



## Protect

*Protection on the  
fireground*

- Heat
- Flame
- Flashover
- Gas and vapours
- Shocks
- Loss of visibility

## Detect

*Detection to support  
rescue teams*

- Toxic gases
- Oxygen
- Isolation
- Combustible gases
- Smoke-filled  
environments

## Rescue

*Evacuation of  
endangered people*

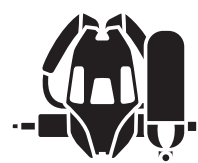
- Toxic gases and  
vapours
- Particles
- Fumes
- Oxygen deficiency



## MSA – The Safety Company

*With operations on 5 continents, over 40 international locations and hundreds of distribution partners around the globe, MSA offers a unique range of safety products for a large number of industries.*

### Supplied Air Respirators



### Air-Purifying Respirators



### Head, Eye, Face, Hearing



### Fall Protection



### Body Protection



### Portable Gas Detection



### Fixed Gas & Flame Detection



### Thermal Imaging



### Trust & Durability

For more than 100 years our passionate mission of safety empowers us, "The SafetyCompany", to protect lives.

We are committed to providing the latest in innovative, best-in-class safety solutions that feature integrated systems capability and allow our customers to return safely to their families and friends.

Every day our customers place their lives in our hands. In response, we provide them with protection they can trust, and their stories become our stories. Hand in hand we partner with our customers to earn that trust.

**At MSA, every life has a purpose.**

### Your direct contact



**Great Britain**  
Lochard House, Linnest Way  
Strathclyde Business Park  
Belfast ML4 3PA  
Phone +44 16 98573357  
Fax +44 16 98740141  
info.gb@MSASafety.com

*For contact details of your local MSA affiliate, please visit our website.*

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[MSAsafety.com](http://MSAsafety.com)

## MSA Safety Solutions

for Firefighters



## MSA – The Safety Company

*It was a horrific workplace tragedy that led to the creation of MSA back in 1914. In the decades that have come and gone, we've never forgotten where we came from, or why we're here. At MSA, your safety is what drives us every single day. Our goal is to provide our customers with dependable, high-quality safety solutions to help ensure a safe return home at the end of each work day.*

*Around the world, firefighters rely on MSA for personal protection.*

Thanks to its three centres of excellence in Germany, France and Sweden, MSA serves the European Fire Service market and offers you the very best in protection:

### MSA in Berlin, Personal Protective Equipment

- Self-Contained Breathing Apparatus
- Personal Network System with telemetric monitoring
- Full Face Masks & Escape Hoods
- Gas Detection

### MSA in Châtillon, Head Protection

- Gallet F1 Structural Firefighting Helmets
- F2 X-TREM Fire and Rescue Helmets
- Communication Systems

### MSA in Värnamo, Hearing Protection

- Passive and Electronic Ear Muffs

The great breadth of technologies, products and services we offer is unique to the market.

**Providing the best products, service and support in the fire service. That's MSA's passion.**

*Because every life has a purpose...*





#### Head Protection



**Gallet F1 XF System**  
Advanced protection helmet for firefighters  
*Fire, heat, falling objects, fumes, chemical and molten metal splashes, noise*

- Structural firefighting in buildings, tunnels and other structures
- Rescue operations



**F2 X-TREM System**  
Multipurpose helmet for firefighters  
*Falling objects, fire, flame, fumes*

- Forest fires, rescue missions, rescue in hazardous environments, traffic rescue

#### Communication Systems



**For Helmets & Full Face Masks**  
Gallet F1 XF headsets, ComKit, HandyCom PTT  
*Loss of coordination, loss of consciousness*

- Nozzle man, rescue equipment chief, truck driver/pump operator

#### Respiratory Protection



**Supplied Air Respirators**  
Breathing apparatus, airline systems  
*Oxygen deficiency, containment, flashovers*

- First response or rescue operations, work in extreme temperatures or confined spaces, training exercises



**Air-Purifying Respirators**  
Filtering face pieces, half masks and full face masks with particle, gas or combined filters  
*Fumes, gas and vapours, smoke, toxic materials, flashover, chemical splashes*

- Rescue, underground and/or tunnel interventions, training exercises



**Closed-Circuit Breathing Apparatus**  
AirElite 4h KO<sub>2</sub> closed-circuit breathing apparatus for long-duration missions and escape  
*Oxygen deficiency, toxic gases, particles*

- Tunnels, large-storage facilities, high-rise buildings

#### Body Protection



**Gas Tight & Chemical Protective Suits**  
*Chemicals, solid, liquid and gaseous or vaporous hazards*

- Natural disasters, decontamination work, plugging of toxic leaks

#### Fall Protection



**Fall Protection Harness & Rescue Belt**  
alphaFP & alphaBELT  
*Oxygen deficiency, containment, flashovers*

- Height and shaft rescues, respiratory protection and tunnel operations



#### Gas Detection



**Single-/Two-Gas Detectors**  
ALTAIR, ALTAIR PRO, ALTAIR 2X  
*O<sub>2</sub>, CO, H<sub>2</sub>S, SO<sub>2</sub>, NO<sub>2</sub>, NH<sub>3</sub>, Cl<sub>2</sub>, ClO<sub>2</sub>, HCN, PH<sub>3</sub>*

- Rescue/emergency operations, confined space, hazardous materials



**Multi-Gas Detectors**  
ALTAIR 4X, ALTAIR 5X  
*Combustible gas, O<sub>2</sub>, CO, H<sub>2</sub>S, SO<sub>2</sub>, NO<sub>2</sub>, NH<sub>3</sub>, Cl<sub>2</sub>, ClO<sub>2</sub>, NO, HCN, PH<sub>3</sub>, CO<sub>2</sub>, VOCs*

- Rescue/emergency operations, confined space, hazardous materials

#### Heat Detection



**Thermal Imaging Cameras**  
EVOLUTION 6000 Series  
*Hot points, outbreaks*

- Fire attack, incident control, hazardous materials, ventilation, search and rescue, wild land firefighting, fire watch

#### Lighting Solutions



**Helmet Mounted Lamps**  
XPS, XP-LED, XS and AS-R lamps  
*Lack or loss of visibility, low perception of potential hazards and risks*

- All types of operations requiring hands-free illumination, map reading

#### Motionless Detection



**Personal Alert Safety System**  
motionSCOUT  
*Blackout, uneasiness, help request*

- Fire and rescue operations, urban search and rescue, tunnel surveying

#### Monitoring Systems



**alpha Personal Network**  
alphaSCOUT, alphaHUD, alphaMITTER, alphaBASE, alphaCONTROL 2, xplora TABLET PC  
*Personal monitoring, pressure information, motion alarm, remaining service time, telemetry and evacuation notification*



#### Supplied Air Escape

(O<sub>2</sub> >21 vol % or <17 vol %)



**Self-contained Breathing Apparatus**  
Optional second medium pressure connector on SCBA for rescue applications  
*Oxygen deficiency*

- Provide endangered people with air from the cylinder



**Rescue Hood with Constant Airflow**  
Rescue hood for emergency escape  
*Oxygen deficiency*

- For rescuing people from hazardous areas



**Bag for Rapid Intervention Team**  
*Oxygen deficiency*

- To provide air to persons trapped in hazardous environments



**Compressed Air Escape Breathing Apparatus**  
Compressed air, constant flow, escape breathing apparatus, 15 minutes  
*Toxic gases or vapors, oxygen deficiency, particles*

- Aid escape from hazardous areas with toxic substances or oxygen deficiency

#### Air-Purifying Escape

(O<sub>2</sub> between 17 and 21 vol %)



**Smoke and Gases Escape Device**  
Escape hood, 15 minutes  
*Smoke and gases generated by fires (CO), particles*

- Protect persons endangered by smoke and gases generated by fires