

MATISEC



*Manufacturer of safety equipment for
hostile environments for 50 years*

MATISEC EQUIPMENT

Our mission :

To protect professionals working in the most extreme environments



4 product ranges...



Ventilated protection



Protective breathing



MPRO™ (Chemical and thermal protection range)



Special installations

...to protect the most high-risk professions



Nuclear



Fire and Rescue



Defense / CBRN



Food industry



Pharmaceuticals / Laboratory



Aerospace



Water and waste management



Asbestos



Chemicals / Petrochemicals



For the past 50 years, MATISEC has been the leading European provider of safety equipment for work conducted in hazardous environments.

MATISEC designs, manufactures and markets Personal Protective Equipment (PPE) to protect against fatal and irreversible risks. Its offer includes a wide range of solutions, not only guaranteeing safety, but also the efficiency and seamlessness of work conducted under extreme conditions.

By placing customer attentiveness at the core of its approach, MATISEC supports industrial operators in the nuclear, chemical and military sectors, as well as firefighters, by specially designing its equipment to meet the most challenging demands.

MATISEC has 210 employees distributed across three production sites in France, Tunisia and Portugal, in addition to four maintenance agencies operating in France. Of these, 80 are based at the company's head office in Vaulx-Milieu, Isère. Backed by this solid rooting, the company is expanding its international presence, supported by its sole shareholder, American Group OCENCO, the global leader of emergency evacuation equipment.



Chemical and thermal range

Type 1-ET chemical gas protection



ULM II



- The best chemical and mechanical resistance on the market.
- Normal-strength chemical gas intervention suit.
- Tested against industrial chemicals EN 943-2, infectious agents EN 14126, radioactive contamination EN 1073-2 and toxic warfare agents.
- Antistatic material EN 1149-5.
- Lightweight, comfortable and easy to maintain.
- 10-year lifespan.

DM II



- Extra-strong chemical gas response suit.
- Tested against industrial chemicals EN 943-2, infectious agents EN 14126, radioactive contamination EN 1073-2 and toxic warfare agents.
- Antistatic EN 1149-5 material, tested to be flame-retardant in accordance with EN 14116.
- Repairable and reusable.
- 15-year lifespan.

GR IV and GR IV SOL



- Extra-strong chemical gas response suit.
- Ergonomically-designed, built-in mask for better fit and comfort during long work operations.
- The SCBA for GR IV is worn outside the suit.
- Tested against industrial chemicals EN 943-2, infectious agents EN 14126 and toxic warfare agents.
- Antistatic EN 1149-5 material, tested to be flame-retardant in accordance with EN 14116.
- Repairable and reusable.
- 15-year lifespan.



Chemical protection against type 3, 4, 5 and 6 liquids

MR CHIM



- Type 3, 4 and 6 single-use ventilated coveralls.
- Ventilation built into the suit.
- Tested against industrial chemicals, EN 14126 infectious agents and toxic warfare agents.
- 5-year lifespan.

COMAT

- Multi-purpose suit for protection against liquid chemicals and particles to type 3, 4, 5 and 6.
- Waterproof neoprene face seal.
- Tested against industrial chemicals, infectious agents EN 14126, radioactive contamination EN 1073-2 and toxic warfare agents.
- For use in ATEX zones, compliant with EN 1149-5.
- Single use.



CSP

- Safety suit with type 6 chemical resistance and antistatic properties, compliant with EN 1149-5.
- Washable and reusable.



Helmet C

in the process of being approved

- Air-supplied breathing protection helmet with adjustable faceplate.
- EN 14594:2018.
- One size fits all.



ALKY

- Protective suit type 3 and 4 chemicals.
- Flame-retardant to EN 14116 and 99% hydrofluoric acid tested.
- Available as a suit or jacket/trousers.
- Washable and reusable.



A/B Shell

- Impact-resistant shell with neoprene fabric hood (liquid chemical resistance).
- Complies with EN 812: impact protection helmets for industry.



CBRN protection

Chemical Biological Radiological Nuclear



SG2P

- Suit in two parts, type 3 and 4.
- Transparent material with non-slip overboots.
- Protection against toxic warfare agents.
- Compact, lightweight packaging (less than 1kg) for fast dressing.
- Easy to use and one size fits all.
- Single use.



DECOMAT

- Type 3, 4 and 6 two-piece suit, developed for decontamination teams.
- Completely tight neoprene face seal.
- Tested against industrial chemicals and infectious agents EN 14126, radioactive contamination EN 1073-2 and toxic warfare agents.
- For use in ATEX zones, compliant with EN 1149-5.
- Single use.



TSA

- Unique cape-type product, developed to specific military specifications.
- Protection against toxic warfare agents.
- Compact, lightweight packaging (less than 1kg) for fast dressing.
- Easy to use and one size fits all.
- Single use.

SAUVEGARDE

- Type 3 and 4 suit for mass protection or emergency evacuation.
- Tested against industrial chemicals, EN 14126 infectious agents and toxic warfare agents.
- Compact, lightweight packaging (less than 1kg) for fast dressing.
- Easy to use and one size fits all.
- Single use.



Thermal protection



FIRE APPROACH SUIT

- Reflective clothing for special firefighting operations.
- Complies with EN 1486.
- Triple thermal insulation : flame, radiant and contact heat.
- Gold-plated protective lens.

VAARP

- Seal in accordance with EN 469 except paragraph 6.3.1 : evaporative resistance.
- Triple protection : fire (heat and steam), water and chemical protection.
- Tested against warfare agents, including yperite at 30 min.
- Breathable membrane.
- Washable and reusable.



Breathing apparatus range

Self-Contained Breathing Apparatus

GPAL-QS

- High-performance breathing quality.
- On-demand valve.
- High mechanical and thermal resistance.
- Lightweight for the user.



GPAL-INCURVE

- Easy to clean and quick to dismantle.
- On-demand valve.
- Heavy-duty, self-extinguishing frame.
- Resistant to extreme temperatures.
- Standalone operation for 40 to 98 minutes (in twin-cylinder version).



GPAL-LEGER

- Lightweight, ergonomic design for fast movement.
- Can be fitted with a second carrier pick-up option.
- Standalone operation 20 minutes.
- Compatible with 2 to 3L cylinders.



GLD 90

- Open circuit apparatus.
- Ideal for long-duration operations (over 90 min standalone operation).
- Firefighting.
- Suitable for hard-to-reach sites.



TRIPLAIR-NG

- Ultra-compact, open-circuit apparatus.
- 60-minute standalone operation.



Mask and hood

TOTAL III Mask

- Available in a filtering version.
- 180° view.
- Impact- and heat-resistant.



GEVAC

- Rapid evacuation apparatus.
- Lightweight (3.5kg without cylinder) and comfortable (single 3.2L cylinder).
- Pneumatic locking of the bag.
- Evacuation in 10 minutes.



SAUVIMAT

- Rescuing an individual from a hazardous environment.
- The hood is connected to the rescuer's SCBA.
- Continuous air flow inside.



MATIVENT CI

- Up to 5 uses.
- Light use.
- Protects in contaminated atmospheres.



Air supply

Air sources

- All-terrain trolley.
- Modular, lightweight and compact.
- 1 to 4 cylinders.
- 6L, 9L, 15L and 20L steel cylinders.
- 6L to 9L composite cylinders (aluminium and thermoplastic).



EPDM hoses

Covers the complete range of Breathing Air products, offering a range of hoses compliant with the EN 14593 standard for connection to your PPE.

Cylinders

- Composite or metal.
- From 2L to 9L (steel or aluminium).



CCF KIT

- Escape breathing protection equipment for forest fire vehicles (flame front passage).
- One breathing solution per worker in the cab.
- Equipped with one or more cylinders + a trigger system + a half-mask for each operator.



Control bench

MATITEST EVO

- Test bench for checking open-circuit, self-contained breathing apparatus.
- Enables automatic sequencing without operator intervention.
- Simplified interface: its integrated touch screen makes it easy to use.
- Can also be used to check the seal of type 1 filter masks and diving suits.



Ventilated range

Ventilated Suits and Hood

✓ EN 1073-1

MATIVENT

- Robust, reliable ventilated hood.
- Universal faceplate for maximum hood stability.
- Quick access to the airways.
- One size fits all.
- LFI (low flow indicator) to indicate an accidental drop in air flow.



MRV5

- Sealed ventilated suit. LFI.
- Protection factor
- Greater than 50,000 NPF.
- Two closure versions.
- Tear strips.

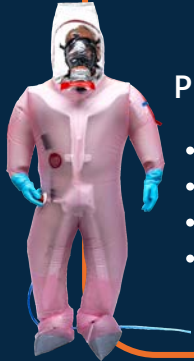
Suit variations :

- Pink PVC.
- Translucent PVC (white).
- PMI (white).
- LED (light assistance).
- LP (Low Pressure)



PK17

- Reinforced protection of the airways.
- Ventilated waterproof suit worn with a filter mask inside and a continuous air supply.
- Tear strips.
- Magnetic valve for noise reduction, comfort and pressure relief.



Air monitoring

UFS

- Secure Filtration Unit.
- Supplies 3 wearers with breathing air (2 suits + 1 hood).
- Protects users in the event of a power cut.
- 3-filter filtration system.



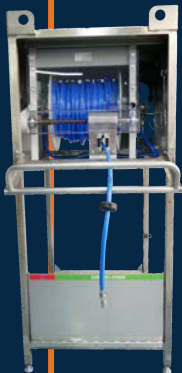
Air heater

- Ensures a comfortable breathing air temperature for wearers.
- Adjustable at any time.
- Compact template (<1m long and <25cm wide).



Motorised reel cabinet

- Works with UFS and MBPS models.
- Controlled by wired remote control.
- Emergency manual override.
- 2 access ramps.



UQUAR

- Continuously measures and monitors air quality.
- Audible and visual alarm.



SPMB

- Portable multi-cylinders source.
- High-pressure.
- emergency apparatus.
- Connection for 4 cylinders.



MP Hose (PVC)

✓ EN 14593

- For air-supplied equipment.



BFS

- Secure Filtration Unit.
- Supplies 2 carriers with breathable air (1 suit + 1 hood).
- Alarm in the event of a drop in pressure or a breach in the air network.



Special installations

Training courses

MATISEC designs, develops and markets customised SCBA training courses, both on-site and remotely.

Thanks to their modular design, the courses offer a range of options to vary the training.



HP air installation

MATISEC offers high-pressure air installation solutions.

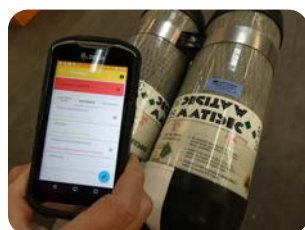


Traceability

Solution for tracking equipment using barcodes or RFID.



- Equipment monitoring
- Location management
- Managing regulatory deadlines
- Tracking usage, reconditioning



Support solutions



- Cradles : CEPARI, Compressors, Technological risks.
- Vehicle breathing air equipment: MATISEC designs and installs customised high-pressure (HP) and medium-pressure (MP) breathing air circuits for your specific vehicles, such as tunnel vehicles and propellant fuel carriers.
- Mobile breathing air SKID : a turnkey solution for distributing and managing breathing air in industrial or high-risk environments.



Services

Training

- Training in wearing and using our equipment : SCBA, suits, outfits, hoods, UFS, and more.
- Training in regulatory controls.
- Maintenance training at all levels.
- At our premises, on your site, via remote learning or face-to-face.



PED controls

- Specialist service for operations involving the monitoring of equipment under pressure (PED).
- Centres approved by the DREAL.
- Supervision by APAVE.

Cleaning and maintenance

- In-house after-sales service : inspection and repair of diving suits, breathing apparatus and accessories.
- External after-sales service : regulatory inspections and maintenance at our customers' sites in mainland France, the French overseas territories and abroad.
- Special installations after-sales service: compressor maintenance, CEPARI.
- Supply of spare parts.



Additional offers

In addition to our range of manufactured products, we offer a selection of associated products, carefully selected to cover all of your needs.

Breathing air compressor



Washing



Bullard thermal imager



Fire and rescue

Solutions to protect the airways

Industrial environments expose professionals to major risks: toxic gases, hazardous emissions and chemical leaks that may be in ATEX zones. These hazards affect a wide range of professions, including first responders (firefighters, civil protection teams, manufacturers) who have to operate quickly and efficiently in the event of a crisis.

Satisfied customers :



Defence

Optimum protection against CBRN threats

Chemical, Biological, Radiological, and Nuclear (CBRN) threats call for protective solutions at the cutting edge of innovation. MATISEC draws on extensive experience acquired working alongside the armed forces and first responders (the police, police force, fire brigade) to develop specific equipment. We offer clothing and breathing protection designed to work against warfare toxins and chemical warfare agents (VX, Sarin, Tabun, etc.).

Satisfied customers :



Nuclear power

Guaranteed safety in contaminated areas

In the nuclear sector, maintenance operators and technicians face the risk of particulate contamination. MATISEC supplies cutting-edge solutions deployed in the majority of French nuclear power plants, including those operated by EDF.

Satisfied customers :



*Manufacturer of safety
intervention equipment
for hostile environments*





MATISEC 

www.matisec.fr/en/