

FIRETRACE[®] LTD

AUTOMATIC FIRE SUPPRESSION SYSTEMS

STOPS FIRES WHERE THEY START

Wind Turbines

Turbines are expensive & highly technical machines. In order to be financially viable these machines must remain in uninterrupted service for a number of years and even a relatively small fire could jeopardize this.

The very nature of the working environment introduces difficult to access areas and the possibility of extreme vibration or the release of flammable substances. There are also additional hazards posed by friction in the braking systems and the ever present danger of a lightning strike.

Traditional total flooding fire suppression systems may not always be suitable for the remote & ventilated risks that these machines create. They can also prove difficult to interface with personnel access or be too large or heavy to be located near the risk.

Could Firetrace[®] be the solution?



The Firetrace[®] Solution

Firetrace[®] has developed a range of Automatic Fire Suppression Systems ideal for protecting

- Control Panel
- Capacitor Cabinet
- Generator/Transformer/Rotor/Stator Boxes
- Brake
- Hydraulic Station
- Base Tower Control Panel

The systems do not need complex electronic detectors or panels and operate simply using pneumatics. This alleviates the need for separate power supplies or battery backups and also makes the entire system fail safe with minimal moving parts.

A choice of non-conductive extinguishants are available which will not damage the electrical components or leave a residue. These include Novec 1230 from the 3M company which is both Non-toxic and the most environmentally friendly agent currently available.





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So how does it work?

Firetrace[®] systems use the patented detection tubing which is installed throughout the risk area and connected to the cylinder valve. The tubing is then charged with nitrogen and this pressure is utilised to hold back the extinguishant in the cylinder. Should a high temperature or fire occur then the pressurised tubing will burst and the extinguishant will be deployed directly from the burst hole onto the fire.

This effectively means the fire has formed the discharge nozzle so it is always exactly in the right location.

A switch can also be added to the system and is held closed by the pressure. Should the tubing burst or the pressure be lost for any reason then the switch will open and this signal can be used to isolate the power & raise an alarm.

Why Choose Firetrace[®]?

Firetrace[®] offer affordable suppression systems to protect critical items of electrical equipment. Multiple compartments / form 4 enclosures can be protected using a single cylinder.

The system reacts quickly minimising expensive damage and downtime by not only detecting the fire but extinguishing it at source.

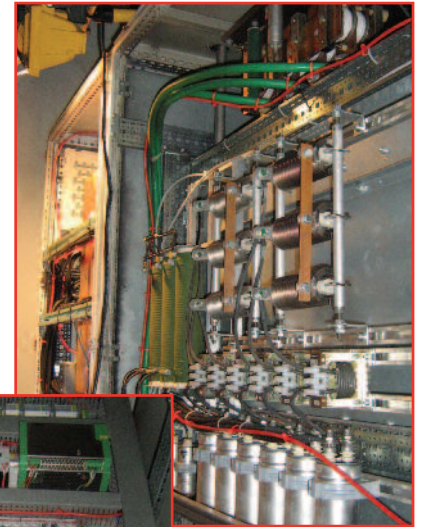
The Firetrace[®] systems are more effective than traditional ceiling mounted detectors that wait for the fire/ smoke to leave the enclosure before raising the alarm.

The Firetrace[®] systems use small amounts of extinguishant and alleviate the need for entry restrictions or safety interlocks. The Firetrace[®] systems can be easily retrofitted to existing equipment and avoid the need for complicated detectors and electronics.

All Firetrace[®] systems are CE marked and manufactured under our ISO 9001:2008 quality system.

Firetrace[®] has been manufacturing suppression systems for over 20 Years and has a vast experience in the Fire industry. We have a number of documented success stories where the systems have both detected and extinguished electrical fires with little or no damage to the equipment.

Firetrace[®] offer a full design, installation and after sales service and are recognised by most major insurers.



NO POWER REQUIRED!
Easily interfaced with SCADA or other monitoring systems

VISIT OUR WEBSITE TO SEE THE FULL RANGE OF FIRETRACE[®] SYSTEMS

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