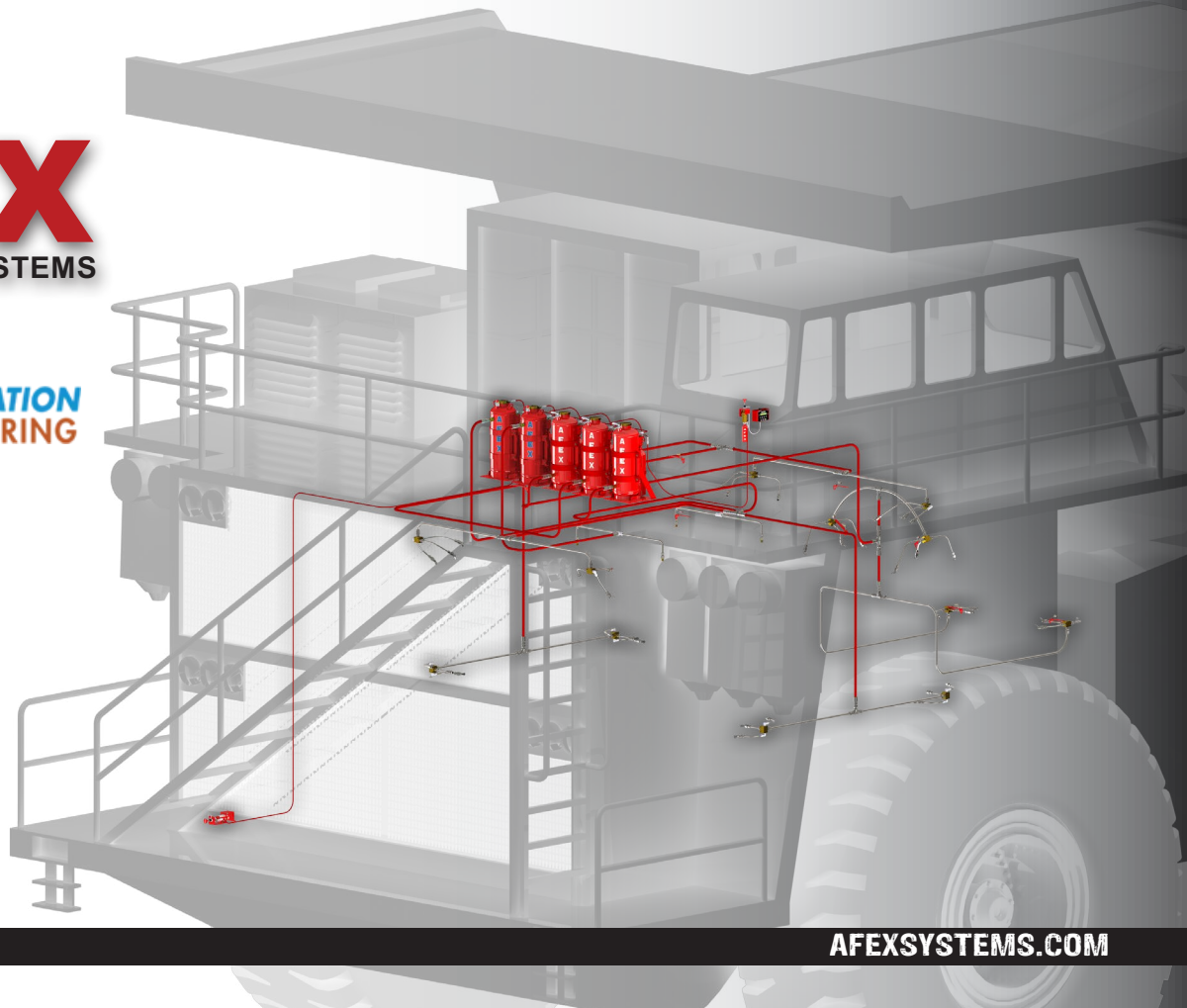


AFEX

FIRE SUPPRESSION SYSTEMS

MFP
AUTOMATION
ENGINEERING



AFEXSYSTEMS.COM

ABOUT US

We are heavy equipment people specializing in fire protection.



AFEX is uniquely positioned to meet your fire protection needs.

*We have dedicated **50 years** to the discovery, innovation, manufacture, and testing of vehicle fire protection systems designed **exclusively** for mobile heavy equipment. Our engineering personnel have heavy equipment backgrounds and we have **chosen** to be specialists in protecting heavy equipment. **It's all we do.***

Our company is dedicated to helping you protect your investment from fire loss. We recognize that any downtime of your machines results in lost productivity and earnings. That's why

we design low maintenance, reliable systems that protect personnel and productivity, but do not deter machine operation. Our systems can be **easily serviced and recharged in the field**, decreasing downtime while protecting your valuable capital investment. They also have the **lowest cost of ownership** of any vehicle fire suppression system.

For these reasons and more, AFEX is the #1 manufacturer of off-road fire suppression systems in the Americas.

No matter how hostile your equipment environment, AFEX customizes, installs, and guarantees purpose built fire suppression systems that work for your

needs. Our distribution, service, and support network is international in scope, but personalized and responsive to your specific requirements.

***Bottom line — AFEX is a company of heavy equipment people specializing in fire protection, that designs and builds reliable systems that protect your heavy equipment from loss and downtime.** The systems are customized to meet your specific equipment and environmental requirements.*

WE KNOW HEAVY EQUIPMENT



OUR CAPABILITIES

Fire protection isn't a product, it's a process.

Your AFEX team takes a program approach to ensuring that you have the protection you need to protect your equipment, its productivity, and the safety of your personnel. We provide honest mitigation solutions that keep your equipment productive, safe, and profitable.

**RISK ASSESSMENT
DESIGN
TRAINING
INSTALLATION**

**AUDITING
CORPORATE PROGRAMS
OEM ACCOUNTS
ON SITE TECHNICAL SUPPORT**

THERE'S ONLY ONE AFEX

We'll work hand in hand with you to develop a solution that's right for you.



OUR PORTFOLIO

Over 70% of our business is mining.

*AFEX knows the mining industry and the demands of your operation. Our fire suppression systems are **purpose built** to withstand the everyday abuse your machines may experience - above ground or below. No other fire suppression system manufacturer beats AFEX reliability or support.*

That's why AFEX is #1 in the Americas.



WE KNOW MINING

Whether the market is up or down, **safety never takes a break**. That's why major mining companies like Barrick, Newmont, Rio Tinto, and Vale choose AFEX to maximize their safety and productivity with **proven solutions**.



WE ARE THE EXPERTS IN MOBILE HEAVY EQUIPMENT

When it comes to maximizing safety and productivity, there's no one size fits all in fire suppression.

AFEX is the expert in fire protection solutions for mobile heavy equipment. As part of the AFEX program approach, we analyze the unique fire risks of every machine, the safety concerns of your operators, and the potential financial impact of a fire to provide a complete **fire risk assessment**.

IGNITION SOURCES

- TURBOCHARGERS
- EXHAUST/AFTERTREATMENT
- HYDRAULIC COMPONENTS
- ELECTRICAL CABLES

FUEL SOURCES

- DIESEL FUEL
- HYDRAULIC FLUID
- DEBRIS
- HAZARDOUS MATERIALS

PERSONNEL SAFETY

- OPERATOR LOCATION
- FIRE EXPOSURE RISK
- PATHS OF EGRESS
- ENVIRONMENTAL HAZARDS

ECONOMIC RISK

- VEHICLE COST
- LOST PRODUCTION DUE TO EQUIPMENT DOWNTIME
- NATURAL RESOURCE

After the risk analysis is completed, AFEX creates a **fire protection program** that's right for you.

1. RISK REDUCTION

VEHICLE DESIGN CHANGES OR GENERAL MAINTENANCE TO REDUCE THE LIKELIHOOD OF A FIRE

2. OPERATOR TRAINING

POLICIES, PROCEDURES, AND BEST PRACTICES TO INCREASE SAFETY AND IMPROVE FIRE RESPONSE

3. AFEX FIRE SUPPRESSION SYSTEMS

THIRD-PARTY CERTIFIED DRY CHEMICAL, LIQUID-ONLY, AND DUAL AGENT SYSTEMS, CUSTOMIZED TO FIT YOUR MACHINE

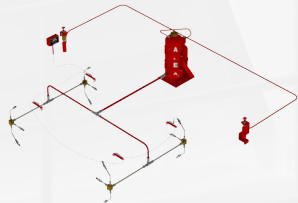
4. SUPPLEMENTAL PROTECTION

UL LISTED AND MSHA 30 CFR § 75.1909 COMPLIANT AFEX SIDE CARTRIDGE OPERATED A:B:C DRY CHEMICAL EXTINGUISHERS

We provide custom solutions to fit your unique needs.

OUR SYSTEM OPTIONS

DRY CHEMICAL



Pound for pound, provides the **fastest fire knockdown** and **greatest total coverage**. Delivers **three-dimensional protection** against common threats including Class A (debris), Class B (fuel), and Class C (electrical) fires, making it the most versatile agent for heavy equipment.

- SMALL FOOTPRINT
- TOTAL-FLOODING
- A:B:C PROTECTION
- EXCELS AGAINST 3D FIRES

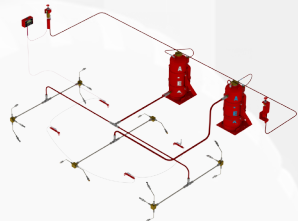
LIQUID-ONLY



Targets hot surfaces and separates hydrocarbon molecules to suppress Class A (debris) and Class B (fuel) fires. Provides **exceptional cooling** and **protection against fire reignition**. Also **penetrates debris** and **suppresses pooled fuel fires**.

- EXCEPTIONAL COOLING
- TARGETS HOT SURFACES
- FIGHTS REIGNITION
- POOLED FUEL PROTECTION

DUAL AGENT



Maximizes your protection by applying both dry and liquid agent to specific hazard areas. Dry chemical provides fast knockdown and coverage, liquid agent targets hot surfaces for suppression and cooling.

- TOTAL-FLOODING AND SURFACE PROTECTION
- SMALLER AND COSTS LESS THAN LIQUID-ONLY
- SO EFFECTIVE THAT NFPA 122 REQUIRES DUAL AGENT FOR HYDRAULIC SHOVELS



OUR TECHNOLOGY

The AFEX Control Unit is the most advanced fire suppression system monitor panel on the market.

Durable, powerful, and easy to use. With just one unit, that uses just one harness, you can upgrade your AFEX fire suppression system to the next level of performance.

FEATURING:

- **PROGRAMMABLE LCD DISPLAY**
- **MULTIPLE LANGUAGES**
- **INTERNAL EVENT LOG**
- **ONE YEAR STANDALONE POWER**
- **DUAL DETECTION CAPABILITY**
- **DUAL ACTUATION CIRCUITS**
- **ISO 13766 COMPLIANT**

*AFEX was the **first** fire suppression system to offer vehicle connectivity including:*

- **TELEMATICS INTEGRATION**
- **REMOTE SYSTEM MONITORING**
- **REMOTE CONTROL OPERATION**
- **VEHICLE SHUTDOWN INTEGRATION**
- **AUTONOMOUS VEHICLES**





AUTONOMOUS VEHICLES

The transition to unmanned vehicles brings about new requirements for your fire suppression systems. Driverless vehicles eliminate the opportunity for an in-cab operator to identify a fire and manually actuate a fire suppression system.

*Fortunately, **AFEX fire suppression systems offer advanced remote system monitoring and automatic fire response.***



FLEET MANAGEMENT

*When do you want to know you have a fire on a haul truck? **Now!** And now you can.*

*AFEX was the first to anticipate and address this need. We developed our fire suppression systems to interface with your equipment to provide **real time status of your AFEX fire suppression systems via your on board dispatch system.***



REMOTE OPERATIONS

*Whether you are operating a remote control blasthole drill or underground scoop tram, an AFEX fire suppression system puts you in control, **remotely.***

*If a fire is detected, the AFEX system will alert your operators and first responders. The operator can even **manually actuate and discharge the AFEX fire suppression system from their remote location.***



WE ARE GLOBALLY CERTIFIED

*Product certifications are more than just logos on our products. These international third-party approvals and certifications are **critical** to ensuring that a vehicle fire suppression system is properly designed to protect off-road equipment and endure the rigors of day to day operation in the field.*

AFEX fire suppression systems are rigorously tested to meet extreme conditions and pass specific fire tests designed to simulate real work risks of off-road equipment.

***Not all "approvals" are the same.** Your fire suppression system should meet standards that apply to off-road equipment, such as UL 1254, AS 5062, and FM 5970. Insurance companies will require your systems to have met these standards' testing criteria and that they bear the related FM or ActivFire symbols in order to provide coverage for fire related incidents.*

AFEX is committed to an ongoing testing program to attain and maintain the latest industry standards for vehicle fire protection.



MADE IN THE USA, FOUND ON ALL 7 CONTINENTS

Our international network of distributors provide products and services globally from the mines of Nevada, to the forests of Russia, to the steel mills of Germany, and for the exploration of Antarctica.

AFEX
FIRE SUPPRESSION SYSTEMS

HEAVY EQUIPMENT PEOPLE SPECIALIZING IN FIRE PROTECTION



 SCAN ME

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MFP
AUTOMATION
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