saved our lives.”

“Sprinklers are not a luxury – they save lives and also reduce risk to the firefighters who have to tackle fires”

lithium-ion battery fire, tall building,
Birmingham April 2023

London Fire
Brigade spokesperson

If you hear of a save report it!

Nick Coleshill [BAFSA Sprinkler Saves Coordinator](mailto:nick.coleshill@bafsa.org.uk)

Email nick.coleshill@bafsa.org.uk