



Industrial Plant Fire Solutions

Explore M1 SCBA, F2XR and F1XF Helmet & Fire Protective Clothing, Connectivity Solutions



WE KNOW WHAT'S AT STAKE.

Industrial Plant Fire Solutions



A clear understanding of our customers' processes and the specific safety requirements tailored to their applications are critical to MSA's mission. We develop specialised solutions and ensure integrated system compatibility to enhance the safety and health of workers, providing the latest innovations in Respiratory Protection, Fall Protection, and Portable Gas Detection.

Our experience with many of the world's major players in Industry, Utilities, Telecoms, OGP, Chemical, Construction and Mining makes us a preferred partner in these sectors. The wide range of cutting-edge safety solutions available from MSA includes the Connected Safety Platform, comprising the M1 SCBA, Telemetry, FireGrid and LUNAR, and the GALLET F2XR helmet solution, which adapts to a variety of applications and needs - be it for professional or volunteer firefighters across the industry.

Respiratory Protection

The Self Contained Breathing Apparatus (SCBA) is one of the most important pieces of equipment that protects firefighters from inhaling toxic smoke, superheated gases, and oxygen-deficient atmospheres. Without proper respiratory protection, even brief exposure can lead to severe injury or death from smoke inhalation or chemical exposure.

Head Protection

High-performance head protection is critical in industrial fire situations where falling debris, extreme heat, and electrical hazards pose serious risks. A durable helmet with integrated face shields and thermal insulation helps prevent traumatic head injuries and burns.

Protective Clothing

Correct protective clothing acts as the first barrier against intense heat, flames, and hazardous materials, reducing the risk of severe burns and chemical exposure. It must meet rigorous thermal performance standards to ensure maximum safety and mobility under extreme conditions.

Connected Firefighting

Connectivity, remote monitoring, and incident management tools enhance situational awareness, enabling real-time tracking of personnel, equipment, and environmental conditions. These technologies improve safety, coordination, and decision-making during complex industrial fire responses.



Respiratory Protection

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M1 SCBA YOUR SCBA PLATFORM FOR THE FUTURE

The M1 SCBA is fully customisable and can be configured to meet a broad range of firefighter and safety professional needs.

Buy per your budget needs and upgrade at any time, directly on-site. The M1 breathing apparatus represents the most advanced, ergonomic, and modular SCBA system available, designed and developed side-by-side with Fire and Safety professionals. In addition, this all-new breathing apparatus offers several innovative and customisable features that help enhance hygiene and improve comfort.

- Greater MODULARITY
- Enhanced HYGIENE
- Improved ERGONOMICS
- Highest SAFETY STANDARDS
- Reduced COST-OF-OWNERSHIP OWNERSHIP
- State-of-the-art COMMUNICATION

Head Protection

High-performance head protection is critical in industrial fire situations where falling debris, extreme heat, and electrical hazards pose serious risks.



GALLET F2XR

The GALLET F2XR is tested and certified according to the highest applicable standards for wildland firefighting, technical rescue, urban search and rescue, climbing and water rescue.

This innovative helmet demonstrates that it is possible to engineer integrated, adaptable, and versatile equipment suitable to respond to various applications and needs – be it for professional or volunteer firefighters.

GALLET F2XR Highlights:

- Versatile
- Protected
- Modular
- Comfortable
- Integrate

HUB FIRE SERVICE

Keep an eye on all your crew members, even in major incidents: MSA local monitoring system enables full telemetric monitoring of pressure, motion and other data. In addition, the MSA HUB connects the new M1 Control Module or existing alphaSCOUTs to the A2 software.

GALLET FIXF

Developed with firefighters from around the globe, the GALLET FIXF sets the new standard for structural firefighting helmets.

It offers a total upgrade of protection, functionalities integration, comfort, and modularity. In addition, the configurable design makes the GALLET FIXF fire helmet the perfect fit for various interventions, such as structural and outdoor fires, technical rescue operations and road traffic accidents.

GALLET FIXF Highlights:

- Ergonomic, well balanced design, providing unmatched comfort in all operating conditions
- 2 helmet sizes ensuring an optimal fit for both small and large head sizes
- Effective, intuitive and robust adjustment mechanisms, ensuring optimal fit for all user profiles
- Unique adjustable ocular visor – fitting over prescription glasses while providing gap- free enclosure
- Comfortable, high performance face protection with excellent coverage, clear or gold coating. Approved for Arc Flash protection as per GS-ET-29 (Class I) Standard.
- Extended thermal and mechanical protection even in extremely hot conditions
- Fully integrated lighting module with unique distribution of light and weight, supporting work and safe navigation in the dark
- Storm-style retroreflective sticker for GALLET FIXF available in 5 colors (yellow, grey, blue, green, red)
- Be visible day and night thanks to shell color options that combine High Visibility Yellow or Orange with Photoluminescence



Firefighting Protective Clothing

The high-performance fire protective clothing manufacturer formerly known as Bristol Uniforms is now part of the MSA family. The combined expertise of MSA Bristol enhances and strengthens its offering to fire and rescue customers and now provides complete protection to firefighters across the world.

MSA BRISTOL X4

The MSA Bristol X4 range of fire-protective clothing is a premium structural firefighting garment range specifically designed to meet the needs of firefighters. It offers enhanced comfort and compatibility with MSA's advanced safety solutions.

The X4 was developed with end-users to ensure its fit for purpose. It is designed to ergonomically fit the wearer, reduce bulk throughout the garment, and minimise the weight carried by the firefighter.

Garments are manufactured with the latest high-quality fabric combinations from leading fibre and fabric manufacturers, including WL Gore, PBI Performance Products and Hainsworth. They meet the requirements of CEN standard EN469 Level 2 and are available in a wide range of fabric combinations and different colour variants to suit specific market needs and budget requirements.

The X4 range is available in both male and female pattern and can incorporate unique, optional safety features such as the Integrated Rescue Belt and Drag Rescue Device (DRD) system.



Premium material combinations to maximize thermal protection and breathability while reducing weight



Ergonomic design to reduce weight and bulk to allow freedom of movement



Variety of extra features to maximise comfort



Compatible and comfortable to wear with other MSA tools and equipment



Available in both male and female style to ensure correct fit regardless of the gender



X4 COAT

Comfort and ergonomics:

- Pleat in the shoulder
- Ergonomic 3D articulated elbow with enhanced elbow pad
- Shoulder pad for comfort while wearing an SCBA
- Wrist Adjusters
- Radio pocket with Adjustable cradles and radio hook

Premium safety features:

- Integrated DRD System accessible at the upper back (Garment can be provided also without this option)
- Integrated Rescue Belt (Belt, lanyards and carabiner needs to be ordered separately. Garment can be provided also without this feature.)
- Added safety when working at heights. Lanyard and carabiner to tie-off to prevent falls. Access can be hidden beneath the closure
- flap. Click closure system can be operated when wearing gloves



X4 TROUSERS

Comfort and ergonomics:

- High back trouser with padding for enhanced comfort while wearing an SCBA
- Detachable Suspenders and Hook & Loop waist adjusters
- Side pocket with thru-pocket to the station wear
- Tapered tool pocket
- Enhanced knee Pad
- Leg opening with gusset
- Enhanced, slimmer fit through the thigh

Premium safety features:

Integrated DRD System

Integrated into the trouser at the knee (Garment can be provided also without this option)



Connected Firefighting

Emergencies happen. The ability to connect to your team can be an important difference on a rescue mission, whether you're on- or off-air. As part of the Connected Firefighter platform, each LUNAR device is equipped with the ad-hoc LUNAR-to-LUNAR network, which independently connects between devices. This helps to provide confidence that you are informed and your team is connected when the unexpected happens.

LUNAR: Part of the Connected Firefighter Platform

LUNAR is a handheld, wireless device to help keep a crew connected, even in unpredictable situations, when it matters most.

LUNAR can be used by every firefighter on-scene, on- or off-air, and is equipped with Firefighting Assisting Search Technology (FAST), edge detection enhanced thermal imaging and connectivity to provide an "all in one" safety solution. In conjunction with FireGrid, LUNAR enables real-time stats from the moment the crew leaves the truck - on-scene or remotely from anywhere in the world.





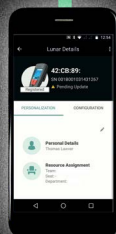
FIREGRID

FireGrid is a suite of applications supplying monitoring, maintenance, reporting and inventory management.

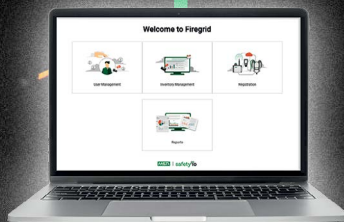
With the FireGrid Monitor, Incident Command has the information and control they need to instantly ensure the entire team's safety from the palm of their hand. In addition, remote monitoring provides a read-only view of what is happening at the scene from anywhere in the world. The FireGrid web-based platform can be used for efficient post-scene processing and report generation, providing insight into fire ground operations and incidents.

Equip your Maintenance Managers and Training Officers with the information and historical data they need for preventative maintenance and personnel injury prevention. Experience the data value growing over time – days, months and years of insights driving informed decisions.

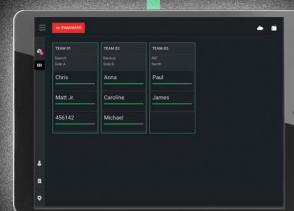
Easily personalise, configure, and update multiple devices with FireGrid Configure. Create shareable personalisation profiles and configuration settings for your team. Enjoy simplified over-the-air updates and quickly retrieve data logs via the web-based platform.



FireGrid Monitor



FireGrid Web-Based Platform



FireGrid Configure



ALTAIR io™ 4 Connected Gas Detector

The ALTAIR io 4 is a connected gas detector designed for teams working in high-risk industrial environments.

It provides real-time data, automatic user assignment, and full traceability through the MSA Grid. From deployment to post-incident review, it gives you complete oversight with minimal effort.

Equipped with industry-leading XCell sensors, the ALTAIR io 4 delivers reliable performance under pressure, whether used during confined space entries, chemical leak response, or safety sweeps in hazardous zones.

Key Advantages for Industrial Fire Teams:

- **Real-time visibility across your team**
Monitor gas exposure, alarm events, and responder location instantly through the MSA Grid.
- **Automatic user tracking and device logs**
Eliminate paper-based tracking. Devices are automatically assigned to users, with full exposure history recorded.
- **Effortless compliance**
Digital logs and automated maintenance alerts help you stay audit-ready without extra admin work.
- **Engineered for emergency conditions**
The ALTAIR io 4 is water and dust resistant (IP68), drop-tested, and designed for easy post-incident cleaning.
- **Central fleet management**
Check device readiness, sensor status, and user history through a single platform.

Our Mission

MSA's mission is to see to it that men and women may work in safety and that they, their families, and their communities may live in health throughout the world.

MSA: WE KNOW WHAT'S AT STAKE.

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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