FIRE DESTROYER
ZERO FIRE

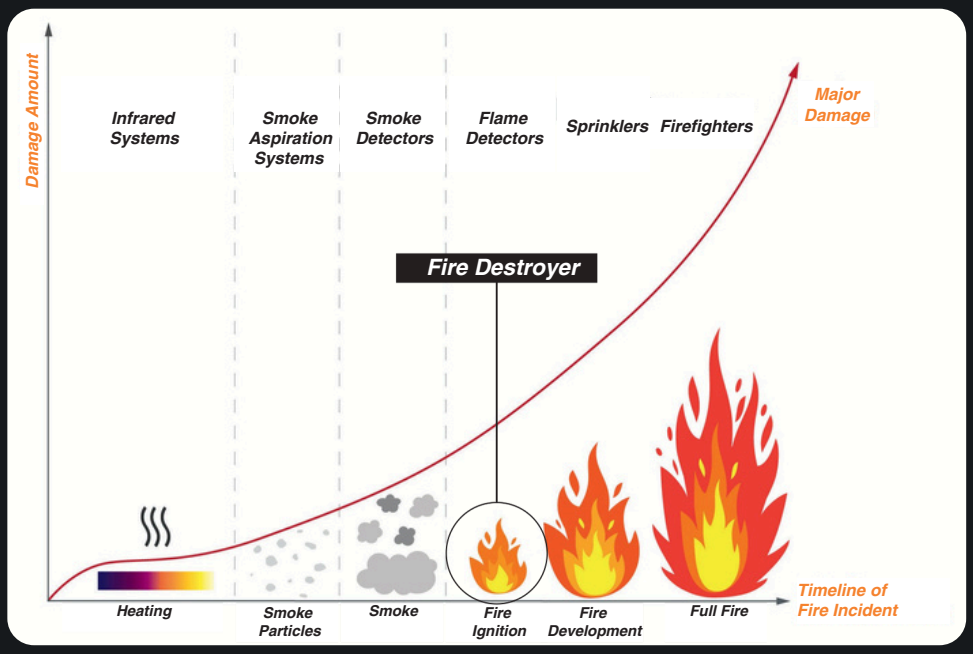
YOUR PRIVATE FIRE BRIGADE

SASO

الهيئة السعودية للمواصفات والمقاييس والجودة
Saudi Standards, Metrology and Quality Org.

What is Fire Destroyer & How does it work?

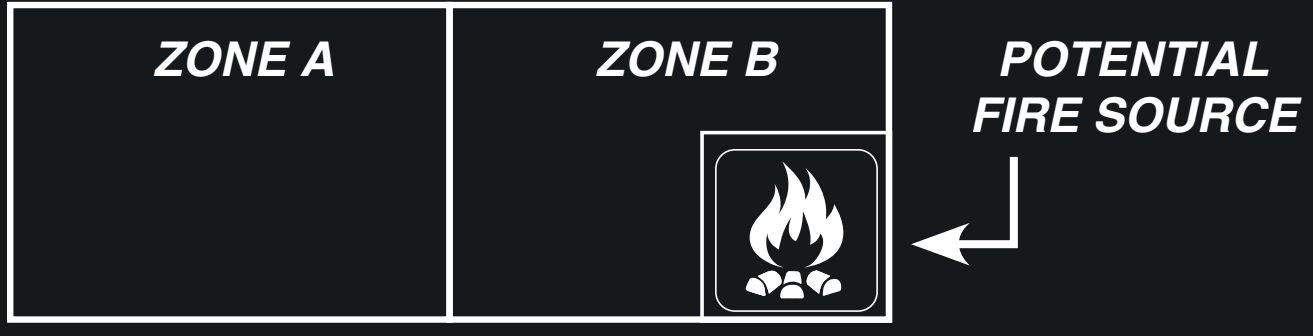
The automatic fire extinguishers are a new type of active fire protection designed to extinguish fires. The invention primarily addresses situations where no one is present at the scene of the fire or where it is unsafe for individuals to operate a fire extinguisher.



When the flame comes into contact with the device, the fuses surrounding it ignite within seconds, automatically triggering the internal reaction. The extinguishing agent, in the form of a dry substance, is dispersed throughout the space and extinguishes the fire. Depending on the size of the unit, the fire extinguishers cover an area ranging from 0.12 to 12 cubic meters.

An Addition to the Fire Protection Concept

Our products offer a significant advantage: they do not need to be installed throughout an entire building or vehicle. Instead, they are micro-units that are strategically placed near potential sources of fire. This targeted installation brings several benefits: lower costs due to reduced material and labor requirements, faster reaction time as the micro-units act directly at the danger zones, and ultimately, less overall damage thanks to quicker and more effective fire suppression.



Aerosol Technology

We recommend the use of aerosol extinguishing agents in areas where expensive and sensitive equipment needs protection. The gaseous suppression method provides optimal protection for your devices and systems against fire damage—without the risk of collateral damage from the extinguishing agent. Invest in the safety of your equipment by choosing aerosol extinguishers for clean, residue-free fire suppression.

Aerosol Gas Disc

Countless Applications!

The FIRE DESTROYER AEROSOL DISC is suitable for all environments. Thanks to its large extinguishing volume and a 10-meter fuse cord, any area can be secured effectively.

Aerosol Gas Sticker

Small and Accessible Everywhere!

The FIRE DESTROYER Sticker is specially designed for use in extremely tight spaces within buildings due to its compact shape and size.

Class A Solid combustibles

Class B Flammabl e liquids

Class C Gases

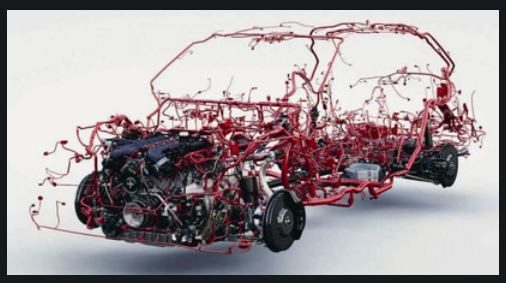
Class F Cooking oils and fats

Fire Protection for Cars, Vans, and Trucks: Safety on the Road

Over 48 million cars, vans, and trucks are on the road. However, the comfort and advanced technology of these vehicles also pose fire risks from sources such as electrical systems, fuel systems, or heating devices. With approximately 55,000 vehicle fires occurring each year — often resulting in total destruction — effective fire protection is essential.

Traditional fire protection methods like handheld extinguishers require manual operation, putting users at risk and wasting valuable time before the fire can be addressed. The Fire Destroyer enhances existing fire protection as an innovative, automated system: it is installed directly at potential fire sources, activates automatically at the onset of a fire, and helps prevent more severe damage. This is a completely new approach, eliminating the need for people to extinguish fires themselves or expose themselves to danger. Moreover, the Fire Destroyer is permanently active, offering 24/7 protection and extinguishing fires even when no one is present—taking safety to a whole new level.

Statistically, about 55,000 vehicles catch fire in Germany each year, with electrical faults and human error being the main causes—risks that affect cars, vans, and trucks alike. Effective fire protection, such as innovative solutions like the Fire Destroyer, is therefore essential to ensure driver safety and prevent potential disasters.



Electrical Systems

Defective cables, loose connections, or short circuits in vehicle electronics can ignite fires through sparking or overheating, especially if systems are not regularly inspected or are compromised by corrosion or improper installation.

Batteries

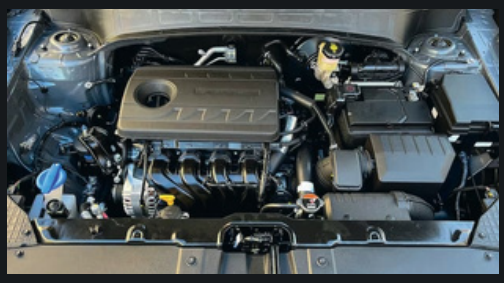
Short circuits or overcharging in batteries can cause fires due to leaking cells or faulty chargers, particularly if batteries are not regularly checked or protected from vibrations and temperature fluctuations, which can lead to thermal runaway.

Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Defective Fuel Systems

Leaking lines, faulty pumps, or improper fuel storage can release flammable vapors, which may ignite fires or cause explosions in the presence of sparks or flames, especially with irregular maintenance or material fatigue.



Engine and Machine Compartment

Overheated engines, defective exhaust systems, or mechanical wear can cause fires, particularly during operation without adequate cooling, oil changes, or inspections, compromising vehicle safety.

Heating Devices

Faulty auxiliary heaters or air conditioning systems can ignite fires due to technical failures, inadequate ventilation, or improper use, especially if operated without maintenance or near flammable materials, endangering vehicle safety.

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Fire Protection on Boats & Yachts: A Critical Safety Factor on the Water

In Germany and around the world, boats and yachts are popular recreational and luxury vehicles. However, they also pose significant fire risks caused by various factors.

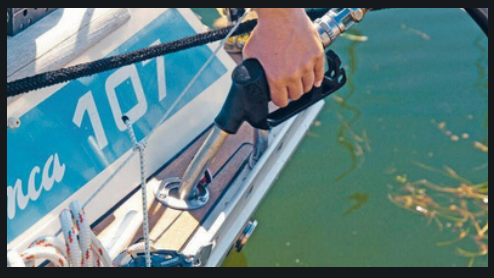
They are particularly vulnerable due to technical defects, poor maintenance, improper handling, contamination, and faulty installation—any of which can lead to fires or explosions that spread rapidly in confined spaces. Statistics show that approximately 10–15% of boat fires in Europe are caused by electrical issues, with damages averaging between €50,000 and €200,000, according to the European Boating Industry (2024). Globally, around 1,000 boat fires are reported each year, many of which are caused by human error, as noted by the International Maritime Organization (IMO). A fire can not only destroy valuable equipment but also endanger lives and require costly rescue operations — each hour of delay in firefighting adds roughly €10,000 to the cost.

Effective fire protection is therefore essential to ensure safety on board and to prevent disasters on the water.

Electrical Systems

Defective cables, loose connections, or short circuits in onboard electronics can ignite fires through sparking or overheating, particularly when corrosion, inadequate insulation, or lack of inspection in salty environments compromise the systems.

Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***



Defective Fuel Systems

Leaking fuel lines, faulty pumps, or improper fuel storage can release flammable vapors, which may ignite fires or cause explosions in the presence of sparks or flames, especially with irregular maintenance or rust-related weakening.

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Batteries

Short circuits or overcharging in batteries can cause fires due to leaking cells or defective chargers, particularly if batteries are not inspected, secured, or protected from vibrations, which can lead to thermal runaway.

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Engine and Machine Compartment

Overheated engines, defective exhaust systems, or mechanical wear can cause fires, particularly during operation without adequate cooling, oil changes, or inspections, compromising onboard safety.

Onboard Heating Devices

Faulty heating devices, such as cabin heaters or water heaters, can ignite fires due to technical failures, inadequate ventilation, or improper installation, especially if operated for extended periods without maintenance or near flammable materials like upholstery, endangering onboard safety.

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Fire Protection for Private Households: Safety for Home and Family

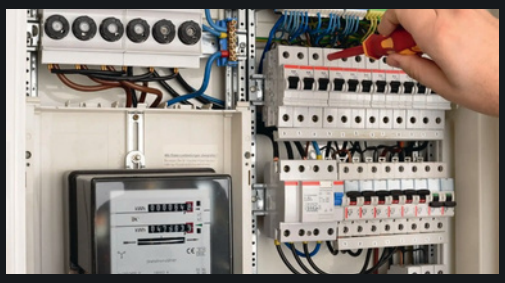
Millions of people live in private households, but the comfort and technology of modern living spaces come with fire risks from sources such as electricity, heating devices, or kitchen appliances. With approximately 200,000 residential fires per year — often causing severe damage — effective fire protection is essential.

Traditional fire safety measures such as handheld extinguishers require manual intervention, which puts users at risk and leads to lost time before the fire can be addressed. The Fire Destroyer enhances this existing protection with an innovative, automated system: it is installed directly at potential fire sources, activates automatically at the outbreak of a fire, and prevents larger damage. This is a novel approach, as it eliminates the need to extinguish fires manually or enter hazardous areas. Moreover, the Fire Destroyer remains active at all times, providing 24/7 protection and extinguishing fires even when no one is present— elevating safety to a new level.

Statistically, residential fires in Germany cause more than four billion euros in damage annually, with electricity and human error being the primary causes—risks that affect private households as well. Effective fire protection, such as the use of innovative solutions like the Fire Destroyer, is therefore essential to ensure the safety of residents and to prevent potential disasters.

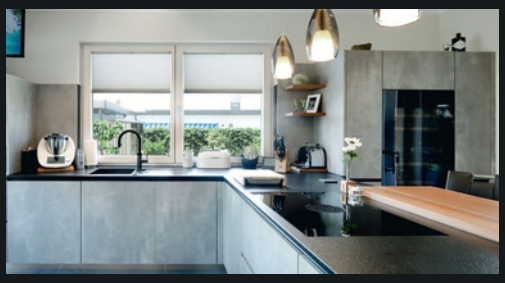
Electrical Appliances

Defective cables, loose plug connections, or short circuits in appliances such as washing machines, dryers, or charging cables can ignite fires through sparking or overheating, especially if they are not regularly inspected or used improperly.



Overloaded Circuits

Excessive strain from power strips or multiple devices operating simultaneously can cause overheating, melting insulation, or burning out circuits, increasing fire risk, particularly with inadequately sized power supplies.



Kitchen Area

Unattended stovetops, grease fires, or improper handling of gas appliances can cause fires, especially when oils and fats overheat or devices are operated without supervision, exacerbated by inattention or lack of cleaning.

Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Heating Devices

Faulty radiators, wood stoves, or space heaters can ignite fires due to technical failures, inadequate ventilation, or improper use, particularly if operated without maintenance or near flammable materials like curtains.

Candles and Open Flames

Unattended burning candles, lighters, or fireplace fires can easily ignite flammable materials such as textiles or paper, especially when used without a safe distance or left unattended, significantly increasing the fire risk.

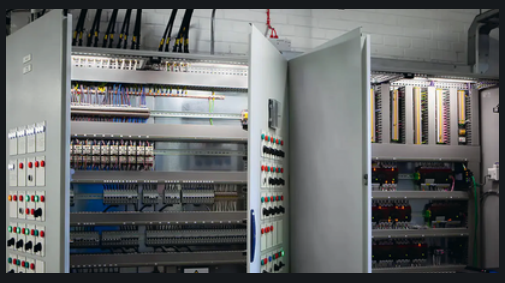
Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Fire Protection in the Industrial Sector: A Crucial Precaution for Production and Safety

Industrial facilities are the backbone of many economic sectors, but they pose significant fire risks due to various factors. They are particularly vulnerable to technical defects, poor maintenance, improper handling, contamination, and faulty installations, which can trigger fires or explosions that spread rapidly in large production halls.

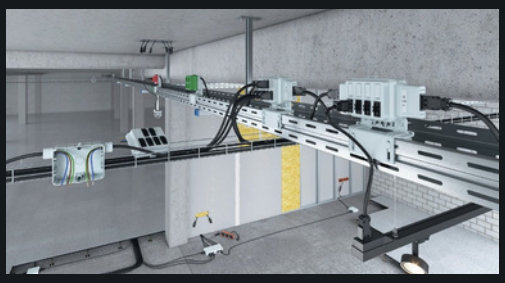
Statistics show that approximately 25% of fires in industrial facilities are caused by electrical issues, with average damages ranging between €500,000 and €2 million, according to the Association of Property Insurers (VDS, 2023). Annually, industrial fires in Germany cause damages exceeding €5 billion, as reported by the German Insurance Association (GDV), with a single fire not only destroying valuable machinery and inventory but also causing production downtime — each hour of standstill costs an average of €20,000.

Effective fire protection is therefore essential to ensure the safety of facilities and maintain the continuity of business-critical processes.



Electrical Systems

Defective cables, loose connections, or short circuits in machines and control systems can ignite fires through sparking or overheating, particularly with irregular maintenance or improper installation in complex production environments.



Overloaded Circuits

Excessive strain from heavy machinery or high energy consumption can cause overheating, melting insulation, or burning out circuits, increasing fire risk, especially with inadequately sized power supplies in industrial processes.

Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Defective Machines and Drives

Failure or overheating of motors, pumps, or drive systems can cause fires due to wear or inadequate lubrication, as heat builds up in machine compartments and ignites flammable materials like oil or plastics if not maintained promptly.

Heating and Thermal Systems

Faulty heating devices, overheated furnaces, or improper installation of heat sources can ignite fires, particularly during prolonged operation without adequate maintenance or monitoring, endangering safety in production halls.

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Lack of Maintenance

Neglected inspections, un-replaced defective parts, or irregular cleaning increase fire risk, as rust, oil buildup, and minor faults are exacerbated by intensive use, leading to preventable fires.

Fire Protection in Hospitals: Essential Protection for Patients and Staff

Over 1,900 hospitals care for thousands of patients daily, but their complex infrastructure and numerous devices pose fire risks from sources such as electricity, medical equipment, or oxygen systems. With around 600 fires in healthcare facilities annually, often with severe consequences, effective fire protection is crucial to safeguard lives and prevent operational disruptions.

Traditional fire protection measures, such as fire extinguishers, require manual intervention, putting staff at risk and causing delays in fire suppression. The Fire Destroyer enhances existing fire protection as an innovative, automated system: it is installed directly at potential fire sources, activates automatically at the onset of a fire, and prevents major damage—a novel approach, as it eliminates the need to manually extinguish fires or enter hazardous areas. Moreover, the Fire Destroyer is continuously active, providing round-the-clock protection and extinguishing fires even when no one is present, elevating safety to a new level.

Statistically, fires in German hospitals cause damages exceeding €50 million annually, with electricity and human error being the primary causes —risks that endanger the safety of patients and staff. Effective fire protection, such as through innovative solutions like the Fire Destroyer, is therefore essential to protect lives and prevent potential catastrophes.

Electrical Systems

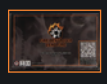
Defective cables, loose connections, or short circuits in hospital electronics can ignite fires through sparking or overheating, particularly if systems are not regularly inspected or are compromised by high stress and aging.

Medical Devices

Overheated or defective devices such as ventilators, defibrillators, or X-ray machines can cause fires, especially when operated without adequate maintenance, improper use, or due to technical failures.

Oxygen Systems

Leaking oxygen lines or improper handling of oxygen cylinders can trigger fires or explosions, as oxygen accelerates combustion, particularly in combination with sparks or flammable materials like disinfectants.

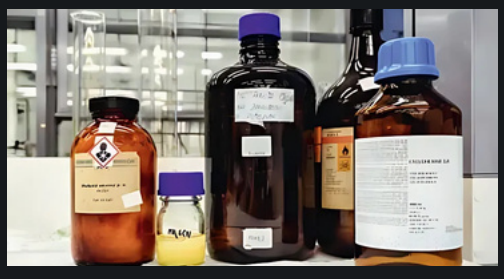


Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Heating Devices and Air Conditioning

Faulty heating systems or air conditioners used for temperature regulation can ignite fires due to technical failures or inadequate ventilation, especially if operated without maintenance or near flammable materials.



Chemicals and Disinfectants

Flammable chemicals or disinfectants, commonly used in hospitals, can ignite upon contact with sparks or heat, exacerbated by improper storage or inadequate ventilation.

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Fire Protection for Classic Cars: Safety for Automotive Treasures

Over 500,000 classic cars are on the roads and in garages, but their historical technology and unique construction pose fire risks from sources such as electrical systems, fuel systems, or inadequate maintenance. With around 55,000 vehicle fires annually, often leading to complete destruction, effective fire protection is crucial to preserve these valuable vehicles.

Traditional fire protection measures, such as fire extinguishers, require manual intervention, putting users at risk and causing delays in fire suppression. The Fire Destroyer enhances existing fire protection as an innovative, automated system: it is installed directly at potential fire sources, activates automatically at the onset of a fire, and prevents major damage—a novel approach, as it eliminates the need to manually extinguish fires or enter hazardous areas. Moreover, the Fire Destroyer is continuously active, providing round-the-clock protection and extinguishing fires even when no one is present, elevating safety to a new level.

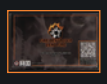
Statistically, around 55,000 vehicles catch fire in Germany each year, with electricity and human error being the primary causes—a risk that also affects classic cars. Effective fire protection, such as through innovative solutions like the Fire Destroyer, is therefore essential to ensure the safety of these automotive treasures and prevent potential catastrophes.

Electrical Systems

Aging cables, loose connections, or short circuits in the historical electronics of classic cars can ignite fires through sparking or overheating, particularly if systems are not regularly inspected or compromised by material fatigue and improper retrofitting.

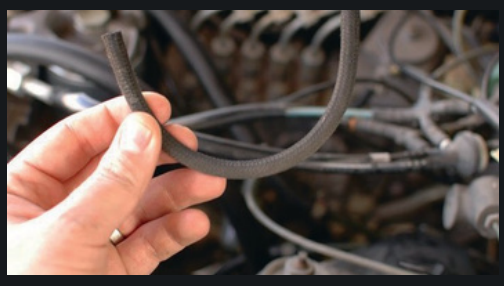
Batteries/Chargers

Short circuits or overcharging in classic car batteries can cause fires due to leaking cells or defective chargers, especially if batteries are not regularly checked or protected from aging and vibrations, which can lead to thermal runaway.



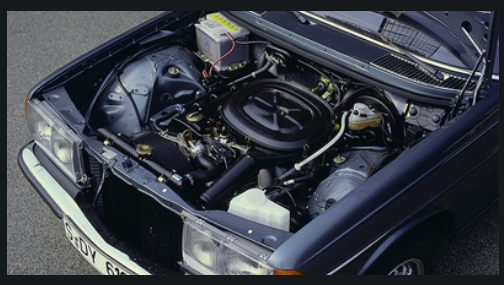
Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Product Recommendations: Aerosol Disc ***Countless application possibilities!***



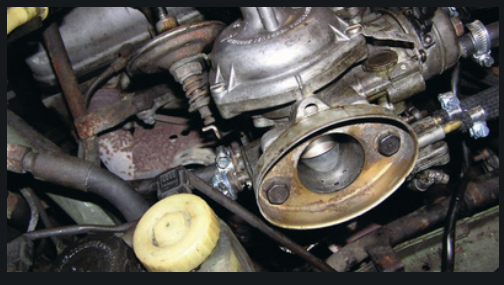
Fuel Systems

Leaking lines, outdated carburetors, or improper fuel storage can release flammable vapors, which may ignite fires or cause explosions in the presence of sparks or flames, particularly with irregular maintenance or corrosion in older systems.



Engine and Machine Compartment

Overheated engines, defective exhaust systems, or mechanical wear can cause fires, especially during operation without adequate cooling, oil changes, or inspections, compromising the safety of these historical vehicles.



Oil and Grease Contamination

Accumulations of oil, grease, or dirt in the engine compartment or on components can ignite upon heat exposure, exacerbated by inadequate cleaning, lack of maintenance, or neglect in garages

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Fire Protection for Horse Transporters: Protection for Animals and Drivers

Thousands of horse transporters are used to safely transport animals, but the combination of technical components and flammable materials poses fire risks from sources such as electrical systems, fuel systems, or heating devices. With approximately 55,000 vehicle fires annually, often resulting in complete destruction, effective fire protection is crucial to protect animals and drivers.

Traditional fire protection measures, such as fire extinguishers, require manual intervention, putting users at risk and causing delays in fire suppression. The Fire Destroyer enhances existing fire protection as an innovative, automated system: it is installed directly at potential fire sources, activates automatically at the onset of a fire, and prevents major damage—a novel approach, as it eliminates the need to manually extinguish fires or enter hazardous areas. Moreover, the Fire Destroyer is continuously active, providing round-the-clock protection and extinguishing fires even when no one is present, elevating safety to a new level.

Statistically, around 55,000 vehicles catch fire in Germany each year, with electricity and human error being the primary causes—a risk that also affects horse transporters. Effective fire protection, such as through innovative solutions like the Fire Destroyer, is therefore essential to ensure the safety of animals and drivers and prevent potential catastrophes.

Electrical Systems

Defective cables, loose connections, or short circuits in vehicle electronics can ignite fires through sparking or overheating, particularly if systems are not regularly inspected or compromised by moisture and vibrations.

Batteries

Short circuits or overcharging in batteries can cause fires due to leaking cells or defective chargers, especially if batteries are not regularly checked or protected from temperature fluctuations and stress, which can lead to thermal runaway.

Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Fuel Systems

Leaking lines, faulty pumps, or improper fuel storage can release flammable vapors, which may ignite fires or cause explosions in the presence of sparks or flames, particularly with irregular maintenance or material fatigue in older vehicles.

Heating Devices

Faulty auxiliary heaters or air conditioners, often used to protect animals, can ignite fires due to technical failures or improper use, especially if operated without maintenance or near flammable materials like straw.

Straw and Organic Materials

Straw, hay, or other organic materials in the transport area can easily ignite upon contact with sparks or heat, exacerbated by inadequate cleaning, poor ventilation, or spark generation from electrical defects.

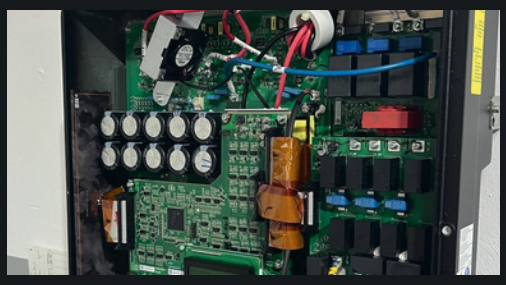
Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Fire Protection for Photovoltaics: Essential Protection for Energy and Sustainability

Photovoltaic systems are a central component of the energy transition, but they pose significant fire risks due to various factors.

They are particularly vulnerable to technical defects, poor maintenance, improper handling, contamination, and faulty installations, which can trigger fires that spread rapidly on rooftops or within buildings.

Statistics show that approximately 0.5% of photovoltaic systems in Germany are affected by fires annually, with average damages ranging between €30,000 and €150,000, according to the Institute for Loss Prevention and Loss Research (IFS, 2023). Annually, fires in photovoltaic systems cause damages exceeding €50 million, as reported by the German Insurance Association (GDV), with a single fire not only destroying the system but also endangering buildings, neighboring properties, and human lives.



Electrical Systems

Defective cables, loose connections, or short circuits in inverters and wiring can ignite fires through sparking or overheating, particularly if systems are not regularly inspected or compromised by improper installation under varying weather conditions.

Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Defective Solar Modules

Damaged or faulty solar modules, due to manufacturing defects, hail damage, or aging, can generate electrical arcs that cause fires, especially if modules are not regularly inspected or weakened by improper installation.

Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Battery Storage

Short circuits or overcharging in battery storage systems can create fire hazards due to leaking cells or defective charge controllers, particularly if batteries are not regularly maintained, properly cooled, or protected from overheating, increasing the risk of thermal runaway.

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Inverters

Overheated or defective inverters can ignite fires due to technical failures or inadequate ventilation, especially if operated for extended periods without sufficient cooling, inspection, or with improper installation, endangering the safety of the entire system.

Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Lack of Maintenance

Neglected inspections, un-replaced defective parts, or irregular cleaning increase fire risk, as minor faults can escalate due to weather exposure and aging, leading to unpredictable fires that could be prevented with regular checks.

Fire Protection for Tour Buses: Safety for Passengers and Drivers

Tens of thousands of coach buses transport millions of passengers annually, but their complex technology and high occupancy pose fire risks from sources such as electrical systems, fuel systems, or heating devices. With approximately 55,000 vehicle fires each year, often resulting in complete destruction, effective fire protection is crucial to ensure the safety of everyone on board.

Traditional fire protection measures, such as fire extinguishers, require manual intervention, putting users at risk and causing delays in fire suppression. The Fire Destroyer enhances existing fire protection as an innovative, automated system: it is installed directly at potential fire sources, activates automatically at the onset of a fire, and prevents major damage—a novel approach, as it eliminates the need to manually extinguish fires or enter hazardous areas. Moreover, the Fire Destroyer is continuously active, providing round-the-clock protection and extinguishing fires even when no one is present, elevating safety to a new level.

Statistically, around 55,000 vehicles catch fire in Germany each year, with electricity and human error being the primary causes—a risk that also affects coach buses. Effective fire protection, such as through innovative solutions like the Fire Destroyer, is therefore essential to ensure the safety of passengers and drivers and prevent potential catastrophes.

Electrical Systems

Defective cables, loose connections, or short circuits in bus electronics can ignite fires through sparking or overheating, particularly if systems are not regularly inspected or compromised by high stress and vibrations.

Fuel Systems

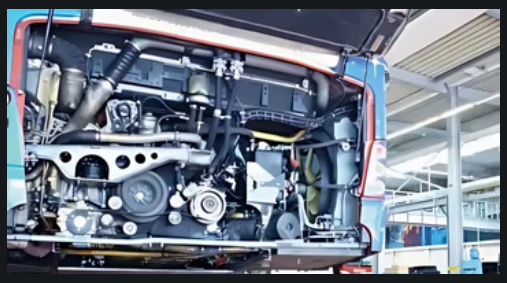
Leaking lines, faulty pumps, or improper fuel storage can release flammable vapors, which may ignite fires or cause explosions in the presence of sparks or flames, especially with irregular maintenance or material fatigue in large tank systems.

Batteries

Short circuits or overcharging in batteries used for air conditioning or electronics can cause fires due to leaking cells or defective chargers, particularly if batteries are not regularly checked or protected from temperature fluctuations.

Product Recommendations: Aerosol Gas Sticker *Compact & accessible everywhere!*

Product Recommendations: Aerosol Disc *Countless application possibilities!*

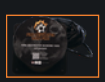


Heating Devices and Air Conditioning

Faulty heating systems or air conditioners used for passenger comfort can ignite fires due to technical failures or improper use, especially if operated without maintenance or near flammable materials.

Upholstery and Interior Materials

Flammable materials such as seat cushions, curtains, or floor coverings in the interior can easily ignite upon contact with sparks or heat, exacerbated by inadequate cleaning, lack of fire-retardant treatment, or spark generation from electrical defects.



Product Recommendations: Aerosol Disc *Countless application possibilities!*

Fire Protection for Control Cabinets: Tailored Precaution for Every Building

Electrical control cabinets are essential for managing and distributing electrical energy in buildings and industrial facilities, but they pose significant fire risks due to various factors. They are particularly vulnerable to technical defects, poor maintenance, improper handling, contamination, and faulty installations, which can trigger fires that spread rapidly within electrical systems.

Statistics show that approximately 20% of building fires are caused by electrical issues in control cabinets, with average damages ranging between €20,000 and €100,000, according to the Association of Property Insurers (VDS, 2023).

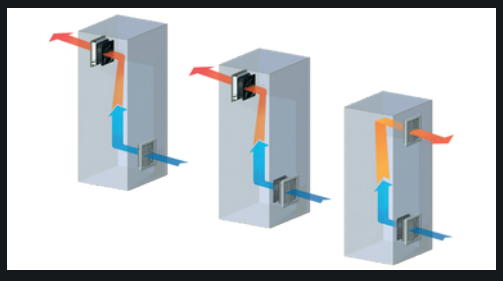
Annually, fires in electrical systems in Germany cause damages exceeding €500 million, as reported by the German Insurance Association (GDV), with a single fire not only destroying control cabinets but also causing power outages, operational disruptions, and risks to human safety — each hour of downtime costs an average of €15,000.

Electrical Components

Defective cables, loose connections, or short circuits in switch relays and fuses can ignite fires through sparking or overheating, particularly if components are not regularly inspected or compromised by improper installation in high- stress environments.

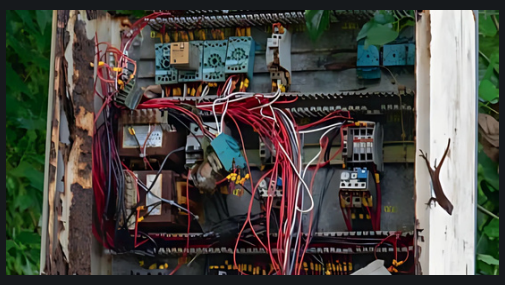
Overloaded Circuits

Excessive strain from high current flows or connected devices can cause overheating, melting insulation, or burning out circuits, increasing fire risk, especially with inadequately sized power supplies in control cabinets.



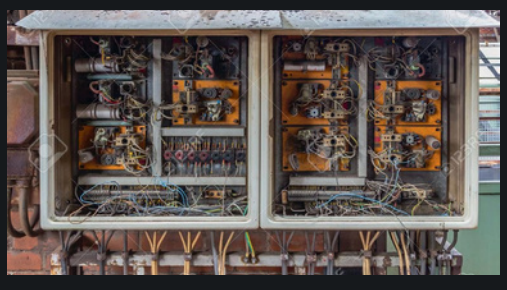
Defective Cooling Systems

Failure of ventilation or cooling fans in control cabinets can lead to overheating of electrical components, as heat builds up in confined enclosures, damaging equipment and igniting flammable materials if ventilation is not promptly restored.



Component Aging

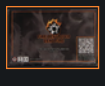
Aging or worn components such as fuses, relays, or cable insulation can cause fires due to material fatigue, particularly if operated for extended periods without adequate inspection or replacement, compromising the safety of the control cabinet.



Lack of Maintenance

Accumulations of dust or moisture ingress in the control cabinet can cause short circuits that ignite upon heat buildup, exacerbated by inadequate cleaning, poor sealing, or neglected maintenance.

Product Recommendation: Varies depending on the size of the control cabinet!



Product Recommendations: Aerosol Gas Sticker *Compact & accessible everywhere!*

Product Recommendations: Aerosol Disc *Countless application possibilities!*

Fire Protection for Server Rooms: Essential Protection for Data and Technology

Server rooms are the backbone of many companies, but they pose significant fire risks due to various factors. They are particularly vulnerable to technical defects, poor maintenance, improper handling, contamination, and faulty installations, which can cause short circuits or overheating that rapidly escalate into fires.

Statistics show that electricity is a leading cause of fires in technical facilities, with approximately 67% of incidents causing losses exceeding €100,000 and 15% resulting in damages over €1 million, according to Gartner Research (2023). Annually, fires in German businesses cause damages of nearly €2 billion, as reported by the German Insurance Association (GDV), with a single fire not only destroying expensive hardware but also causing critical data loss and operational downtime each minute of downtime costs an average of €5,600.

Effective fire protection is therefore essential to ensure the safety of server rooms and protect the continuity of business-critical processes.

Electrical Systems

Defective cables, loose connections, or short circuits in power supply units can ignite fires through sparking or overheating, particularly with irregular inspections or improper installation.

Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Overloaded Circuits

Excessive strain from servers or network equipment can cause overheating, melting insulation, or burning out circuits, increasing fire risk, especially with inadequately sized power supplies.

Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Defective Cooling Systems

Failure of air conditioning or ventilation systems can lead to hardware overheating, as heat builds up in server rooms, damaging equipment and igniting flammable materials if ventilation is not quickly restored.

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Batteries (e.g., UPS Systems)

Short circuits or overcharging in UPS systems can cause fires due to leaking batteries or faulty charge regulation, particularly if batteries are not regularly maintained or replaced, increasing the risk of thermal runaway.

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Dust and Contamination

Dust accumulation on equipment and ventilation systems can ignite under heat, especially when mixed with grease or flammable particles, exacerbated by inadequate cleaning or lack of filter maintenance.

Fire Protection for Motorhomes: An Indispensable Safety Aspect for Travel

Over 900,000 motorhomes travel the roads. Despite their popularity, they carry the risk of fires, which can arise from various causes.

Traditional fire protection measures, such as fire extinguishers, require manual intervention, putting users at risk and causing delays in fire suppression. The Fire Destroyer enhances existing fire protection as an innovative, automated system: it is installed directly at potential fire sources, activates automatically at the onset of a fire, and prevents major damage—a novel approach, as it eliminates the need to manually extinguish fires or enter hazardous areas.

Moreover, the Fire Destroyer is continuously active, providing round-the-clock protection and extinguishing fires even when no one is present, elevating safety to a new level.

Statistically, around 55,000 vehicles catch fire in Germany each year, with electricity and human error being the primary causes—a risk that also affects motorhomes. Effective fire protection, such as through innovative solutions like the Fire Destroyer, is therefore essential to ensure the safety of travelers and prevent potential catastrophes.

Electricity

This is the most common cause of fires in Germany overall, which also applies to motorhomes. Defective cables, overloaded power outlets, or technical faults in electrical devices are frequent causes.

Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Solar Energy

Faulty or improperly installed solar cells, cable connections, or batteries can cause short circuits, leading to fires.

Product Recommendations: Aerosol Gas Sticker ***Compact & accessible everywhere!***

Mechanical Damage

Particularly in accidents, damage to the vehicle structure or batteries can result in fires.

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

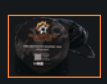
Heating Devices

Careless or improper use of heating devices can lead to fires. Especially auxiliary heaters can cause fires due to contamination, technical defects, improper installation, or lack of maintenance.

Product Recommendations: Aerosol Disc ***Countless application possibilities!***

Gas Leaks

Gas cylinders in motorhomes pose a fire risk, as leaking hoses, poor maintenance, system backflow, or improper handling can release flammable gases, which may ignite and cause fires or explosions in the presence of an ignition source.

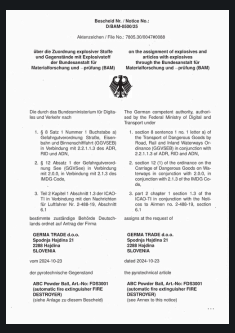
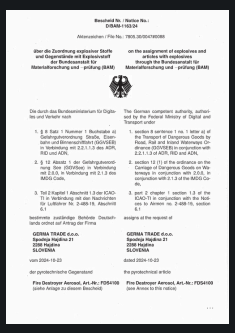


Product Recommendations: Aerosol Disc ***Countless application possibilities!***

الهيئة السعودية للمواصفات والمقاييس والجودة
Saudi Standards, Metrology and Quality Org.

BAM *Certified Products!*

Our fire protection products are fully BAM-certified. The Federal Institute for Materials Research and Testing (BAM) is Germany's leading authority for the testing and certification of materials and products, particularly in the field of safety and hazardous substances. A BAM certification confirms the highest quality and safety standards and is highly trusted in Germany and internationally. All our products, including their storage and transportation, are BAM-certified to ensure maximum safety and reliability.

EU Type Examination:


CE-Certificate:




No Damage to Electronics with Aerosol Gas

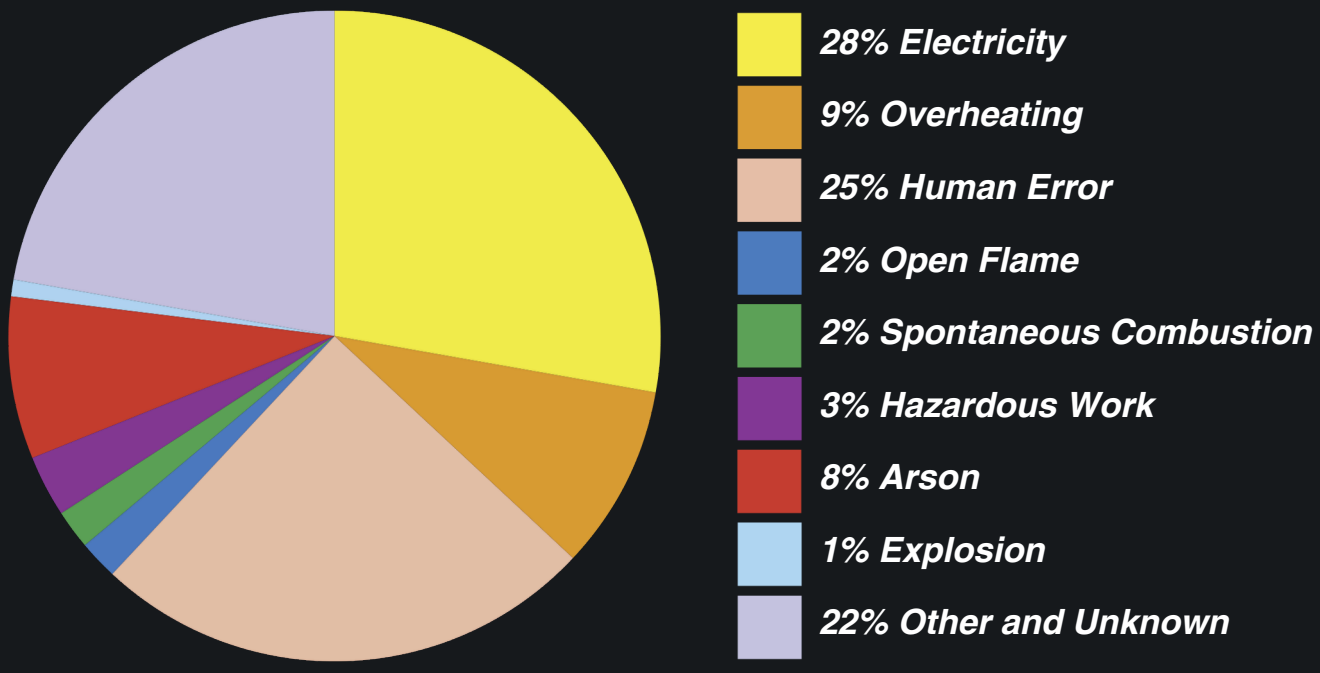
The aerosol technology of the Fire Destroyer offers clear advantages over conventional ABC powder: it effectively extinguishes fires by interrupting combustion chains and cooling flames—without toxic substances or residues. Particularly for technical and electrical components, aerosol is ideal as it does not damage them, causes no corrosion, and preserves device functionality. Additionally, it is environmentally and human-friendly, compact, and lightweight—for maximum safety without compromises!

Chemical Composition:

Nitric acid, potassium salt; strontium nitrate; guanidine, cyano-; 3-(5-ethyl-2-hydroxyphenyl)pyrazole; potassium bicarbonate; polyvinyl alcohol; 1-(1-ethyl-1H-1,2,4-triazol-5-yl)ethanamine

Fire Cause Statistics for 2022:

The statistics, based on the damage database, have been maintained since 2002.



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ZERO FIRE

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KINGDOM OF SAUDI ARABIA

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