



COMPANY PROFILE

TRELUM INDUSTRIES CORP



www.trelum.net



With 20 years of experience and headquartered in Austin, Texas, TRELUM INDUSTRIES CORP is a leader in manufacturing advanced safety and fire protection solutions.

ABOUT OUR COMPANY

We are a leading manufacturer of advanced fire suppression systems.

We specialize in producing high-quality gases, fire safety equipment, and electronic systems tailored to meet the evolving demands of industrial, commercial, and residential sectors. Our unwavering commitment to innovation, safety, and sustainability positions us as a trusted partner in creating safer environments worldwide.

OUR HISTORY

TRELUM INDUSTRIES CORP began its journey with commitment to revolutionizing fire safety and manufacturing technologies. Starting as [a small company], we quickly expanded into multiple verticals, including electronic solutions and fire - resistant materials. Key milestones include:

- 1** The launch of our first clean agent fire suppression system, setting the foundation for industry leadership.
- 2** Expansion into global markets, including operations in Saudi Arabia, Egypt, and the USA
- 3** Offering internationally recognized certifications such as TUV, ISO, BS, and NFPA for our products.
- 4** Adoption of sustainable manufacturing practices to align with global environmental standards.



ONLY BRINGING IDEAS AND INNOVATION TO LIFE

OUR MISSION

At TRELUM INDUSTRIES CORP, we are dedicated to creating safer environments through innovative and sustainable fire safety solutions.

Serving industrial and commercial sectors, we ensure compliance with global safety standards. Our mission is to provide eco-friendly, high-quality products that deliver peace of mind to our clients while driving advancements in fire safety technology through ongoing research and development.



At TRELUM INDUSTRIES CORP, our vision is to be a global leader in sustainable and innovative industrial solutions.

OUR VISION

We strive to set new benchmarks in quality, efficiency, and environmental responsibility, ensuring that our product and services contribute to a better, more resilient future. Through cutting-edge technology, continuous improvement, and commitment to excellence, we aim to empower industries, enhance communities, and drive progress on a global scale.

KEY MARKETS AND VERTICALS

We serve a diverse range of markets and verticals, including:



1

INDUSTRIAL FACILITIES

High-risk environments requiring robust fire suppression and safety solutions.



2

COMMERCIAL PROPERTIES

Office complexes, shopping malls, and retail spaces with custom safety installations.



3

RESIDENTIAL DEVELOPMENTS

High-rise buildings and gated communities designed for optimal safety.



4

HEALTHCARE AND CRITICAL INFRASTRUCTURE

Hospitals and data centers where fire safety is paramount.



5

GOVERNMENT AND DEFENSE

We provide specialized safety systems for the public sector and defense applications.



6

OIL AND GAS SECTOR

Advanced fire protection systems for hazardous environments.



4

EDUCATIONAL INSTITUTIONS

Schools, colleges, and universities requiring advanced safety solutions.



5

INFRASTRUCTURE

Transportation hubs, airports, seaports, and logistics centers.

At TRELUM, we leverage state-of-the-art manufacturing processes and cutting-edge solutions to create products that redefine industry standards.

RESEARCH AND DEVELOPMENT (R&D)

Our R&D team is dedicated to advancing safety technology through:



Designing next-generation fire suppression systems.



Improving product reliability and efficiency.



Investing in eco-friendly and sustainable materials.

INDUSTRY APPLICATIONS

TRELUM products and services cater to a variety of industries, including:



Industrial manufacturing plants.



Commercial buildings and office spaces.



Residential complexes and high-rise structures.



Critical infrastructure such as hospitals and data centers.



Quality maintenance, servicing and after-sale care to extend product life

WHY CHOOSE TRELUM?

With our global existence, we have strategically positioned ourselves to serve diverse markets.

Innovative Technology

At TRELUM, we leverage state-of-the-art manufacturing processes and cutting-edge solutions to create products that redefine industry standards. Our commitment to innovation ensures that we deliver reliable and efficient safety systems tailored to the evolving needs of our clients.

Certified Excellence

We uphold the highest standards of quality and compliance, adhering to globally recognized certifications such as TUV, ISO, BS, and NFPA. These certifications reflect our dedication to safety, reliability, and excellence in every product and service we provide.



Global Reach

With a strong presence in key regions, including the USA, MENA, and beyond, TRELUM is strategically positioned to serve a diverse client base. Our expansive network enables us to deliver world-class safety solutions wherever they are needed most.

Sustainability Focus

We are committed to promoting environmental safety through eco-friendly products and sustainable manufacturing practices. By prioritizing green initiatives, we aim to minimize our ecological footprint while delivering effective safety solutions.

Customer-Centric Approach

Our clients are at the heart of everything we do. From comprehensive after-sales support to dedicated maintenance services, we ensure a seamless and satisfying experience. Our focus on customer satisfaction drives us to build long-term relationships based on trust and reliability.

OUR SERVICES

We provide a suite of services to ensure the effectiveness, safety, and longevity of our products:

DEDICATED NETWORK OF PROFESSIONALS IN THE MENA REGION



SYSTEM DESIGN AND ENGINEERING

Our team of experts collaborates with clients to design customized fire safety solutions that meet specific project requirements. Using advanced simulation and modeling tools, we deliver systems optimized for performance and compliance.



INSTALLATION AND INTEGRATION

We offer professional installation services, ensuring seamless integration of fire suppression systems, safety equipment, and electronic solutions. Our trained technicians follow strict protocols to meet industry standards and guarantee reliability.



MAINTENANCE AND SUPPORT

Regular maintenance is crucial for ensuring the optimal performance of safety systems. Our comprehensive maintenance services include inspections, testing, and servicing to prevent potential issues and extend product lifespan.



REFILLING AND RECHARGING SERVICES

For fire extinguishers and suppression systems, we provide reliable refilling and recharging services. This ensures readiness during emergencies while complying with safety regulations.



TRAINING AND EDUCATION

We empower clients with the knowledge to operate and maintain their fire safety systems effectively. Our training programs cover system usage, emergency protocols, and safety compliance.



CONSULTATION AND RISK ASSESSMENT

We offer expert consultation services, including risk assessment and site evaluations, to identify potential hazards and recommend tailored safety solutions. Our proactive approach minimizes risks and enhances overall safety.



AFTER-SALES SUPPORT

Our commitment to customer satisfaction extends beyond the sale. We provide dedicated after-sales support, addressing client queries, offering upgrades, and ensuring system optimization over time.

Since our establishment, TRELUM has experienced exceptional growth, quickly becoming a trusted name in fire safety and manufacturing.

OUR EXPERTISE

With a specialized focus on fire safety and electronic solutions, TRELUM's expertise lies in:



Developing advanced fire suppression technologies.



Customizing safety systems for industrial, commercial, and residential sectors.



Providing comprehensive after-sales support and technical training.

PARTNERSHIPS AND COLLABORATIONS

Strategic alliances are integral to our success. TRELUM collaborates with:

1

Trusted suppliers for high-quality raw materials.

2

Industry-leading organizations to develop innovative safety solutions.

3

Local and global distributors to ensure product availability worldwide.



CERTIFICATIONS

TRELUM INDUSTRIES CORP proudly holds the following certifications, underscoring our commitment to quality, safety, and reliability:



Each page of this document reflects our adherence to these certifications, ensuring that our clients receive products and services of the highest standard.

CORE VALUES

At TRELUM, our operations are driven by a set of unwavering principles that define who we are:



Design and Manufacturing

We adhere to the highest ethical standards in every decision and action.



Innovation

We embrace forward-thinking solutions to tackle the world's safety challenges.



Quality

Excellence is at the core of everything we design and produce.



Sustainability

We prioritize eco-friendly practices to protect the environment.



Customer Commitment

We place our clients' needs at the forefront of our mission.

OUR PRODUCTS

We deliver a wide range of industry-leading products and services, each designed to meet the specific needs of our clients across various industries:

FIRE SUPPRESSION

We provide cutting-edge fire suppression systems that cater to diverse applications. Our solutions include:



HFC-227EA SYSTEMS

A reliable clean agent fire suppression system designed for sensitive environments like data centers and archives.

HFC-227ea is a safe and effective fire extinguishing agent used for total flooding fire suppression systems. HFC-227ea is stored as a liquid and dispensed into the hazard as a colorless, electrically non-conductive vapor that is clear and does not obscure physical vision



FK-5-1-12 SYSTEMS

Eco-friendly systems with zero ozone depletion potential, suitable for occupied spaces.

FK 5-1-12 is a chemical agent designed and manufactured for Fire Suppression applications. It has zero Ozone Depletion Potential, making it a replacement for other chemical agents used in Fire suppression, such as HFC227ea. FK 5-1-12 can be used in operated areas and is not harmful to humans.



CO2 SYSTEMS

Effective for high-risk areas such as engine rooms and industrial facilities, utilizing localized and flooding applications.

A fixed installation designed to displace the oxygen in the protected space and thus extinguish the fire is usually used to fight fires in engine rooms, boiler rooms, pump rooms, and holds—the system usually consists of large CO2 cylinders.



FOAM SYSTEMS

Ideal for extinguishing fires involving flammable liquids, often used in aircraft hangars and fuel storage facilities.

Foam suppression systems extinguish fire by separating the fuel from the oxygen. In more technical terms, these systems “cool the fire and coat the fuel that the fire is consuming to prevent contact with oxygen and reduce combustion ability.



WATER MIST SYSTEMS

Advanced systems that use fine droplets to suppress fires, reducing water damage while providing high efficiency.

A water mist fire suppression system is an advanced special hazard solution that uses small water droplets to control, suppress, or extinguish fires.



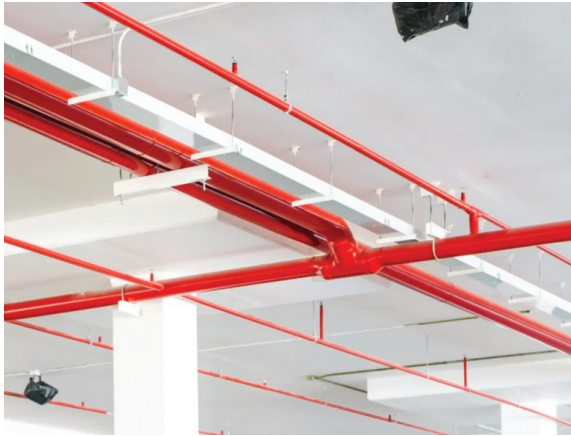
KITCHEN-HOOD SYSTEM

Advanced systems that use fine droplets to suppress fires, reducing water damage while providing high efficiency.

The kitchen hood system is a pre-engineered, wet chemical system. It uses stored pressure and a fixed nozzle agent distribution network.

WATER BASED SYSTEMS

Our Water Based System materials are engineered to mitigate the spread of fire and protect critical areas:



DRY PIPE SYSTEM

A dry pipe sprinkler system is one in which pipes are filled with pressurized air or nitrogen rather than water.

This air holds a remote valve, known as a dry pipe valve, in a closed position.

Located in a heated space, the dry-pipe valve prevents water from entering the pipe until a fire causes one or more sprinklers to operate. Once this happens, the air escapes and the dry pipe valve releases.



WET PIPE SYSTEM

Wet pipe systems are the most common fire sprinkler system. A wet pipe system is one in which water is constantly maintained within the sprinkler piping. When a sprinkler activates this water is immediately discharged onto the fire.



PRE-ACTION SYSTEM

Pre-action fire sprinklers are a dry sprinkler system, water is not contained in the pipes but is held back by a pre-action valve. Pre-action valves are electrically operated valve that is activated by heat, smoke or flame.



DELUGE SYSTEM

A deluge fire protection system has unpressurized dry piping and open sprinkler heads. The system is directly connected to a water supply and when the system is activated, a deluge valve will release the water to all the open sprinkler heads. The valve is opened when activated by a heat or smoke detection system.



STANDPIPE AND HOSE SYSTEM

Standpipe systems consist of piping and hose connections installed throughout a building to provide reliable water for the manual suppression of a fire by either the fire department or trained personnel.



FIRE PUMPS

Fire pumps are essential components of a building's fire protection system, especially in high-rise structures. In buildings with levels from 400-500 ft. and higher, fire pumps are critical in distributing water through sprinkler systems where water pressure from water mains and fire fighting equipment cannot reach.

FIRE PROTECTION PIPE

Our Fire Protection Pipe materials are engineered to mitigate the spread of fire and protect critical areas:



FIRE PROTECTION PIPE

The pipe is a core component of a fixed fire protection system. Pipes transport and distribute the extinguishing fluid (water, gas, foam solution, etc) from the source to the discharge devices installed in the protected area.

The type of piping that can be used is stated by the installation standards for fire protection systems.

Usually, aboveground pipes are metallic, carbon steel and copper. When allowed by the Installation Standards, listed non-metallic pipes can also be installed. Non-metallic pipes are CPVC and Polypropylene for aboveground installations and, PVC and High-Density Polyethylene for underground ones

Allowed carbon steel pipes manufacturing process, sizes and dimensions are stated by different Fire Protection Installations Standards.

Manufacturing pipes up to 9.0 m in length, Engineered Fire piping is the first workshop in the world that has a robotic cell able to process up to 9.0 m length automatic sprinklers systems pipe sections. The required orbital welding process is FM-approved too.



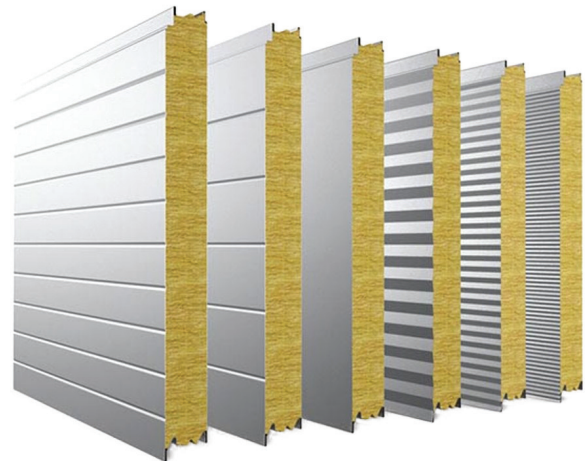
FIRE-RESISTANT MATERIALS

Our fire-resistant materials are engineered to mitigate the spread of fire and protect critical areas:



FIRE-RESISTANT DOORS

Durable doors designed to withstand extreme heat, ensuring containment and safety.



FIRE-RESISTANT PANELS

Panels offering enhanced protection for walls, ceilings, and other structural components in high-risk environments.

FIRE EXTINGUISHERS

We specialize in manufacturing and maintaining a range of fire extinguishers for various fire classes:



DRY POWDER EXTINGUISHER

Versatile extinguishers effective against Class A, B, and C fires.



FOAM EXTINGUISHERS

Designed for liquid fires, providing efficient fire control with minimal re-ignition risk.



CO2 EXTINGUISHERS

Suitable for electrical fires, offering a clean solution without residue.



WATER FIRE EXTINGUISHER

Suitable for use on fires involving solid combustibles, such as wood, paper, fabrics and other class A fire risks.



WET CHEMICAL EXTINGUISHERS

Wet Chemical Extinguishers tailored for kitchen and grease fires, ensuring safety in commercial cooking areas.

T SAFETY EQUIPMENT

We offer high-performance safety equipment to enhance fire protection measures:



CABINETS

Protective housing for extinguishers and safety equipment, designed for easy access and durability.

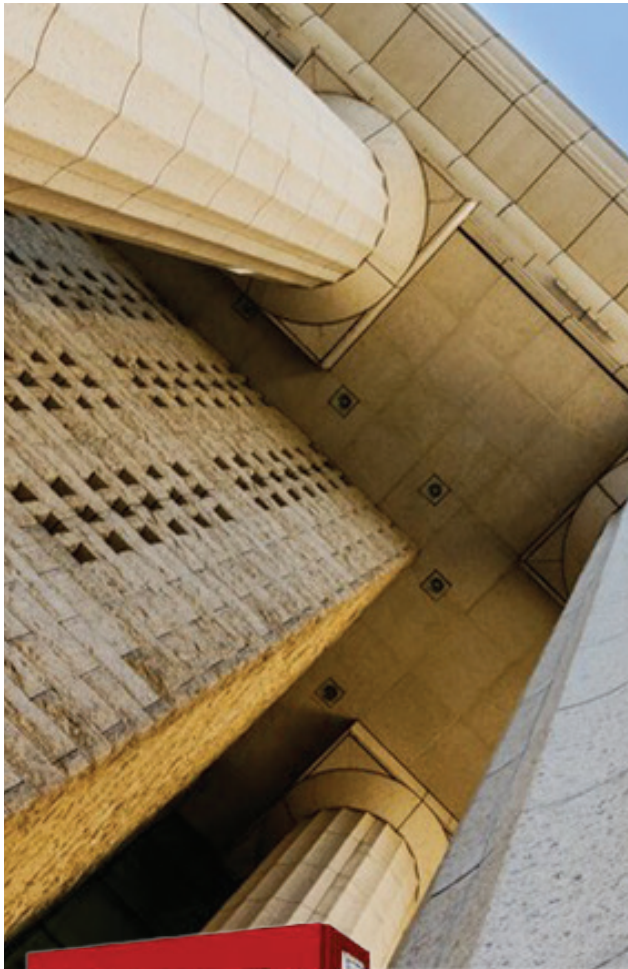


EXTINGUISHING DEVICES

Advanced tools for rapid fire suppression.

DETECTION DEVICES

Our detection devices are precision-engineered for industrial and commercial applications:



ALARM AND FIRE RELEASING SYSTEMS

Reliable electronic components designed for continuous safety and operational efficiency. They are easy to install and program with notification appliance circuit (NAC) synchronization and enable emergency personnel to quickly locate a fire. The built-in LiteSpeed™ protocol ensures the fastest possible device response times to help reduce property damage and save lives.






TRELUM INDUSTRIES CORP is more than a manufacturer; we are innovators and collaborators, dedicated to providing advanced safety solutions that protect lives and property.



BRANCH LOCATION

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