

D+H UK is your trusted partner in safeguarding against the effects of fire and with over 35 years of industry experience, we are a credible and reliable provider for all your ventilation solutions. We work across a variety of sectors including; education, offices, residential, retail, transport and sports facilities. We offer a range of products and services that you need for your ventilation systems and we can design, install and maintain these systems, ensuring long-term performance and compliance.

When a fire occurs, the way smoke is extracted can be crucial in determining whether a situation remains manageable or becomes dangerous. Deciding between natural and mechanical smoke ventilation depends on the building's design, layout and fire strategy.

Natural smoke ventilation operates by using rising heat and wind to remove smoke without mechanical assistance. It is especially effective in stairwells, atriums and open-plan spaces, providing an energy-efficient, low-maintenance option that meets EN 12101 requirements.

On the other hand, mechanical smoke ventilation relies on powered fans and ductwork to actively remove smoke. This method is well suited to areas like car parks, corridors and high-rise buildings, ensuring reliable and controlled smoke extraction in more complex or enclosed settings.

D+H UK's smoke ventilation systems are designed to keep escape routes clear for safe evacuation whilst providing unobstructed access for the emergency services. Our solutions are ideal for both end of corridor and stairwell smoke ventilation requirements, as well as offering mechanical fan-assisted systems. We have extensive experience delivering both new-build and refurbishment projects across the country.

We also provide a dedicated service and maintenance team to ensure your systems remain fully operational throughout their lifecycle. As members of the Smoke Control Association, we adhere to industry best practice across all our services - whether delivering new installations, comprehensive refurbishments or maintaining your systems wherever they are installed.

At D+H UK, we design and deliver tailored smoke ventilation systems to suit every type of building, ensuring safety, compliance and complete peace of mind.

To explore the right solution for your project, call us on 0161 491 4840 or visit www.dh-partner.com/uk/en_GB/solutions/smoke-control