



Fire Suppression Systems

Heavy Duty Mobile Plant
Protecting Your Business

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 **Fireward**
Automatic Fire Suppression

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Are You At Risk?

- » Does your business rely on high value assets to operate?
- » Do your high value assets operate in harsh environments?
- » Do your high value assets operate in areas of high fire risk?
- » Would a fire of any size jeopardise your business and its operations?

If you can answer 'yes' to any of these questions, then your business is at risk.

Welcome To Fireward Automatic Fire Suppression Specialists

Protecting people and assets without compromise.

Fireward is built on a simple principle: to understand the needs, wants and demands of our customers.

This principle has helped us to become one of the fastest growing fire suppression companies in the UK. Understanding the needs of our market has helped us grow and build trust with customers and key suppliers across the UK.

Our team will guide you through the specification process tailored to each specific machine or piece of equipment, creating a carefully planned proposal to supply, fit and maintain a cost-effective fire suppression system ensuring your assets are protected 24/7.

Understanding The Complex Risks

All vehicles, plant and machinery are susceptible to fire. How much of a fire risk they pose depends on the type of equipment and its operating environment.

Certain equipment such as compactors, wheel loaders, excavators and cranes pose a complex risk that needs to be carefully analysed to ensure you are provided the best protection for you and your machines.

People & Solutions You Can Trust

An effective solution to reducing the risk of fire is to fit a Fireward Fire Suppression system to your fleet of vehicles and machinery. Our systems are installed within many industry sectors across the UK providing guaranteed protection against the threat of fire 24/7.

With the ever increasing demand to reduce emissions, comes increased complexity in the turbochargers, exhausts and treatment systems located in the engine bays. These systems generate heat that is well over the temperature required for instant combustion for most materials. It only takes a machine that hasn't been cleaned or properly maintained to cause a devastating and costly fire.

With our extensive knowledge of industry leading machinery, we have built the trust of insurers, manufacturers as well as existing customers, and are therefore recognized as being key fire protection specialists within the fire suppression industry.

Bringing peace of mind 24/7 to both people and assets.



Protecting More Than A Piece Of Equipment

Fire Suppression will protect more than just a piece of equipment. It protects your business by ensuring there is minimal downtime, while preventing losses that would occur if machinery was heavily damaged.

Fireward systems protect your people by ensuring that if a fire occurs, operators have time to respond to the incident in a safe and controlled manner once the suppression system has activated.

The disruption, downtime and cost of a fire will far outweigh the cost of a fire suppression system.

In many cases, the downtime and loss of earnings can far exceed the original cost of the machine.

Fires can be a significant problem, endangering personnel, equipment, work sites and even the environment. Fireward provides an excellent solution to help prevent a small fire from becoming a major event.

Additionally, many insurers recognising the potential losses associated with a fire, now require automatic fire suppression as a condition of coverage.



Do Not Become A Statistic

Fire destroys millions of pounds worth of waste, recycling and heavy plant equipment every year. The losses can include: the total price of the machine, decreased property value, bad press and thousands of pounds of lost revenue in down time. Yet many companies fail to properly protect their workers and industrial equipment from the damaging effects of fire.

The importance of working closely with fire protection specialists is to ensure that both parties understand the key fire risks to the business.

Remember nearly 70% of businesses fail to reopen after a major fire. This is a devastating figure.

To ensure all our clients are given exceptional customer service, we work with leading fire suppression manufacturers to bring the very latest technology, allowing us to constantly update our services to meet the needs of our customers.

Your Guide To Fire Risk

1 Identify The Risks

Source Of Ignition

What are the sources of ignition that threaten your assets?

Source Of Fuel

If a fire occurs, what is the fuel? Consider the asset and its surroundings, including the materials it processes.

Source Of Accelerants

Are there any solvents or oxygen sources on or near the machine that could cause an unchecked fire to quickly escalate?

Remove Or Reduce The Risk To People

If it is not possible to remove the assets or the people from the hazard, how can you reduce the risk?

Lighting

Good visibility must be maintained at all times where personnel are present.

Fire Fighting

Fire fighting should only be carried out by fixed installations designed for the task. **Fire fighting by personnel should only ever be carried out to aid a means of escape.**

Maintenance

It is essential that maintenance is carried out in line with an agreed 'Service Level Agreement' by a qualified Fireward Engineer.

2 Identify Persons At Risk

People In And Around The Premises

Who would be at risk if a fire broke out?

People Especially At Risk

Who would be at greater risk than any others? Machine operators?

3 Evaluate, Remove, Reduce And Protect From Risk

Risk Of Fire Occurring

Consider what the risks of a fire occurring within your assets are - lights out operations, heat, dirt, dust, combustible materials etc. Can these risks of ignition be reduced or removed?

Risk To People From Fire

Consider the people at risk, can these people be removed or can their time spent in the risk area be reduced?

Remove Or Reduce Fire Hazards

Can the hazard be removed? Is it essential to operate the asset in a specific area?

4 Record, Plan, Inform, Instruct And Train

Record

Site safety audits should be carried out weekly to include all fire fighting equipment and audible warning systems. Defects should be reported, recorded and rectified as soon as possible.

Plan

Have you planned for a fire? Have you planned for the after-effects of a fire?

Inform, Instruct And Train

Having a plan and not telling anyone is as worthless as not having one at all. Do your staff know what to do?

5 Review

All fire plans and fire risk assessments should be reviewed and updated on an annual basis, after any major changes, or as and when required.



Bringing peace of mind 24/7 to both people and assets.

How Does The System Work?

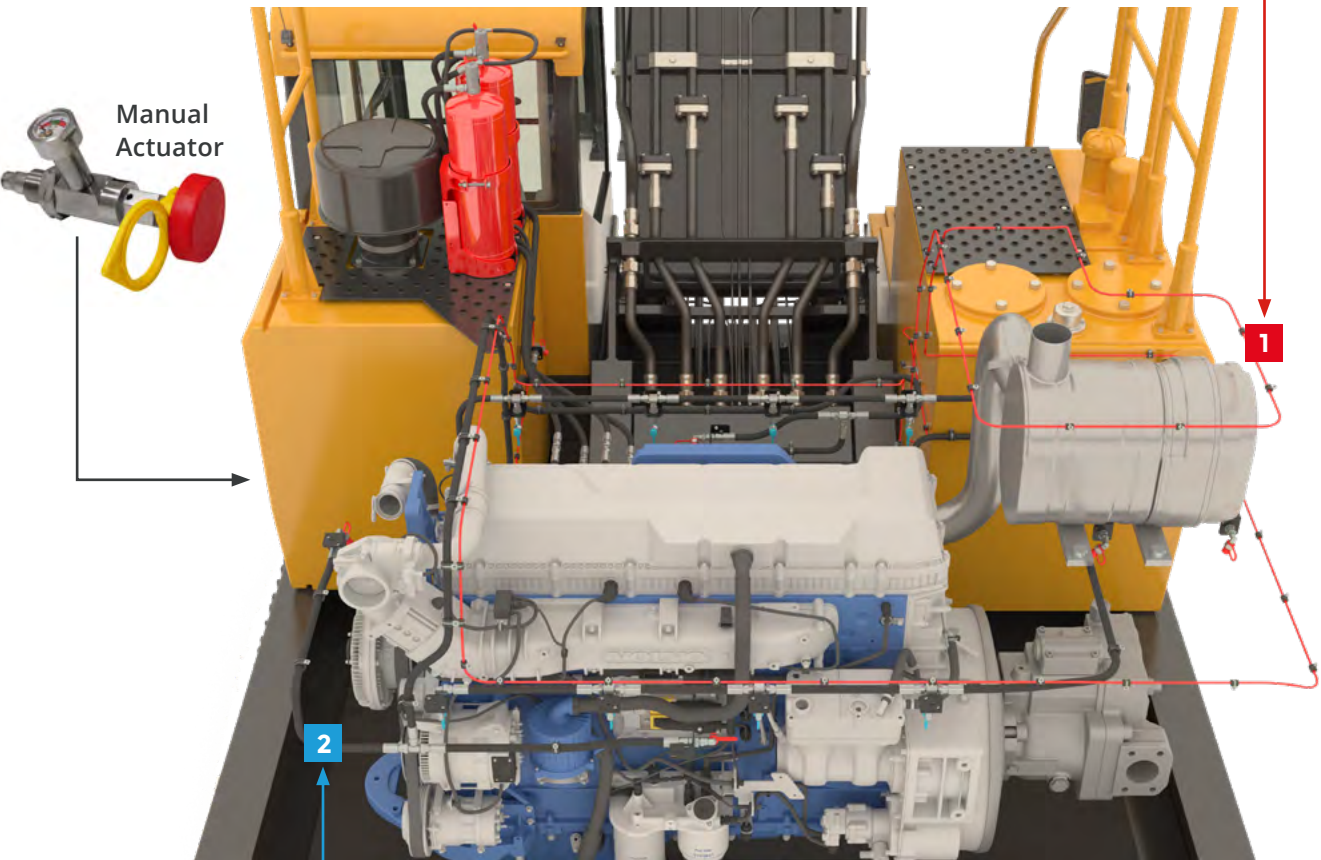
Fireward fire detection and suppression systems are designed to work without any external power, meaning they deliver 100% reliability. This is essential when combined with the harsh conditions that exist for vehicles and plant machinery working within challenging industry sectors.



1

Detection Tube

When a fire occurs, the detection tubing which is fitted within the engine bay bursts at the point of highest heat in under 10 seconds.



2

Discharge Network

Once activated the suppression agent is delivered through a network of hoses leading to carefully positioned nozzles within the engine bay.

The area where the suppression agent is released attacks not only the source of the fire, but ensures that the engine bay is completely covered.

Optional Extras

- » In-Cab Monitoring & Alarm
- » Battery Isolation
- » Manual Activation Point
- » Engine Shut Down
- » Dual Agent Upgrade



Dual Agent Systems

Fireward’s Dual Agent system is a versatile fire suppression system for class A, B and C fires, all of which are extremely common in heavy plant machinery.

Fires can present themselves as a spray fire (burst hydraulic hose), pool fire (collection of diesel from a fuel line), short circuit (faulty/damaged wiring loom) and/or fuel leakage (faulty connections dripping oil on to a hot surface).

The Fireward Dual Agent Fire Suppression System will keep your machine safe from everyday fire risks.

Types of Applications include:

- Wheel Loaders
- Excavators
- Shredders
- Telehandlers
- Cranes

Dual Agent systems are an outstanding fire suppression method due to the combined benefits of Dry Powder and Wet Chemical into one solution. Using both wet and dry agents reduces the chances of the fire reigniting after discharge.

Not only can the system provide rapid fire knockdown and excellent coverage with the Dry Powder, but with the cooling and blanketing properties of Wet Chemical, the system is economical and significantly smaller than that of a Wet Chemical only system.

- Pending SPCR 199 Approval from RISE Research Institutes of Sweden for Fire Suppression Systems in Engine Compartments for heavy vehicles 199

Our Fireward Dual Agent systems can be scaled up or down to suit your machinery. Due to the speed of the detection and suppression, fires are suppressed quickly and safely ensuring minimal damage and downtime. Quick and complete fire protection for your valuable assets.

Protect Your People, Assets & Business

As a leading fire suppression specialist within the UK, we deliver on our promise to protect both people and assets through the quality of our systems, delivering 100% reliability.

You are supported by a team of well-trained professionals where you can be assured of our best attention at all times. Our offering of real-time scheduling, emergency call-out services, on-site support, backed by a service level agreement ensures your business is fully protected.

Relax, with Fireward you're protected 24/7.

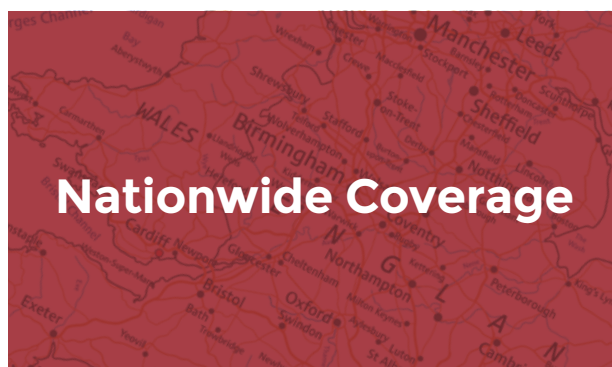
AS CHOSEN BY:



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- ✓ **Fire Suppression Systems**
 - ✓ **UK Coverage**
 - ✓ **24 / 7 Protection**
 - ✓ **Fast Response Engineers**
 - ✓ **Insurance Approved**
 - ✓ **Leasing Options**
 - ✓ **Service Contract Options**

Contact us

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