

## Natural Smoke Ventilation Systems by D+H UK

D+H UK use advanced technology and our in-depth understanding of fire / smoke behaviour to create ventilation systems that respond instantly and effectively to fire.

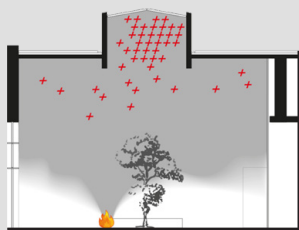
We follow a strict policy of providing best practice in the field of life-saving smoke ventilation solutions. D+H UK provide fully certified Natural Smoke and Heat Exhaust Ventilators (NSHEVs) for various solutions.

### Tailored smoke ventilation solutions:

- + Stand-alone system or integrated with existing fire alarm interfaces
- + Multi-zone and internal options
- + Optical smoke alarms and heat alarms
- + Data transmission across BUS technology
- + Integration with natural ventilation via automatic vent opening

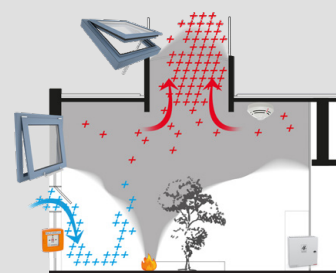
### Without an NSHEV system

- + Toxic gasses, smoke and heat accumulate in the building
- + Lives are endangered, rescue work is impaired and property is damaged



### With an NSHEV system

- + Vents and air inlets remove smoke, gas and heat
- + Smoke is diverted to produce a stable smoke layer boundary



### Typical D+H UK staircase system

- + Control panel with call point unit
- + Fire / smoke alarm
- + Call point / break glass unit
- + EN Certified NSHEVs



### NSHEV Operation

- + NSHEVs clear escape routes of smoke, and/or provide smoke-free space for fire-fighting.
- + They can vent directly via external walls / roofs using windows, louvres and rooflights, or through internal smoke shafts via smoke dampers.
- + NSHEVs can be triggered automatically via smoke detection or fire alarm interfaces, or manually using call point units, opening fully within 60 seconds.
- + NSHEV's can be reset and closed automatically or manually through the control system.