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FIRETRACE INTERNATIONAL (EMEA)

FIRETRACE® chosen for Delhi's new mass transit sy

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Firetrace International has secured the second largest order ever placed in India for its FIRETRACE® automatic fire suppression system. The "micro-enclosure" fire detection and suppression technology is being used to protect vital electrical cabinets on the new Delhi Mass Rapid Transit System. When the project is completed in 2020, the Delhi Metro network will be longer than that of London Underground.

The decision to fit FIRETRACE to safeguard vital enclosed electrical cabinets upon which the facilities' entire operational effectiveness depends was taken after carefully assessing the network's entire fire safety requirements. It was decided that the only way to protect these mission-critical assets was to provide dedicated fast-response detection, fast agent discharge, and fast and effective suppression.

FIRETRACE was found to provide the essential detection and suppression characteristics that would ensure the effective protection of the cabinets. It provides around-the-clock protection, and is a "self-seeking" stand-alone solution that is entirely self-contained and does not require an external power source. To date, 500 FIRETRACE systems have been dispatched to India for the Metro project, although this will eventually rise to between 700 and 900 as work proceeds on the network.

"Electrical cabinets are a challenging environment," said Nick Grant, Firetrace International's General Manager for the EMEA region. "They contain a host of components, such as internal sealed chambers, bus bars and cable alleys, and the internal layout often comprises any number of small sealed compartments. These are the high fire risk areas, so the fire detection system needs to be capable of being installed in each and every internal compartment if the fire is to be extinguished at the earliest possible stage and any damage or disruption kept to an absolute minimum."

In essence, the FIRETRACE system comprises an extinguishing agent cylinder that is attached to proprietary Firetrace Detection Tubing via a custom-engineered valve. This small-bore specially-developed polymer tubing acts as a linear pneumatic heat and flame detector that delivers the desired temperature-sensitive detection and delivery characteristics. It detects a fire at its source at any point along the entire length of the tube, ruptures and automatically releases the suppression agent, extinguishing the fire precisely where it starts and before it has had time to take hold.

The flexibility of the Firetrace Detection Tube enables it to be threaded around and throughout the cabinets' tightly-packed maze of compartments and components. The tube can be installed throughout several conjoined electrical cabinets – subject to certain limits – enabling one FIRETRACE system to protect several cabinets.

Detailed negotiations for the contract were overseen by Kuldeep Chauhan of Colimanor Enterprises LLP, Firetrace International's principle trading partner for India, working closely with SVS Buildwell, the FIRETRACE master distributor for India.

ISO 9001:2008 registered Firetrace International is headquartered in Scottsdale, Arizona, with its EMEA offices in Gatwick in the UK. Genuine FIRETRACE is UL [Underwriters Laboratories] listed, FM [Factory Mutual] approved and CE [Conformité Européene or European Conformity] marked, and is available only via Firetrace International's global network of authorised distributors. These trading partners are skilled in hazard analysis, agent and system selection, installation, commissioning and support. They also use only genuine FIRETRACE components. Details of these authorised distributors are available by contacting Firetrace International at **info@firetrace.com,** or by telephoning the company's EMEA office in the UK on +44 (0) 1293 780390. The company's website is at **www.firetrace.com**.

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