



To protect people and property with pride, professionalism and integrity

CASE STUDY

CO2 Fire Suppression System

0845 402 3045

www.assured-ltd.co.uk

Brush was established in 1879 and is the largest independent manufacturer of turbogenerators in the world. They are acknowledged international pioneers in the transformer field and have helped bring light, power and water to over one hundred countries.

Their operational site in Loughborough, UK, is their national headquarters and is a centre of excellence for the design and manufacture of a range of industry-leading products.

The manufacturing processes used in the construction of transformers present the ideal conditions for a fire to start and Brush recognised the necessity to minimise this serious danger. With that in mind they contacted Assured Fire and Security to see if they could help provide crucial protection of their building and employees.

Assured were chosen to provide a fire safety solution to these risks, and proposed and installed a CO2 fire suppression system across 3 testing plants.

Brush Engineering Manager Andrew Emery commented, "We spoke to various companies for consultation on this project as we wanted to ensure we chose the correct partner for this important protection of our business. Assured provided the best advice and put forward the most appropriate solution for our risk. They were very professional and kept us up to date throughout the whole process. We were so happy with the service that we have since contracted Assured to take care of our security systems, including access control and CCTV".

Co2 fire suppression systems were installed across 3 testing areas. Detection was by ultraviolet and infrared (UVIR) flame detectors to pick up any flashovers or explosions from oil. Smoke detectors were installed for electrical or carbonous fires. As Co2 can affect human breathing a special safety lock off device for the main doors was integrated into the system to switch it to manual to ensure the occupants were safe should a Co2 discharge occur.

With their safety concerns now put at ease by Assured, Brush can concentrate on doing what they do best, safe in the knowledge that their site, employees, and assets are protected to the highest standards.

Assured Managing Director Simon Stokes commented, "Assured are proud to work with a distinguished international manufacturer such as Brush Transformers. Protecting large industrial assets with CO2 has long been an area of expertise for us, and to add this complex and challenging contract to our portfolio is very satisfying".



Call 0845 402 3045 now to book your free fire safety or security audit.

Invest in pro-active fire protection for your business with a fire suppression system

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Just like Brush Transformers you can protect your business by investing in a professional fire safety and suppression system. This can prevent a major fire by detecting the incident before it happens or during the early stages and then suppressing or extinguishing the fire automatically, this is just like **having your own fire fighter 365/24/7**.

Fire and security systems come in all shapes, sizes and prices, but a standard CO2 suppression system for a server room will start from around £6000. The average life span of a system such as this is around 20 years, meaning that the system cost breaks down to just 82p per day. That's a small price to pay for a system that's going to proactively protect your business, employees and assets from the threat of fire for the coming years.

CO2 Fire Suppression System

Carbon Dioxide (CO2) is a colourless, odourless, electrically non-conductive gas that is highly efficient as a fire suppression agent. Carbon Dioxide fire protection systems use intelligent, reliable and fast-acting control panels, and smoke and heat detectors to sense a fire and discharge. Carbon dioxide gas quickly suppresses the fire before it can cause damage to your people and business.

When applied to a fire, CO2 provides a heavy blanket of gas that reduces the oxygen level to a point where combustion cannot occur. Since carbon dioxide is a gas, there is no clean-up associated with a CO2 fire suppression system discharge; that means minimal interruption to your business! In fact, the cost of clean-up and peripheral damage associated with water sprinkler systems, foam systems, and dry chemical agents can exceed the costs associated with the actual fire damage. With a Carbon Dioxide system, clean-up costs and downtime associated with a CO2 discharge are negligible when compared with the damage fire can cause.



Reasons to choose Assured:

- ✓ Guaranteed around the clock service 365 days a year
- ✓ A nationwide service that is still local to you
- ✓ Super-fast response rate: 98% of our call outs are responded to within 2 hours
- ✓ One-stop-shop service. Our multi-skilled engineers have the ability to deal with all fire and security problems so they will only need to pay one visit, saving you money on call out fees.
- ✓ Free online reports and buyers guides
- ✓ First time fix keeping your systems working at an optimum
- ✓ Annual health checks of your systems ensuring that your systems are always working to full capacity and are always protected



Guaranteeing you peace of mind
Assured Fire & Security is a BAFE registered company. BAFE is a non-profit registration body for companies that achieve third party certification for their fire protection services. Companies registered to BAFE schemes demonstrate a commitment to service excellence.

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