

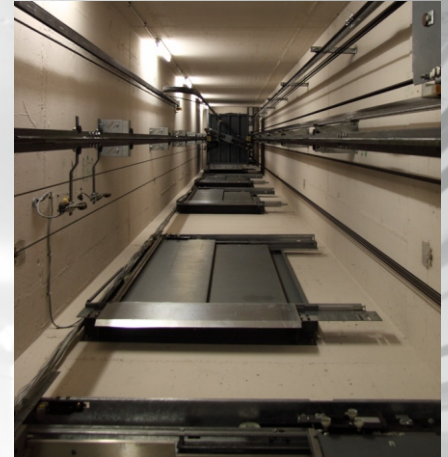
APPLICATION: Lift Shafts

Location: **Office buildings, shopping centres, hotels, education facilities**

Detector: **ASD systems and point (spot) smoke detectors**

Benefits of Scorpion® -

- Eliminates disruptions to the building and its users: lifts remain available for use at all times
- Lift engineer not required, reducing waiting time and costs
- No need for out of hours working
- No deviations to test regime due to access issues
- Consistent and repeatable test with benign agent leads to better unwanted alarm management/reliability



Lifts are found in all manner of multi-storey buildings used to transport people or goods quickly and safely. They are an essential feature in gaining efficient access to ever higher floors.

Fire risks in lift shafts range from electrical fires or overheating cables, fire caused by dust and debris, or oils and grease used in the operation of the machinery. All lift shafts should have fire detection either positioned at the top of the lift shaft in the form of a point detector or an ASD sampling pipe, or a vertical sampling pipe where sampling at different levels is required.

As with any fire detection, the smoke detection in the lift shaft needs to be tested regularly. This however, is not as easy as it may sound. Where point detectors are used, the lift shaft needs to be locked off by an approved engineer (often from the lift operator). The maintenance engineer then needs to gain access to the lift shaft and be able to reach the detector safely. Including planning and waiting time, this could easily be half a days activity / cost.

An alternative method is to use an ASD system where the sampling pipe is inside the lift shaft with the detector outside. This allows easy maintenance of the detector, and the pipe can also be cleaned by blowing air through it. This however, does not test the entire system in-situ as required by best practice guides, and there is no guarantee that the pipe or sampling hole has been cleared.

Scorpion changes all of this. With Scorpion smoke generating heads mounted at the ends of the air sampling pipes or alongside the point detector, and the control panel mounted in easy reach, testing detectors in lift shafts can now be done easily and quickly.

All disruption is eliminated and the operation of the building continues as normal. There are no health and safety risks once installed, no risk of damage, and a single person can conduct the tests during a normal working day.

Scorpion radically changes the way detectors in lift shafts will be tested and maintained.



www.scorpion-tester.com

