

FirePro.

UK & IRELAND

www.fireprouk.com

About FirePro UK Ltd



About



Managing Director – Tony Hanley

- Active fire systems engineering experience >40 Yrs.
- FIA board director 16 Years & currently Vice Chairman.
- Post Grenfell tragedy represented FIA in Hackitt review – WG4 Competency.
- 2023 FIA Lifetime achievement award – Exceptional services to fire industry.
- Formed fire engineering Co (Titan) in 1988, acquired by Marlowe PLC in 2016.
- Founder and Managing Director of FirePro UK Ltd.
- Pioneer in competency for condensed aerosol fire suppression technology.
- Ambassador for Children's Burns Camp Charity.



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

About



FirePro – The Product

FirePro.

UK & IRELAND

www.fireprouk.com

- FirePro is the name of the fire suppression product.
- The terminology for the FirePro product is 'Condensed Aerosol'.
- The product is manufactured by [FirePro Systems](#) in Limassol, Cyprus.
- The product is supported in 112 countries, worldwide.
- Product approval / performance certificates exist for all countries it is sold in.
- The product manufacturer was acquired by [HALMA PLC](#) in 2024.
- HALMA PLC grows safer, cleaner, healthier futures for everyone every day.
- Regionally, FirePro is sold and supported via appointed master distributors
- FirePro UK Ltd are the exclusive master distributor for UK & Ireland.



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

About



FirePro UK Ltd – Product Support

- FirePro UK Ltd have been the UK & Ireland Master Distributor since 2012.
- Our relationship was formed out of direct experience with FirePro installations.
- We assisted the manufacturer with UK LPCB product certification in 2022.
- We set up training and approval of a network of specialist installers (circa 40).
- BRE adopted our draft competency scheme in 2024 (ref LPS 1204 3.2).
- We provide product application support to insurers, end users, consultants.
- Our case study bank includes numerous product applications and solutions.
- We supply FirePro and complementary fire products to our installer network.



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations



What is FirePro Technology?

- FirePro is NOT a gas or water stored under pressure.
- FirePro is a solid potassium compound that transposes when activated.
- The material released is a fine dry opaque potassium-based particulate.
- The particulate interrupts at molecular level to extinguish fire.
- See the technical prospectus detailing all facets and approvals for [FirePro here](#).
- The BS/EN standard for condensed aerosol fire suppression systems is 15276.
- Suited to various classes of fire risk, FirePro protects large or small enclosures.
- FirePro is all electrical with no cylinders, pipes or over pressure venting.
- FirePro is independently certified for a 15-year lifecycle.



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

FirePro Sustainability

- FirePro compound derives from the Earth's naturally occurring elements.
- FirePro is free from HCFC's, HFC's, PFC's and is not considered a PFAS agent.
- FirePro is fully recyclable and has zero ozone depleting potential.
- FirePro is built in mild steel casing, hence significantly lower carbon footprint.
- FirePro does not require specialist handling or F-Gas certification.
- FirePro does not deplete oxygen to extinguish fire.
- The need for water or gas is eliminated thus reducing potential for damage.
- FirePro may well contribute toward [LEED](#) building environmental certification.



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

Applications

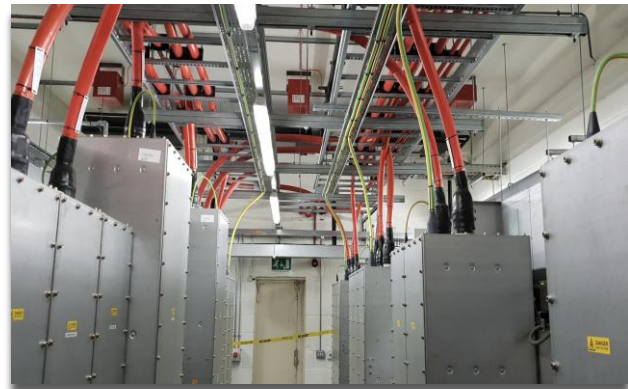


FirePro Applications



In Cabinet

- Process Control Cabinets
- Vending Machines
- Hospital Machinery
- Industrial Laundromats
- Mining Machinery
- Fork Lift Charging
- And more.....



Room Flood

- Transformer Rooms
- Li-Ion Battery Storage
- Diesel Generators
- Chemical Storage
- Sub Stations
- HV/LV Rooms
- And more.....

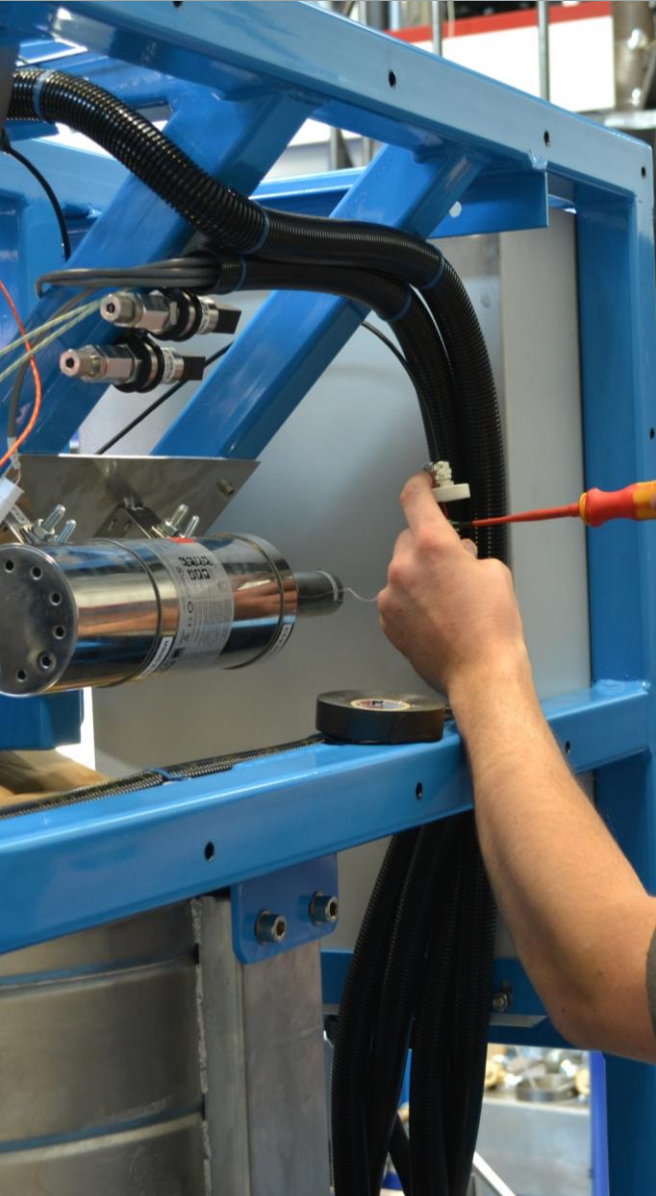


Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations





INPUTS



Automatic smoke or heat detection



Automatic UV Flame detection



Linear Heat Sense



Stand alone Thermal activation



Manual release only



Activate FirePro

OUTPUTS



Shut Power off



Shut Air Con off



Signal Fire Alarm / BMS



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

Discharge



Post Discharge Care Routine

FirePro.

UK & IRELAND

www.fireprouk.com

There are two causes of system discharge that may occur :

1. As a result of a confirmed fire (either automatic or manually activated)
2. In error or inadvertent actions.

Following a discharge (for any reason) effective removal of FirePro may be achieved with a documented ventilation plan that may include using openings direct to fresh air so as to dissipate FirePro to fresh air, or the use of either dedicated or portable extraction systems to achieve the same. In the event of a discharge :

- DO NOT enter the space until it is deemed safe to do so, usually by attending Fire & Rescue Services.
- Products of combustion may also be present, when deemed safe to commence, proceed with the defined ventilation / extract plan.
- FirePro particles will remain suspended in the atmosphere for up to one hour and then commence settlement on horizontal surfaces.
- Once the ventilation / extract is complete, any remaining surface settlement should be removed in accordance with routines as defined in section 15.2 of the [manufacturer's operating and maintenance manual](#).
- Post discharge ventilation should commence immediately when safe to proceed. Prolonged lack of post-discharge care may require additional cleaning, particularly in demanding environmental conditions.



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

Discharge

Replenishment of Discharged Units

FirePro.

UK & IRELAND

www.fireprouk.com

FirePro.
UK & IRELAND

Certificate of Disposal

We hereby certify that FireProUK has undertaken safe, environmentally friendly disposal of the units listed hereunder, in accordance with the manufacturer's instructions.

Name and address of Organisation Returning FirePro generators.			
Contact Name			
Model Number	Batch Code	Quantity	Date of Disposal
Name of person responsible for safe disposal		Tony Hanley	
Signature			
Date of signature			

FirePro UK is certified by BS to ISO 9001 and is an active subscribing member of the following trade associations:

In the case of a discharge, a short questionnaire regarding the details of the discharge is required to be completed.

Upon completion of the disposal process, an official Certificate of Disposal will be issued to your organisation. This document provides formal confirmation that all equipment has been permanently removed from service and disposed of in full compliance with relevant legal and environmental standards.

Any works on the FirePro fire suppression system must only be undertaken by a competent engineer; this is proven by requesting a copy of a valid training certificate from FirePro UK or your FirePro support partner.

FirePro support partners should provide recommendations for proposed works required to re-instate the system, all in accordance with BS EN Standard.

To see a list of UK & Ireland trained companies please click [HERE](#).



Product Certificate No. 1417a

FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations



In Cabinet Active Fire Suppression – Case Study

Croydon Universities NHS Trust Hospitals



Excellent care for all

Home | Community | Hospital



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

In Cabinet Active Fire Suppression – Case Study

Croydon Universities NHS Trust Hospitals

FirePro.

UK & IRELAND

www.fireprouk.com



This bank of 6 machines sterilises medical utensils by way of a special cleaning process delivered at very high temperature, critical for NHS patient care services.



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations



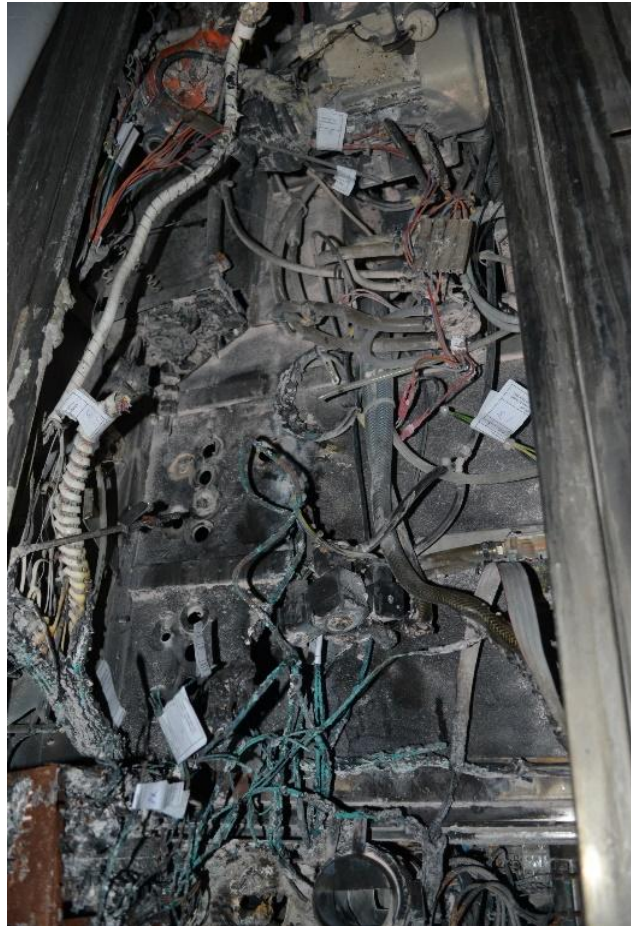
In Cabinet Active Fire Suppression – Case Study

Croydon Universities NHS Trust Hospitals

FirePro.

UK & IRELAND

www.fireprouk.com



This is one of the machines following a serious internal fire which resulted in significant water and smoke damage and severely impacted critical patient care services.



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations



In Cabinet Active Fire Suppression – Case Study

Croydon Universities NHS Trust Hospitals

FirePro.

UK & IRELAND

www.fireprouk.com



At the time, attempts to use portable extinguishers proved fruitless. Thankfully, Fire & Rescue services extinguished the fire - however it was much too late, and the irreparable damage was done.



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations



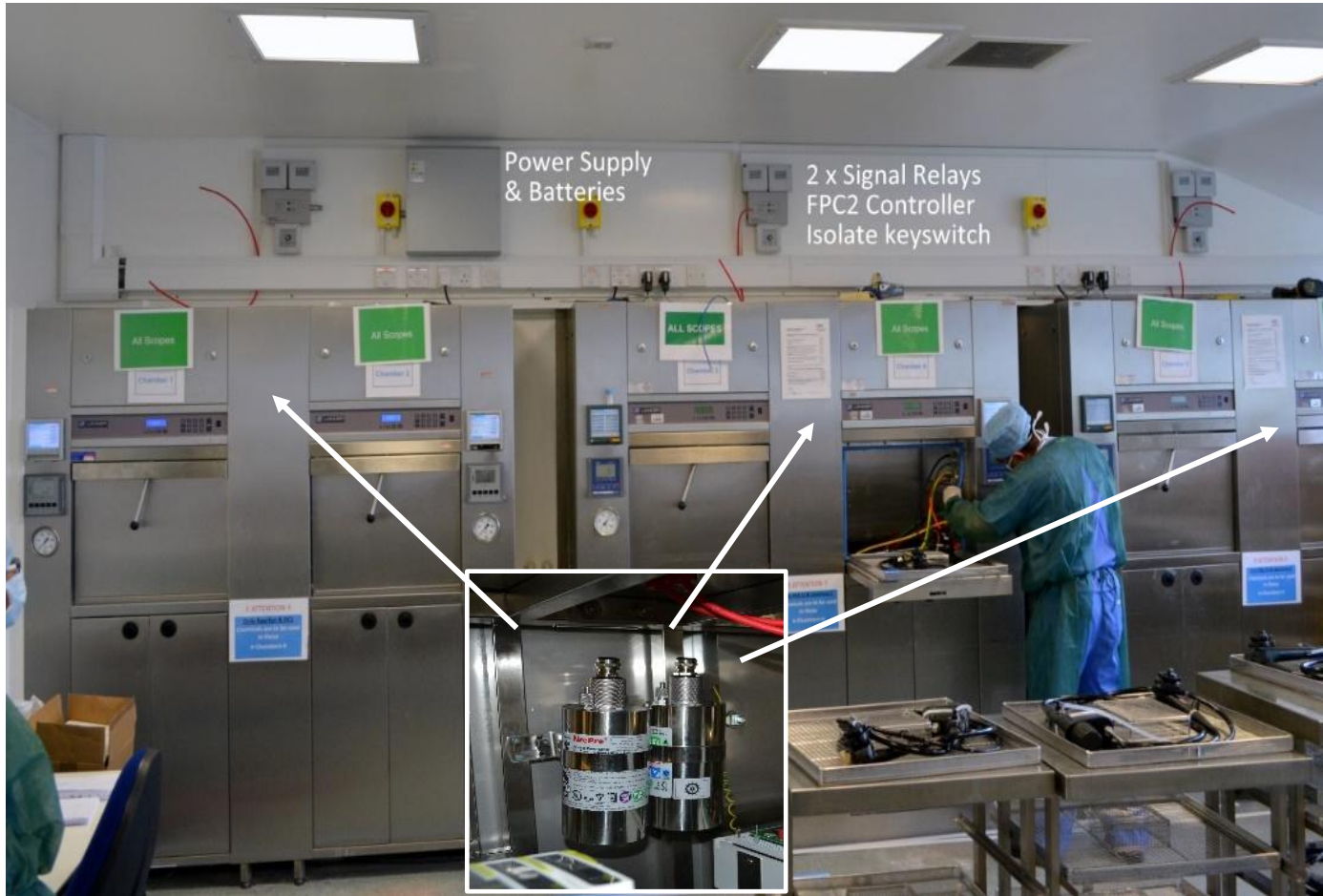
In Cabinet Active Fire Suppression – Case Study

Croydon Universities NHS Trust Hospitals

FirePro.

UK & IRELAND

www.fireprouk.com



The machines were located on the 4th floor. Water damage caused extensive disruption to areas a long way from the actual room that required full sterile clean and redecoration.

Prior to the installation of a replacement machine, the Trust consulted their fire systems specialist to explore solutions to avoid a re-occurrence. FirePro UK identified the internal sources of ignition as the motors and solenoids and tabled a bespoke solution comprising of a local control module, 24V DC PSU & standby batteries, linear heat detection, and two suitably sized FirePro fire suppression generators.



Product Certificate No. 1417a

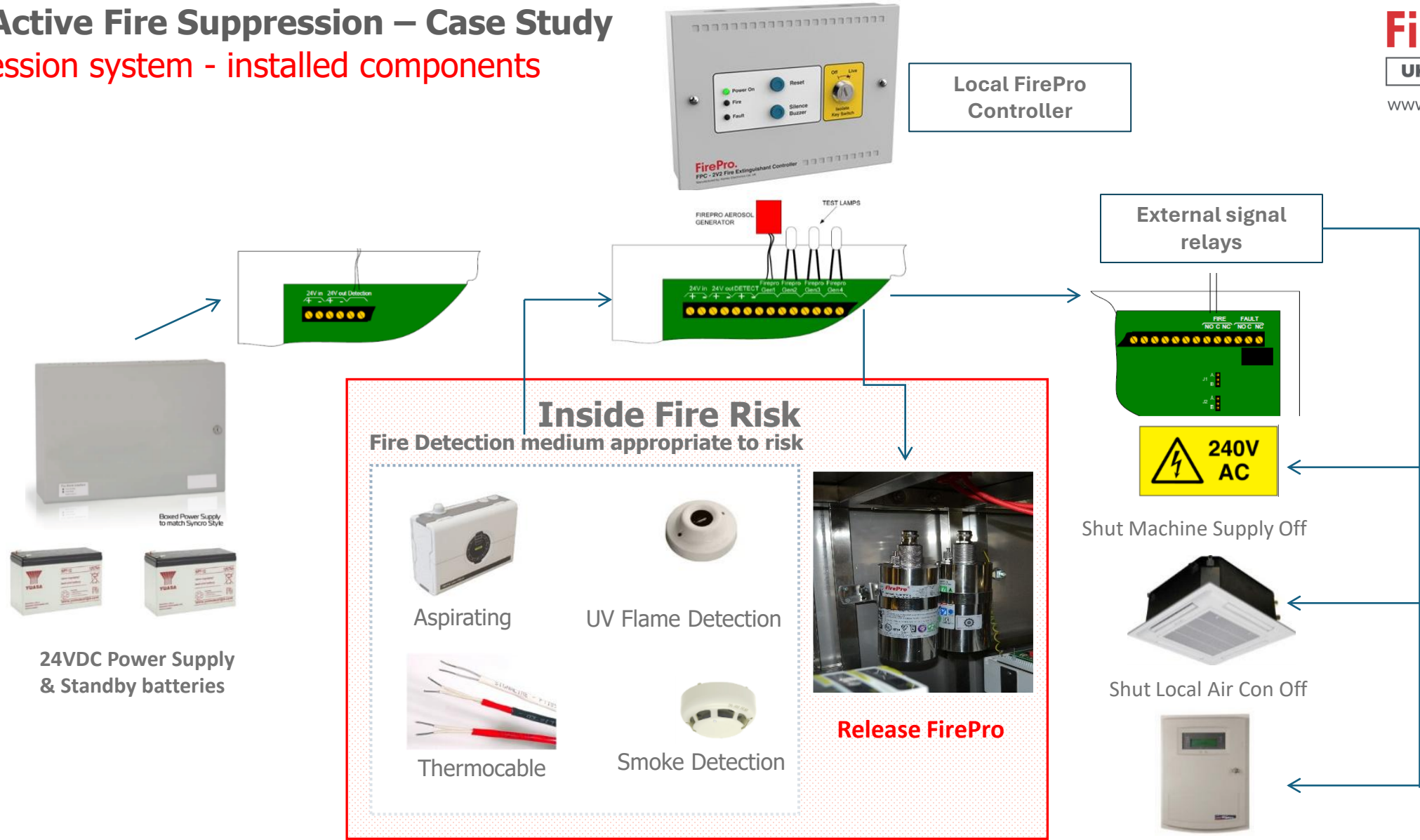


FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations



In Cabinet Active Fire Suppression – Case Study

Fire suppression system - installed components



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations



In Cabinet Active Fire Suppression – Case Study

Croydon Universities NHS Trust Hospitals

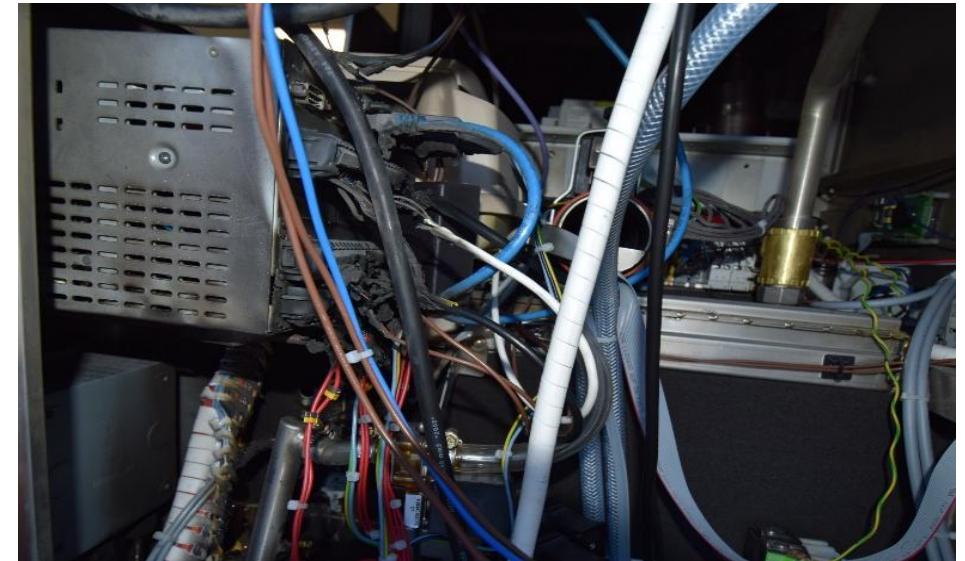
FirePro.

UK & IRELAND

www.fireprouk.com



Within **7 months of the FirePro installation a second fire event occurred**. Here is the hospital engineer opening the machinery panels. There is no smoke or water damage. The below and following images show the specific sources of overheating, which triggered the system to function as the design intended, and no fire.

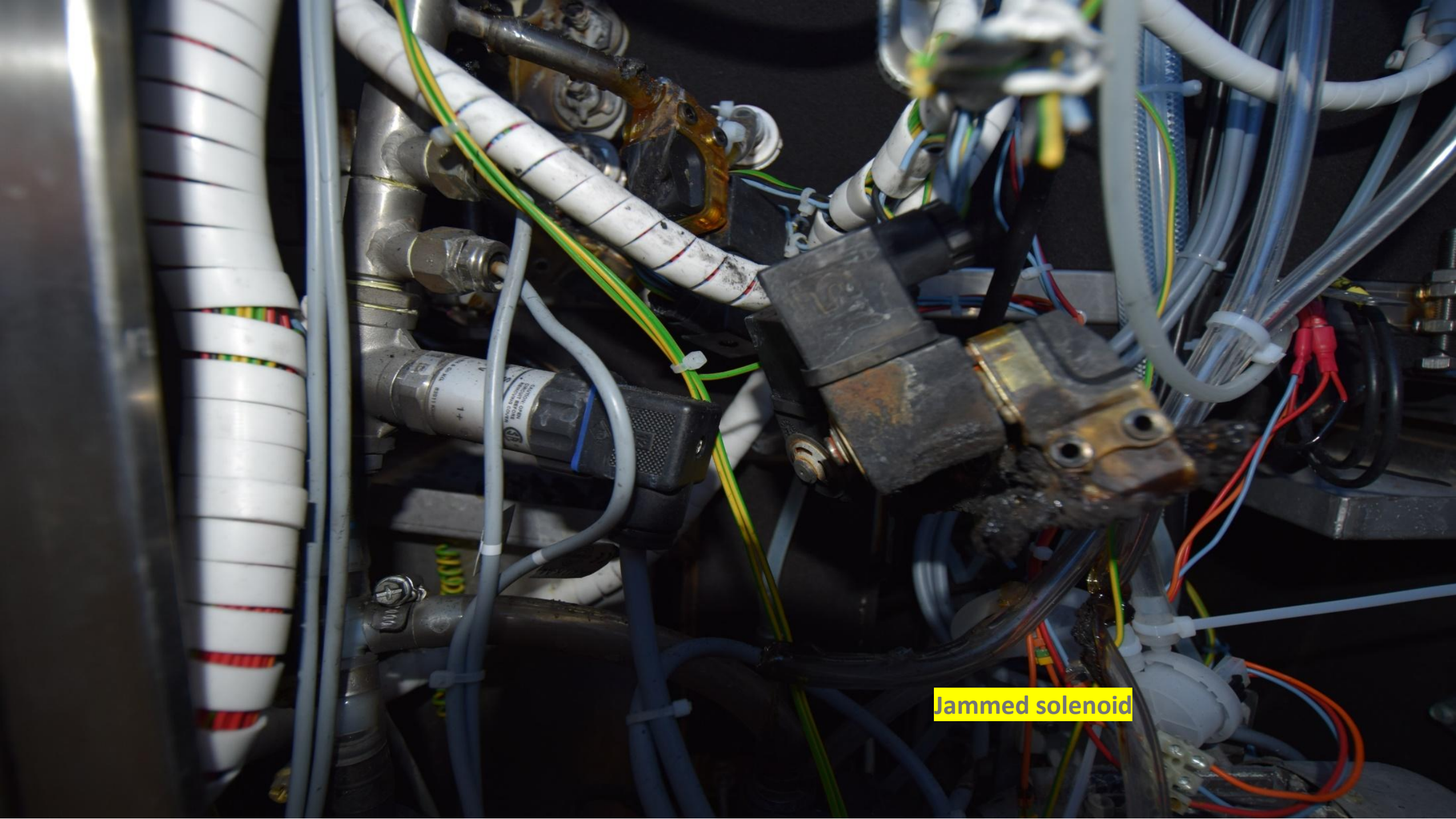


Product Certificate No. 1417a

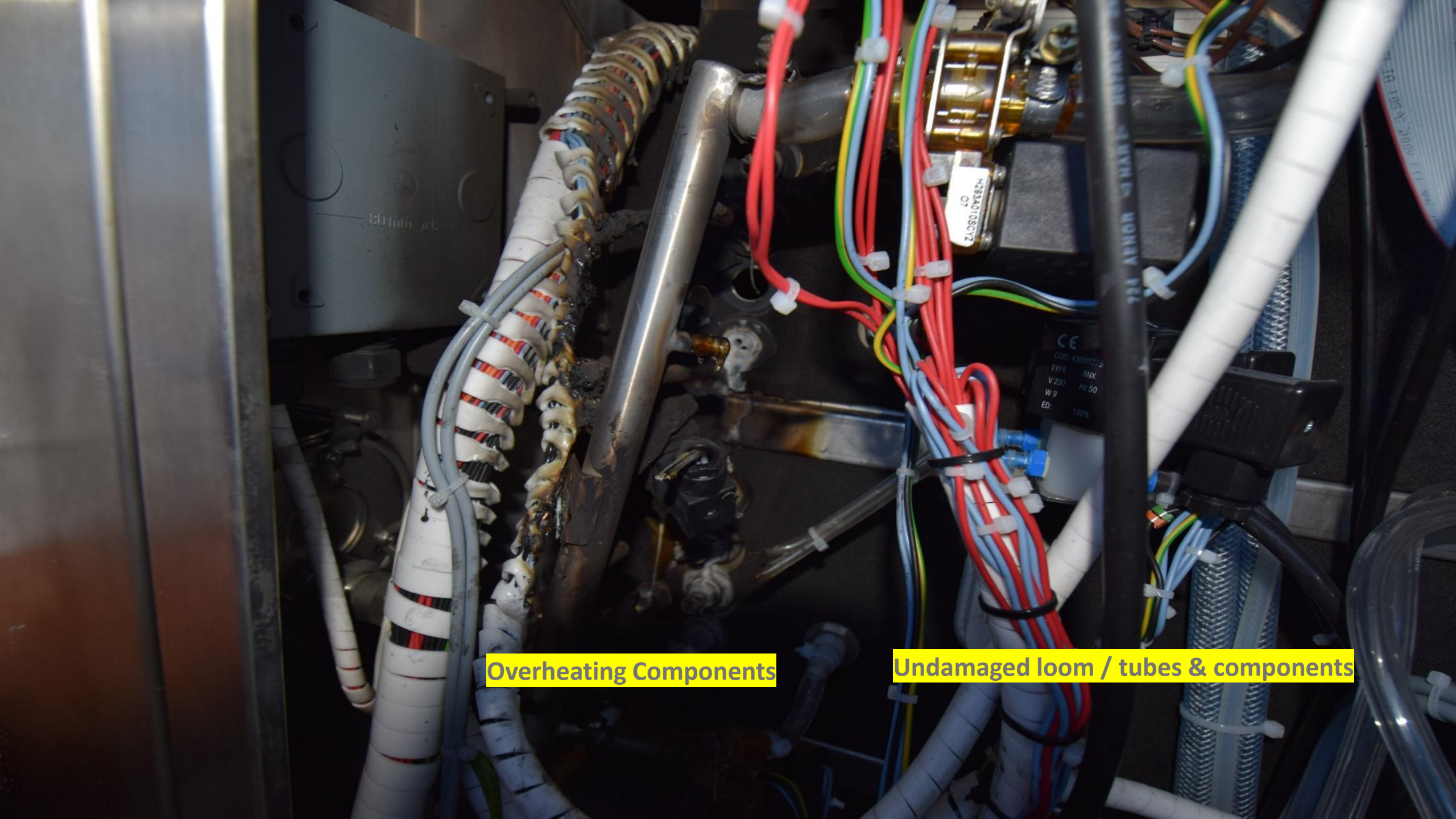


FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations





Jammed solenoid



80 mm

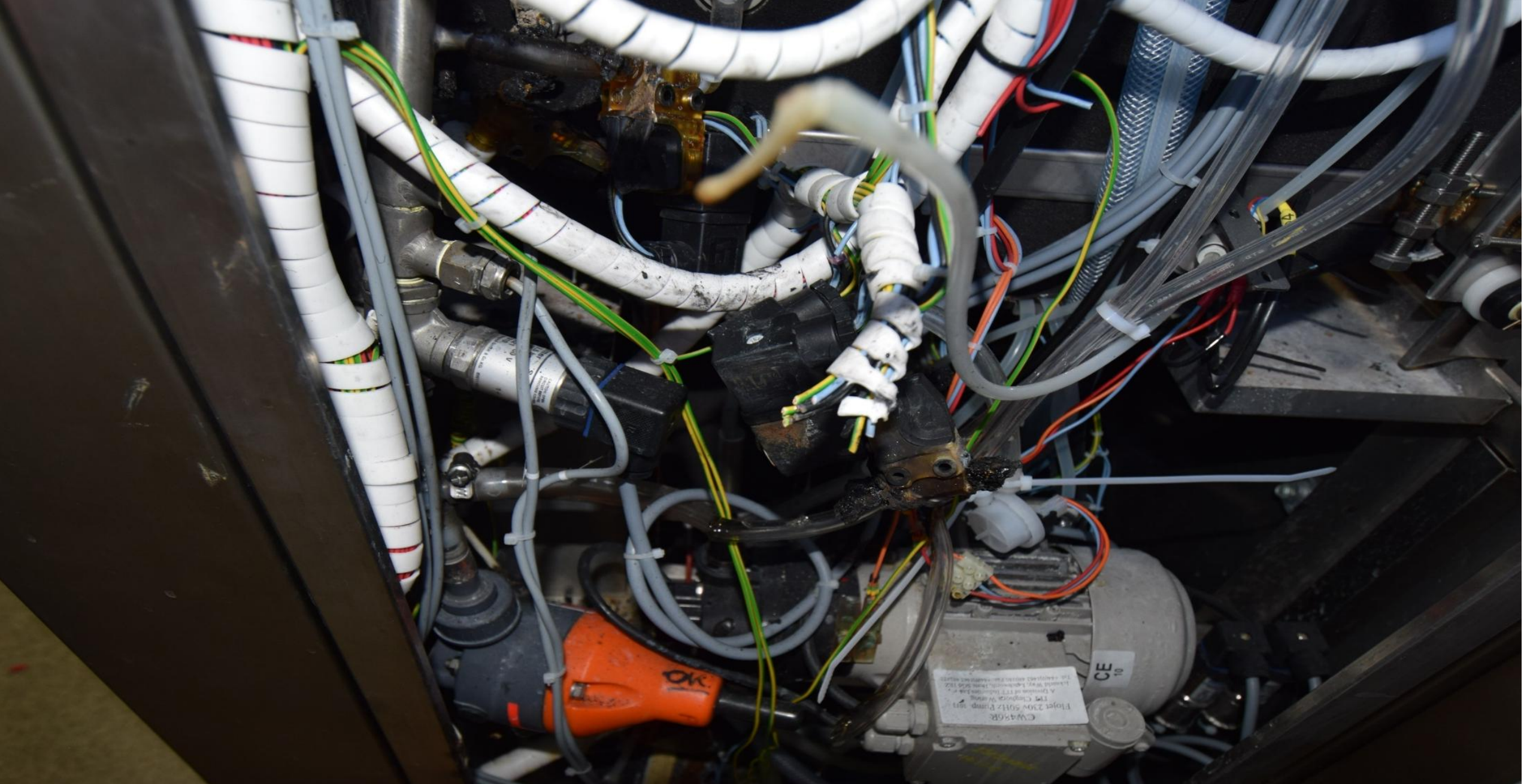
M283A10SCVZ
07

CE
COD: 43005276
TYPE: ANX
V 230 Hz 50
W 9
ED: 100%

750 AMP

Overheating Components

Undamaged loom / tubes & components



Various spots at low level are products of components overheating

In Cabinet Active Fire Suppression – Case Study Summary

FirePro.

UK & IRELAND

www.fireprouk.com



At the time of the fire activation, the system design ensured that simultaneously: -

- The FirePro suppression released.
- The local machine supply shut off.
- The local fire doors closed.
- The local air handling shut off.
- Local ventilation dampers closed.
- The fire alarm and BMS system was signalled.

Fire & Rescue attended within 12 minutes however there was no fire to deal with. This enabled the Trust to

- Instruct the machine overhaul repair.
- Instruct re-arming of FirePro (within 2 days).
- Resume patient care operations.



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations



In Cabinet Active Fire Suppression – Intangible Benefits



- LFB & Croydon NHS relations improved significantly owing to employing pro-active fire protection measures.
- An investment of circa £8k avoided repeat estimated costs of £250k for post fire clean up operations.
- NHS patient care services confidence regained as cancellation of critical procedures avoided. The Estates team internally recognised for employing solutions to avoid uninsured losses.
- Water and smoke damage interruption to mission critical operations were eliminated.
- The engineered system did not directly comply with any recognised BS/EN Standards as there are none.
- Other bespoke FirePro / NHS opportunities include protection of 'smart' waste bins in public areas.



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

Class 'L' Risk

FirePro.
UK & IRELAND

Reinventing Fire Suppression

LPCB
CERTIFIED BY 1473

ABS
CE
EN 15189
EN 15189
EN 15189
EN 15189
EN 15189
EN 15189
EN 15189
EN 15189

www.FireProUK.com

Will FirePro extinguish a Li-Ion Fire?

FirePro.
UK & IRELAND
www.fireprouk.com

FirePro.

29 April 2025

To whom it may concern

Dear Sir/ Madam,

RE: FirePro for Li-Ion battery rooms

Li-Ion batteries pose a fire hazard which is not yet included in the test protocols of standards of fire extinguishing / suppression systems. At the same time, the use of Li-Ion batteries is growing rapidly and so is the demand for mitigation of the associated fire hazard.

In the absence of standardized test protocols, FirePro Systems started a testing program for Li-ion batteries about 8 years ago. The program includes so far nearly 100 tests with various li-ion battery types, electrolytes, anode, and cathode composition, geometries, capacity, state of charge and ways of inducing the thermal runaway. The tests were conducted with or under the supervision of certification bodies, accredited laboratories and prominent battery manufacturers. The results have proven the efficacy of the FirePro technology and its capability to knock down the flames, reduce the temperature and control propagation of thermal runaway to adjacent packs/ batteries.



Yours faithfully,

Demetris Constantinou
Commercial Director

Case Study Evidence – Li-Ion Power tool battery charging unit



This a purpose-built fire rated power tool li-ion battery charging cabinet. In similarity to the Endoscopy machine the enclosure has FirePro installed internally.

The floor area below the cabinet is scorched from significant heat build up owing to an internal li-ion battery explosion.

The engineering fire strategy for activation is an internal point smoke detector, and the system design (by others) ensured that simultaneously:

- The FirePro suppression released.
- The local machine supply shut off.
- The fire alarm and BMS system was signalled.

The full circumstances of the event are unknown however, the cabinet contents post fire DO reflect the manufacturer's performance statement.



Product Certificate No. 1417a



11000017



The CPD Certification Service



Fire Industry Association



IAHF



ELECTRICAL ASSOCIATION

FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

Case Study Evidence – Li-Ion Power tool battery charging unit



Exploded power tool Li-ion battery

**No heat or fire spread to remaining contents
- All in tact inc power socket at rear**



Spent internal FirePro unit

No damage directly below



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

Case Study Evidence – Li-Ion Power tool battery charging unit

29 April 2025

To whom it may concern

Dear Sir/ Madam,

RE: FirePro for Li-Ion battery rooms

Li-Ion batteries pose a fire hazard which is not yet included in the test protocols of standards of fire extinguishing / suppression systems. At the same time, the use of Li-Ion batteries is growing rapidly and so is the demand for mitigation of the associated fire hazard.

In the absence of standardized test protocols, FirePro Systems started a testing program for Li-ion batteries about 8 years ago. The program includes so far nearly 100 tests with various li-ion battery types, electrolytes, anode, and cathode composition, geometries, capacity, state of charge and ways of inducing the thermal runaway. The tests were conducted with or under the supervision of certification bodies, accredited laboratories and prominent battery manufacturers. The results have proven the efficacy of the FirePro technology and its capability to knock down the flames, reduce the temperature and control propagation of thermal runaway to adjacent packs/ batteries.



**No heat or fire spread to remaining contents
- All in tact inc power socket at rear**

Yours faithfully,

Demetris Constantinou
Commercial Director



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

References



UK Case Study References

FirePro.

UK & IRELAND

www.fireprouk.com

- [Lloyds of London](#). (5 HV/LV Switch Rooms- Complete Refurb).
- [The Needles Lighthouse](#) (Replacement Obsolete Gas).
- NHS Site – Protection of intelligent waste bins.
- [The London Eye](#) – (Replacement FM200 Systems).
- [Kokam Li-Ion BESS Units](#) (New Installations).
- [Javelin Park](#) (UK's Largest waste to energy facility).
- [Tottenham Hotspur F.C.](#) – Diesel generators.
- [Tayside NHS](#) (New energy centre).



Product Certificate No. 1417a



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations



Next Steps



Application & Desired Operation

- FirePro UK offer to meet with client to understand fire strategy requirements.
- We can then produce proposed system design specification.
- We can also liaise with all stakeholders to provide suitable assurances.
- We can also assist with shortlisting installation specialists for tender.
- We also offer field support to run in parallel with project delivery as required.
- Subject to client requirements, [LPS 1204 3.2](#) scheme may be a pre-requisite.
- See FirePro (product manufacturer) [website here](#)
- See FirePro product [technical prospectus here](#)
- See FirePro UK (UK & Ireland Master FirePro Distributor) [website here](#)

Next Steps



Here to help – Our lead contact info

Tony Hanley	Managing Director	Tony.hanley@fireprouk.com
Oliver Harvey	General Manager	Oliver.Harvey@fireprouk.com
Martin Thomas	Tech Lead Engineer	Martin.Thomas@fireprouk.com
Lucy Bates	Business Admin Manager	Lucy.bates@fireprouk.com



FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

