

Albanian National Post

Fire Protection and Suppresion



Albanian Post Office sh.a is the largest trading company operating in the postal and financial services market. Albanian Post Office sh.a. is the only public postal operator in Albanian market which leads administrates and develops the national postal network which has also the obligation of fulfilling the basic postal services. Their strongest point in the market is the network of 550 offices all over Albania and a very large number of employees, around 2400. As they are continually growing and gaining more customers, then the need for them to invest on new server rooms is continual and was demonstrated very recently at one of their core sites in Tirana.

The Outcome: Fire Suppression System with Minimal Damage to IT Hardware

- Reduces risk of downtime and helps maintain business continuity in the event of a fire.
- Clean, leave behind no residue.
- Cost effective engineered system, providing maximum protection.
- Sustainable technology providing an environmentally-conscious solution

The Solution: Fire Suppression & Control via Fluid Clean Agent Suppression System

At the site in question, there was a requirement for a new electronic equipment's such as Cabinets with Servers and Storages, Air Cooling, UPS with Batteries, and as all of them are a high fire risk then it was left to Communication Security Powerhouse to design, supply, install and commission a new fire suppression system. CSP recommended the use of Novec 1230 fire suppression fluid to protect the space. The manufacturer 3M's 20 year Blue Sky™ Warranty meant that the customer would not have to worry about the phasing out or banning of the Fire Suppressant media and would feel safe in the knowledge that it would be suitable and sustainable for the foreseeable future and beyond. This combined with Novec 1230 fluid's enhanced green credentials made it the perfect choice.

The Force 500 Sevo System solution supplied by CSP also has a highly desirable and respected environmental profile, particularly when compared with other gaseous suppression systems on the market.



Novec 1230 Fire Protection Fluid has zero ozone depletion potential, a global warming potential of just one and a short five-day atmospheric lifetime, and so does not have any appreciable impact on climate change. It also has a large margin of safety for occupied spaces thanks to its low design concentration.

Clean Agent Characteristics Defined by NFPA 2001

- They are volatile, non-conductive gases.
- They leave behind no residue of any kind.
- They are safe for use in occupied areas when properly designed.
- They are environmentally acceptable to the EPA

Novec 1230 Fire Suppression Systems can protect

Data Center / Telecommunication / Power Generation and Transition / Military / Oil and Gas / Museum, Art, and Archives / Medical Center / Industrial / Aerospace / Automobiles / Manufacturing

The one cylinder was installed within the room together with all components and discharging pipework and nozzles for the Room Space and Under Floor void. The system was designed to be triggered by conventional, coincidence wired, optical smoke & heat detectors – all in line with BS EN 15002 and BS 6266:2011. This makes false alarms, and more importantly false discharges, almost impossible.

How does Novec 1230 fluid work?



Novec 1230 fluid extinguishes a fire before it starts by rapidly removing heat. In a typical total flooding system, the fluid is stored as a liquid in cylinders pressurized with nitrogen. Automatic detection sensors trigger release when the fire is at the incipient stage, extinguishing it in mere seconds.

Novec 1230 fluid evaporates 50 times faster than water. In fact, you could soak a paperback book in a bath of Novec 1230 fluid and within a minute, pick it up and read where you left off.