

# Environmental and Forensic Investigation Services



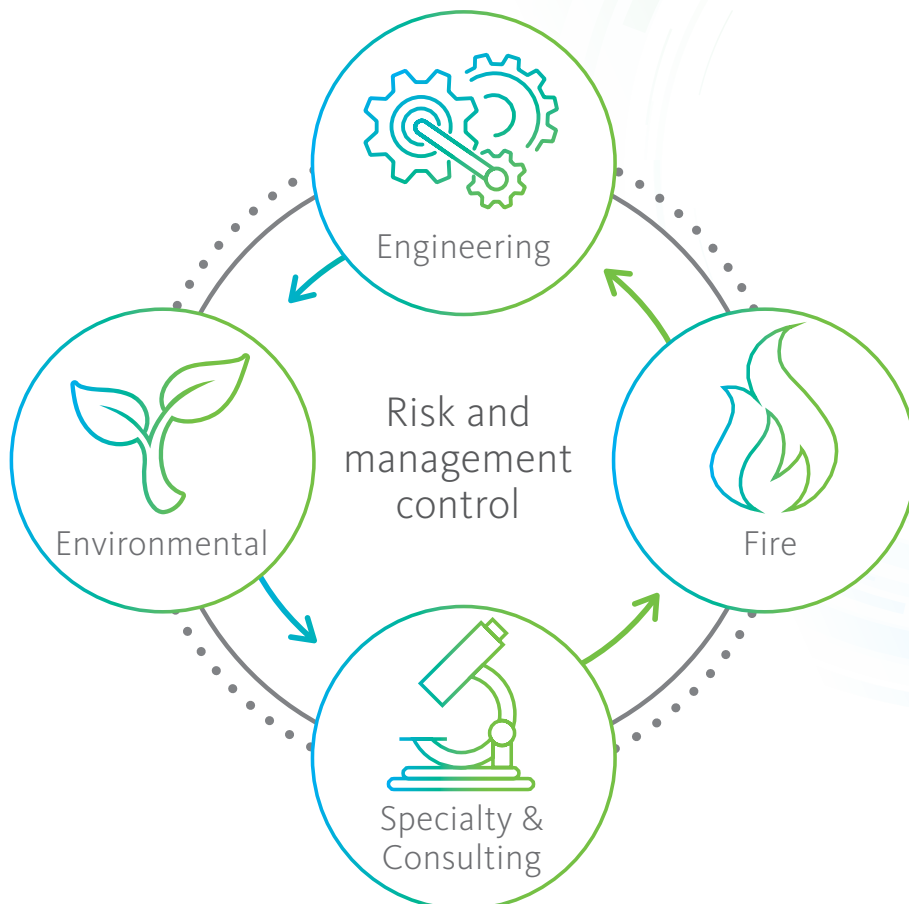
Our expert  
insights help  
empower  
your business  
decisions

EFI Global is a full-service environmental, engineering, forensic investigations and speciality consulting service.

Our EFI Global experts are specialists in environmental services, forensic engineering and fire and explosion investigations, as well as construction consulting and project management – delivering a range of professional and highly technical consultancy services.

We're committed to providing practical and inspired solutions to technically complex issues and our experience enables us to find faster and more efficient ways to approach specialist problems.

We combine our international experience with local expertise to provide expert professional advice together with recommendations and long-term solutions.



# EFI Global in the UK



## Environmental services

Our environmental services team have dedicated environmental claim experts and specialist environmental consultants. They're qualified and experienced in handling all types and sizes of environmental claims, wherever they occur. Issues include:

- Contamination of land, water, air and building structures
- Damage to protected biodiversity and habitat
- Environmental liabilities associated with land purchase and facility acquisitions

Our environmental experts have the expertise and knowledge to provide you with:

- Environmental site assessments
- Spill response management
- Indoor air quality assessment
- Pollution clean-up and validation monitoring
- Contaminated land investigation, remediation and validation
- Regulatory liaison and environmental compliance advice
- Third party scope review and data verification
- Geotechnical engineering analysis
- Expert witness services



## Forensic construction and engineering consultancy

Our professionally qualified experts offer a single source for all your engineering needs. From simple evaluations to investigations for High Court and arbitrations, we deliver a rapid response, in-depth analysis, and timely reporting for each project.

- Civil and structural engineering
- Mechanical, electrical and electronic engineering
- Telecommunications
- Construction management
- Large-scale transportation construction projects
- Renewable energy construction projects
- Ports and coastal infrastructure
- Ground investigations, earthworks, and contaminated soil remediation
- Building regulations and British Standard compliance
- Building services and/or structural analysis
- Infrastructure asset management including remedial works to address corroded/degraded structures
- Vehicle impact damage
- Subsidence damage to buildings
- Railway building and bridge structures
- Structural strengthening schemes

## EFI Global in the UK

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### Forensic fire and explosion investigations

Our fire and explosion team handle all types and sizes of claims, wherever they occur. They're able to provide independent advice on the origin and cause of a fire or explosion and are able to investigate losses or claims in support of subrogation or repudiation. Areas we provide support include:

- Electrical installations (domestic and commercial)
- Deliberate ignition
- Private/domestic dwellings
- Wind turbines/solar installations
- Industrial and commercial premises
- Hotels, public houses and restaurants
- Farms and farmland
- Vehicles
- Shipping/marine



### Specialty consulting

As a business, we specialise in managing every aspect of any type of loss and widescale catastrophic event. When we need highly specialised technical support, our experts may also partner with other organisations, collaborating with people who are skilled and accomplished in their specific field. We provide support in:

- Oil and water egress analysis
- Product failure and analysis
- Laboratory experimentation and engineering analysis for various construction materials
- Asbestos and lead surveys
- Carbon deposit analysis/swab testing
- Telecommunications
- Personal injury
- Working at height
- Industrial control systems

## Our technology

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Our award winning technology provides customised reporting and analytics, video footage, drone and satellite imagery, and video conferencing to keep you up to date and deliver a fast, effective service.

# Environmental Services



## How we can help?

### Soil, water and air contamination

EFI Global expert consultants collect soil, water and air samples to establish the extent of contamination following pollution events or to establish the extent of contamination following polluting land use. We understand investigation design, monitoring programmes, cost evaluation, environmental impact and compliance monitoring.

### Spill response management

The environmental services team offer spill response advice and attend where required to manage the initial response to a pollution event. Quick decision making mitigates losses, minimises environmental impact and business reputation damage. From FNOL to final site validation, our expert advice, leading industry knowledge and technical expertise ensure appropriate outcomes at reduced cost.

### Pollution clean-up and validation

Detailed knowledge of remediation techniques is required to ensure the most appropriate technology is applied following pollution events to ensure cost-effective clean-up, whilst also delivering to timescale, residual environmental risk and client specific requirements.

### Contaminated land services

Purchase of contaminated land can attract significant future liabilities if sites are not assessed adequately. We can assess the extent of any pollution, remediate and validate contaminated land. We can also assist with the facilitation of various insurance products to mitigate potential risk if remediation and redevelopment is not an immediate option.

### Regulation and compliance

We work with all local or national stakeholders including local councils and regulators (such as the Environment Agency) to agree methods before works are conducted. We maintain open communication with regulators and design and undertake compliance monitoring programmes to prove our client's operations are within set environmental parameters.

### Expert witness services

There may be cases where allegations of pollution to the environment can, or have already been, made. In this respect our team of experts can act as expert witness where causation and extent of impact may be disputed.

### Third party scope review and data verifications

Significant cost and time savings can be made by applying the appropriate technology in any environmental case. The correct remediation technology (or combination of techniques) needs to be designed and implemented carefully. Knowledge of the most appropriate disposal or treatment option for waste streams can also increase the overall environmental sustainability of an operation without compromising the remedial goals.



# Forensic Investigation Services



## How we can help?

### Forensic engineering services

Specialising in structural, mechanical, electrical and electronic engineering, we establish the causes of the failures. Our specialists also regularly carry out investigations relating to product liability.

### Fire and explosion investigations

We can determine the origin and cause of all types of fires and explosions, including accidental or incendiary. Our experts regularly respond to domestic and commercial fires and explosions. This also includes providing expert opinion on the fire-fighting techniques used.

### Fire safety assessment and training

Our fire safety experts provide specialist advice and training to insurers, building owners, and employers that assist them in carrying out pre and post-loss fire safety risk assessments, fire safety management, and checking fire strategies in their property portfolios.

### Marine

Our experts have extensive experience in investigating and determining causation and extent of damages for claims related to fire. This also includes providing expert opinion on the fire-fighting techniques used by the shore-side fire-fighters, the crew, port authorities and salvors. They can act as expert witness where causation or extent may be disputed.

### Energy

We can respond to incidents involving conventional and renewable power generation and energy storage. We also provide technical advice on their installation, maintenance and modes of failure.

### Telecommunications

Our experts in telecommunications and infrastructure and maintenance are able to support and advise you worldwide. We can also provide you with advice on equipment failures, third party damage, safety management, regulatory compliance, and incident remediation.

### Personal injury

We respond to accidents to determine the cause and evaluate the failure of safety systems, which can have hazardous health consequences.

### Water egress investigations

We can evaluate the cause, extent of damage and remediation required following impairment by water.

### Expert witness services

Where causation and extent of damage are disputed we can act as expert witnesses, providing independent opinion as experts in our fields.

## EFI Global UK main contacts

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