



asbestos



water



air



safety

Air Hygiene & Fire Protection Services

Ensuring people, places and spaces are safe



environmental
essentials group
asbestos • water • air • safety

Introduction

Since our formation in 2004, Environmental Essentials has steadily grown to become one of the leading safety and compliance companies in the UK today.

Our teams apply their knowledge, experience and expertise to provide first class compliance services to ensure your people, places and spaces are safe.

We take great pride in our work and are passionate about building long lasting partnerships with our clients based on trust, accountability and collaboration. Honest and reliability are hallmarks of an approach that minimises risk.



Capabilities

We like to get to know our clients and for you to get to know us, priding ourselves on excellent customer service, we have built our business through communication, attention to detail and quality assurance every step of the way.

We work with you to drive sustainable compliance, as well as seeking efficiencies that will save time and money in the long term. With a prestigious client portfolio, we can demonstrate risk management strategies tailored to a variety of business needs. With regional offices and personnel across the UK, we are equipped to deliver a local service at a national level.

Ongoing monitoring, testing and quality assurance are built into our day-to-day working practices. Our internal systems and processes are designed to enable us to manage and measure our own performance through our service delivery.

We maintain a robust set of quality, safety and environmental management systems and accreditations across the business and for each of our service sectors; asbestos, water, air and safety. Our team members not only have the relevant qualifications for each specialist role, but a wealth of experience and a strong professional support network behind them.



Sector expertise

Over the years we have become trusted experts in many arenas. Whichever sector you operate in, we work by aligning our approach with your delivery model and KPIs.



EDUCATION

Our expertise spans work with the most decorated Universities in the UK as well as colleges, local authority schools, private schools and academy trusts.



HEALTHCARE

In sensitive environments we understand the need for discretion and the need for continuity of care.



RETAIL

We understand the need for balance between maintaining operations and the safety of your staff and customers.



HOSPITALITY, HOTELS & LEISURE

Having worked for some of the largest hotel, restaurant and pub chains in the country, we know how to accommodate flexibility to minimise loss to trade and protect your brand.



CONSTRUCTION AND DEMOLITION

From minor work to complex contracts, we work to concise delivery timescales on all construction and demolition projects.



FACILITIES MANAGEMENT

We recognise the importance of delivery timescales and cost certainty within supply chain management and work to the satisfaction of end-users at all times.



PROPERTY MANAGEMENT

We are well versed in providing a friendly and reliable service with minimal disruption.



INDUSTRY AND MANUFACTURING

We are used to planning and operating in hazardous environments with site-specific controls, operational processes and delivery timescales. As with all sectors it is crucial to understand business processes, risks and objectives when working on such sites.

OUR SERVICES

Excellence in Air Quality and Fire Protection

Ventilation and extraction systems within buildings are essential for maintaining a healthy and hygienic indoor environment. Inadequate maintenance of these systems can pose significant fire risks. As a trusted provider of air hygiene services across the UK, we support clients to achieve optimal indoor air quality and fire safety compliance.

We are certified members of the Building Engineering Services Association (BESA), delivering effective and compliant solutions in line with industry best practices. Guided by our core values—accountability, trust, clarity, collaboration, and pride & passion—our expert team tailors services to meet your organisation's specific needs, ensuring a healthier, safer, and more productive environment.

Ventilation Risk Assessments

Ductwork Cleaning

Kitchen Extract Cleaning

Fire Damper Testing & Remediation

Indoor Air Quality Monitoring

LEV Testing

Consultancy

Your Responsibilities

As an employer, duty holder, or responsible person, you have a legal responsibility to provide a clean and safe environment for workers and the public. Ventilation and extraction systems play a critical role in air quality and fire safety with various legislation, guidance, and best practice, designed to ensure that such systems are adequately maintained and operating effectively. It is important to ensure compliance to the following:

Maintenance BS 9999

BS 9999 outlines essential compliance requirements for fire dampers, including regular inspection, testing, and maintenance to ensure they function effectively in a fire event. Fire dampers must be tested upon installation and at regular intervals, most commonly on an annual basis. Compliance with the standard involves implementing a rigorous testing schedule, adhering to best practices for repairs and replacements, and documenting all activities for accountability and record-keeping.

Healthcare Technical Memorandum 03-01 Part B

HTM 03-01 Part B outlines essential compliance standards for fire dampers and ventilation systems within healthcare settings. To meet these requirements, regular inspection, testing, and maintenance are mandated to ensure effective fire safety, air quality, and efficient system functionality. Fire dampers must undergo routine testing to verify operational integrity in preventing fire and smoke spread, and ventilation systems must be kept clean and well-maintained to minimise infection risks and optimise air quality.

Workplace (Health, Safety and Welfare) Regulations

The Workplace (Health, Safety and Welfare) Regulations place a duty on employers to ensure that mechanical ventilation systems (including kitchen extract ventilation systems) are free of faults likely to affect the health, safety or welfare of workers and provide an adequate level of hygiene. It also mandates employers to ensure that effective and suitable provisions are made to ensure that every enclosed workplace is ventilated by a sufficient quantity of fresh or purified air.

The Regulatory Reform (Fire Safety) Order

Article 17 (Maintenance) states that equipment and devices, in respect of premises, are subject to a suitable system of maintenance and are maintained in an efficient state, in efficient working order and in good repair. Additionally, Article 17 emphasises the importance of regular inspections and preventative maintenance schedules to ensure continued compliance and safety. This includes the prompt repair or replacement of any defective equipment to minimise risks and disruptions. Proper maintenance records should be kept as evidence of compliance.

Environmental Essentials are proud members of the Building Engineering Services Association (BESA) who play a key role in supporting compliance with critical health and safety regulations in relation to building engineering systems. BESA establishes rigorous standards and guidelines specifically designed to ensure fire safety, air quality, and ventilation system efficiency across various sectors. The BESA TR/19 guidelines for ventilation hygiene help duty holders meet compliance requirements by setting best practices for inspection, cleaning, and maintenance of ventilation systems to prevent fire risks and promote safe, healthy indoor environments. Through its certifications and training programs, BESA provides tools and resources that support members like us in delivering compliant, reliable air hygiene and fire protection services.



**Fire Protection
Association®**

Ventilation Hygiene Risk Assessment & Duct Cleaning



Well maintained ventilation systems are essential for maintaining a healthy and productive indoor environment. Contaminated ventilation systems can harbor particulates and harmful pathogens, which can be circulated throughout buildings, impacting occupants in numerous ways. It is well established that good ventilation hygiene practices in commercial premises not only supports the health and well-being of employees and customers but also leads to cost savings, productivity gains, and regulatory compliance. It can significantly contribute to a positive workplace culture and improved business outcomes. In healthcare settings the need for excellent air quality is paramount and so regular ventilation hygiene assessments and cleaning are crucial to maintaining a sterile, healthy environment.

Key benefits of a well-maintained ventilation system:

Improved Air Quality

A clean ventilation system significantly reduces the risk of airborne contaminants, ensuring a safer, healthier environment for employees and the public. As well as this moral obligation, improved air quality also provides an environment with improved morale, staff retention and reduced absenteeism.

Regulatory Compliance

Our ventilation hygiene services ensure compliance with best practice guidelines, including BESA TR/19 and Healthcare Technical Memorandum (HTM) 03-01. Adhering to these standards is crucial not only for legal compliance but also for maintaining high levels of health and safety within your facility.

Enhanced Energy Efficiency

Efficient ventilation systems, that are properly maintained, can help reduce energy consumption by controlling airflow and maintaining optimal temperature and humidity levels. This results in reduced energy consumption and lower operational costs.

Extended Asset Lifespan

Routine cleaning and maintenance prevent the build-up of harmful substances that can lead to corrosion, wear, and eventual failure. By maintaining a clean system, you extend the lifespan of your equipment, reducing the need for costly repairs or replacements.

Surveys & Risk Assessments

Ventilation Hygiene Risk Assessments are based upon a detailed evaluation of the system using advanced inspection devices, supported by microbiological testing and deposit thickness tests. This allows us to identify contamination levels and assess the overall hygiene of your system. We evaluate the condition of your ductwork and ventilation units to identify areas that require cleaning, maintenance or mechanical repair. We also provide surveys where asset records are insufficient

Duct cleaning & maintenance

Our duct cleaning services tackle contamination issues within your ventilation system with precision and effectiveness. We use a variety of cleaning methods tailored to the specific needs of your system. With the support of state of the art cleaning technologies and tools we ensure that all contaminants are fully removed, providing a deep clean that lasts longer and promotes better air quality. Finally, our post-clean certification, verified by BESA, provides compliance and peace of mind.

We offer ad-hoc assessments and deep cleans, as well as scheduled maintenance programs to keep your ductwork clean and free of debris all year round. No matter your needs, we're here to help you create a clean and safe environment for your employees and customers.

Kitchen extraction systems are essential for maintaining a safe, clean, and compliant kitchen environment. By removing airborne grease, smoke, and cooking fumes, these systems help to create a healthier workspace while preventing the accumulation of contaminants that could compromise both hygiene and safety. Over time, grease deposits build up within the extraction system—particularly in ducts, filters, and fans—posing a significant fire hazard if not regularly cleaned and maintained.

Filters in a kitchen canopy act as a first line of defence against airborne contamination.

However, smaller particles easily pass into the extract duct system and this accumulation can create hygiene and fire risks over time.

These hidden sections require regular, specialist cleaning dependent on the frequency of kitchen usage and with recommendations supported by a thorough risk assessment. Most reputable organisations in the hospitality, retail and academic sectors now include the kitchen extract system within their regular maintenance schedule.

In addition to hygiene and continued business considerations, there are potential legal implications to consider. Fire safety authorities and insurance providers often require documented evidence of regular cleaning and maintenance within this area.

Without supporting documentation, organisations may face additional safety compliance issues and could also invalidate insurance policies in the event of a fire. Implementing a routine maintenance schedule that includes kitchen extraction cleaning is a proactive approach to safeguarding your business, employees, and customers.

Our comprehensive kitchen extraction services include:



Grease Extract Testing

Our engineers conduct a thorough examination of the grease extract system. We use state-of-the-art equipment to measure contamination levels, identify areas requiring attention and providing a clear scope of work.



Professional Cleaning Services

We provide meticulous cleaning of kitchen extract systems, removing built-up grease and ensuring optimal performance. Our team accesses even the most hidden parts of your ductwork to thoroughly clean all components, minimising fire hazards and improving hygiene.



Compliance Certifications

Upon completion, we provide certification that documents adherence to BESA TR/19 Grease standards and regulatory requirements. These records demonstrate compliance for fire safety authorities, insurers, and health inspectors, ensuring peace of mind.

We offer flexible service packages tailored to your operational needs, ensuring minimal disruption to commercial operations while keeping your kitchen safe, compliant, and efficient. All cleaning works and system tests are carried out in accordance with BESA TR/19 specifications, guidelines, and documents (e.g., TR19 Grease).

Fire Damper Testing & Maintenance



With years of experience, our expert team provide thorough fire damper testing and maintenance services across many sectors. As a certified member of BESA and with in-depth knowledge of British Standards and industry best practices, we support organisations of all sizes to remain compliant, maintain fire safety, and protect their occupants.

Fire dampers are critical safety components within a building's ventilation system, designed to prevent the spread of fire and smoke through ductwork.

These devices automatically close in the event of a fire, sealing off ducts to contain fire and smoke to specific areas, and slowing the spread to other parts of the building.

Fire dampers are typically installed where ductwork passes through fire-rated barriers such as walls, floors, and ceilings. The importance of fire damper maintenance cannot be overstated—poorly maintained dampers may fail to operate during a fire, severely compromising a building's fire containment measures and the safety of its occupants. This is why regulatory authorities and insurers frequently mandate regular fire damper inspections and testing to ensure compliance with safety standards.

BS 9999, states that duty holders are responsible for ensuring that fire dampers are regularly tested, well-maintained, and fully operational to effectively prevent the spread of fire and smoke. The British Standard recommends that fire dampers are tested at least annually, although more frequent inspections may be necessary in environments prone to higher wear and tear, such as kitchens or industrial facilities. For healthcare premises, it is critical to adhere to Health Technical Memorandum 03-01 (Part B), which specifically calls for annual fire damper testing across all healthcare buildings.

Our trusted 3-phased service approach ensures that fire dampers remain compliant and fully operational:



Studies indicate people spend around 90% of their day indoors, often at work. Poor indoor air quality (IAQ) can lead to respiratory issues, allergies, fatigue, and chronic conditions like asthma and cardiovascular disease. For employers, poor IAQ impacts productivity, absenteeism, and morale, while in hospitals and schools, it exacerbates health issues. As awareness of indoor pollutants grows, monitoring IAQ is crucial for maintaining safe, healthy environments.

While outdoor air is often perceived as 'fresh' and 'clean,' it contains a multitude of pollutants. These include particulate matter from vehicle emissions, pollens, bacteria, and fungal spores. When ventilation systems are improperly maintained, ineffective, or fail, these pollutants can infiltrate indoor environments, compromising air quality.

Additionally, if moisture from humidification systems or condensation combines with organic matter, it can encourage microbial growth, thus further contaminating the air and posing health risks to building occupants. This is particularly dangerous in environments where occupants may already be vulnerable, such as hospitals, care homes, and schools.

Ensure a healthy and productive indoor working environment with our IAQ monitoring services

Our IAQ monitoring process includes:



Initial Consultation

We begin by understanding your specific requirements and goals for the IAQ monitoring programme, whether it's for regulatory compliance, safeguarding occupant health, or enhancing workplace productivity.



Pre-Site Assessment

Before commencing on-site work, we gather critical information such as building layout, occupancy levels, HVAC system specifications, and operational schedules. This helps us tailor the IAQ monitoring strategy to the unique needs of your facility.



Monitoring & Analysis

We use advanced IAQ monitoring equipment and air sampling techniques to track various parameters over time. Samples may be sent for lab analysis if harmful microorganisms or specific pollutants are suspected.



Detailed Reporting

After monitoring, we provide a comprehensive report with pollutant levels, temperature and humidity trends, and other IAQ metrics in clear graphs and charts. We also offer practical recommendations to address any issues and help maintain optimal air quality.

Our air hygiene engineers use advanced technology to monitor key IAQ parameters, ensuring a safe indoor environment. We measure factors such as CO₂, temperature, humidity, particulate matter, VOCs, and airborne bacteria to identify issues such as poor ventilation, harmful contaminants, or excess moisture. After data collection, we provide a detailed report with actionable recommendations to improve air quality as needed.

Local Exhaust Ventilation (LEV) Testing

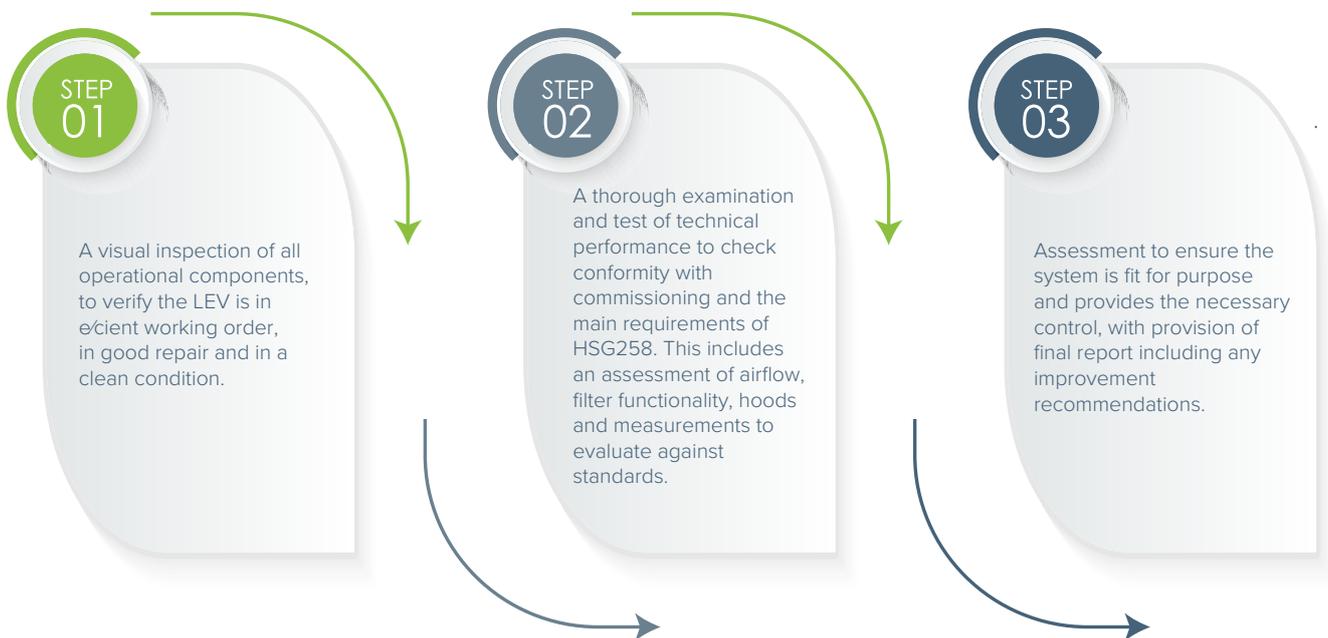


LEV systems are designed to control harmful airborne contaminants at source, extracting dust, fumes, vapours, and other pollutants before they enter the workspace. Effective LEV systems are essential for maintaining safe air quality, especially in industrial, manufacturing, and laboratory environments, where specific processes may cause the release of hazardous substances.

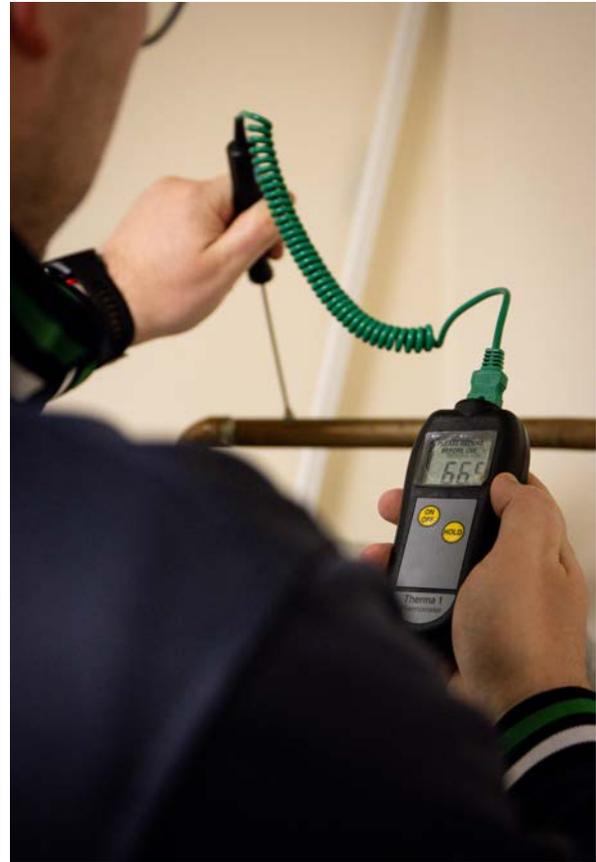
Stay compliant, protect your workforce..

LEV systems are a critical component in protecting employee health by significantly reducing exposure to these harmful substances, which can lead to respiratory problems, chronic illness, and other occupational health issues. By capturing and removing contaminants at source, LEV systems enable duty holders to comply with COSHH (Control of Substances Hazardous to Health) regulations and maintain a clean, safe working environment.

Regulation 9 of the COSHH Regulations requires employers to ensure regular testing and examination of LEV systems every 14 months. This routine testing confirms that systems remain efficient, compliant, and capable of protecting employee health. In addition to the annual examination, it's recommended that LEV systems are inspected more frequently for high-use or high-risk applications. Regular maintenance also extends the lifespan of the LEV system, reduces the risk of unplanned downtime, promoting optimal performance.



Environmental Essentials provide comprehensive LEV (Local Exhaust Ventilation) testing services throughout the UK to ensure effective workplace air hygiene and compliance with health and safety standards. Our LEV testing service is undertaken by BOHS P601 qualified consultants and our membership with BESA reinforces our commitment to best practice.



Asbestos Testing, Inspection & Management

- Surveys
- Re-inspections
- Analytical Monitoring
- Laboratory Services
- Asbestos Removal Management
- Consultancy
- Training

Air Hygiene & Fire Protection

- Ventilation Hygiene Risk Assessment & Duct Cleaning
- Kitchen Extraction Inspection & Cleaning
- Fire Damper Testing & Maintenance
- Indoor Air Quality
- Local Exhaust Ventilation (LEV) Testing

Water Hygiene & Treatment

- Legionella Risk Assessments
- Monitoring, Inspection & Maintenance
- Water Sampling & Analysis
- Remedial Works
- Water Treatment & Closed Systems
- Consultancy & Training

Health & Safety

- Strategic Risk Management
- H&S Compliance Audits
- CDM Principal Designer and Advisor Roles
- CDM site inspections
- Risk Assessment
- H&S Competent Person
- Fire Risk Consultancy



Ensuring **people**, **places** and **spaces** are safe

UK wide

Head Office:

Unit 3 Arlington Court, Silverdale Enterprise Park, Cannel Row, Newcastle-under-Lyme, Staffordshire ST5 6SS

Telephone: 0345 456 9953 **Email:** enquiries@environmentalessentials.co.uk

www.environmentalessentials.co.uk

Registered in England Number: 5097507



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