«They protect us, we protect them.»
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OUVRY SAS headquarters is located in Lyon, which is a major industrial and technological center, at the heart of our network of subcontractors, research laboratories and centers of excellence.

A few meters from the headquarters, our manufacturing facilities are based in the former Rhodiacêta spinning building.

OUVRY SAS
ZA Gorge de Loup
24 avenue Joannès Masset | 69009 Lyon, France
Tel: +33 4 86 11 32 02 | Mail: info@ouvry.com
www.ouvry.com

GEOGRAPHICAL LOCATION

OUR COMPETENCIES

Creator and manufacturer
► Design center and prototyping workshop
► System integration in complex programs (French soldier modernization program FELIN, Jet Pilots)

Research & Development
► Physiological factors
► Chemical and microbiological
► Technical textiles

Production: Supply chain management
From raw material to finished products
► Industrial manufacturing
► Low to medium volume production (> 20,000 pieces)
► Product development on demand
OUVRY, prime contractor for complex programs
► EDA (European Defense Agency) - EPIDARM
► ANR (National Agency for Research) - SELDEC
► DGA (Defense Procurement Agency) - PEA*
► H2020, FP7 - Encircle, NanoMOF

OUVRY scientific and technological ecosystem

R&D 15% turnover
4 new products / year
Green technology

SCIENTIFIC

Faculty of Pharmacy/Universities

Lyon 1

National Scientific Research Council
Atomic Energy Agency

LABORATORIES

Institute for Radiological Protection
French Institute of Textiles and Clothing

Notified body specialized in technical and environmental risk control
> 45 000 PPE manufactured
> 4 000 O’C50® masks produced
> > 5 000 DEC’POL® the first year

Textile supply chain

O’C50® Mask production line

CBRN simulant SIM KIT® production

DECPOL® production line

Containment bag and casualty bag production

O’C50® Mask production line
<table>
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<tr>
<th>Role</th>
<th>Description</th>
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</table>
| Armed Forces | - Liquid, vapor and aerosol risks  
- 24h protection time               |
| First-responders | - Liquid, vapor and aerosol risks 
- 12 h protection time              |
| Specialists  | - Undergarment  
- 24h vapor protection               |
CBRN PROTECTION

CBRN Combat Suits

- Registered design
- Air permeable, lightweight
- In service in the French Army
- Different camouflage printing available

CBRN air permeable Intervention overall
- In use at RAID(1) / GIGN(2) / BR(3) / RESCO teams / CTLO (4)

CBRN Permanent Wear
- 24 hours

TFI®

TARGET®

AIR PERMEABLE SOCKS

CBRN Protective Combat Suits

- Ref: 540090
- Ref: 540018AA

CBRN combat gloves
- New product, air permeable, extended wear time
- Great dexterity for handgun use
- In service in the French Army
- Ref: 510000AA
- Ref: 501002AA
- Ref: 500001AA

CBRN air permeable Intervention overall
- Tested by the DGA(5)
- Tested by the 8th RPIMa (6)
- >10,000 pieces delivered

CBRN air permeable Intervention overall
- Tested by the DGA(5)
- Tested by the 8th RPIMa (6)
- >10,000 pieces delivered

CBRN Permanent Wear
- 24 hours

Butyl overboots
- Robust and decontaminable
- Antistatic
- Fast closing system
- Thermal resistant
- Oil resistant
- Ambedextrous

Ref: 500001AA

1) Research, Assistance, Intervention, Deterrence / 2) The National Gendarmerie Intervention Group / 3) Research and Intervention Brigade / 4) Counter-Terrorism And Hostage Rescue Units / 5) French Defense Procurement Agency / 6) 8th Marine Infantry Paratrooper Regiment
CBRN PROTECTION

CBRN air permeable protective suit
- Air permeable, lightweight
- Long wear time
- Better crisis management

Compatible with different type of CBRN masks and hood:
- NH15
- FRH16

CBRN butyl gloves
- Excellent comfort and dexterity
- Pulse-check can be easily taken
- Thickness: 7mm

Ref: 511006AA

CBRN Intervention
- 12 hours

CBRN butyl gloves

O’BOOTS
- Butyl overboots
  - Robust and decontaminable
  - Fast closing system
  - Ambidextrous

Antistatic
- Thermal resistant
- Oil resistant

Ref: 500001AA

Single use accessories
- APRON
- SLEEVES
- OVERBOOTS

Ref: 532000AA
Ref: 532001AA
Ref: 532002AA

Safety Chest
- Ref: 730001

First Responders Concept
- Used for splash or pressurized splash projection
- Avoid cross contamination

Ref: 540540AA
Ref: 511006AA
Ref: 500001AA
Ref: 532000AA
Ref: 532001AA
Ref: 532002AA
Ref: 730001
**CBRN PROTECTION**

- **CPU**
  - CBRN air permeable undergarment
  - Tested by the DGA(1)
  - VIP / EOD(2) teams / Pilots / Fire-fighters
  - 24h vapor protection to be worn under regular equipments
  - Ref: 540210AA

- **FTC**
  - CBRN undergarment 24 hours

- **SECOND SKIN**
  - CBRN air permeable hood
  - Unique thermal physiology
  - Flame retardant
  - Helicopter / EOD(2) teams
  - Ref: 520000BA

  - CBRN air permeable undergloves
  - Flame retardant
  - Tested by the DGA(1)
  - Worn under gloves in use
  - Ref: 512000AA

  - CBRN air permeable socks
  - Tested by the Infantry Regiments
  - Tested by the DGA(1)
  - Compatible with pilot’s gears
  - Ref: 501002AA

---

(1) The French Defense Procurement Agency / (2) Explosive Ordnance Disposal
CBRN PROTECTION

Unique Pilot System:
Ultimate thermophysiology / Autonomous / Multiple platform compatibility

Above the neck

- Air permeable integrated balaclava hood
  - FR* air permeable CBRN material
  - Anti-fogging ocular protection
  - Optimized oxygen mask interface
  - Anti-drowning system

CBRN Oxygen mask
- NATO compliant
- 9G proven / ejection safe / Kerosene Fire safe / In-flight Valsalva / MIST tests
- DGA tested and flight approved

Below the neck

- CBRN air permeable
  - CBRN undergarment
  - CBRN liners
  - CBRN socks

OPPS: OUVRY PILOT PROTECTIVE SYSTEM

* (flame retardant)
CBRN PROTECTION

ACCESSORIES

Containment bag
- Small
- Medium
- Large

CBRN Repair kit
- Small: 300 x 170 mm Ref: 592003AA
- Medium: 750 x 300 mm Ref: 592001AA
- Large: 1145 x 610 mm Ref: 592002AA

Pilot carrying bag
- Ref: 790003AB

Transport bag
- Ref: 790001AA
CBRN PROTECTION

CBRN protection mask
- New negative pressure mask
- High protection
- Excellent comfort and ergonomics: Flexibility, anti-fog, side canisters, panoramic visor
- Reduced overall cost: Low maintenance, extended service life

Vision correction assembly

Outserts
- Mechanical Protection
- Bright Light Protection

Voice Projection Unit (VPU)
- Integrated
- Remote

Tactical bag
- Robust
- Thigh / belt / shoulder strap

Hydration system
- 3 liters

Filter mount plug tool
- Compatible with O'C50° mask

CBRN protection bag
- CBRN permeable technology
- Light & robust (cordura)

NH15 - Immediate protection
- A1B1E1K1 P3 NBC
- H2S protection: 5000 ppm > 1h
- No maintenance nor energy

Harness
- Fixed and reproducible adjustment
- Special opening for long hair
- Comfort

Ref: 100005AA
Ref: 109010AA
Ref: 102003AA
Ref: 102001AA
Ref: 102002AA
Ref: 102000AA
Ref: 100001AA
Ref: 109000AA
Ref: 109026AA
Ref: 101000AA
Ref: 591000AA
Ref: 100001AA

Ref: 09000AA
Ref: 109026AA
Ref: 109003AA
Ref: 109019AA
Ref: 109016AA
Ref: 109002AB
Ref: 351000AA
Ref: 100001AA
**Law Enforcement Helmet Interface**

**One mask, two protections:**

- **Law enforcement configuration**
  - Helmet interface
  - O’C50® mask without harness
  - O’C50® interface

- **CBRN configuration**
  - O’C50® mask with harness

Ref: 109015AA

- Improved protection
- Better comfort
- Single mask, less logistic

---

**Canisters**

- MILCF50
- ABEK CO NO Hg P3
  - Tested by the DGA (1)
  - 10 years non magnetic

- ABEK2 P3 NBC
  - Specific customer requirements

- CSCF50
  - Ref: 111001AA: military
  - 111000AA: civil
  - Large spectrum
  - Riot control

(1) French Defense Procurement Agency

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Ref: 109010AA

- Ref: 111004AA
- Ref: 111010AA
- Ref: 111005AA
- Ref: 111001AA: military
- 111000AA: civil

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Images of protective equipment and personnel in riot control situations.

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CBRN PROTECTION

RESPIRATORY PROTECTION

FOR SPECIALISTS

ST53 SD

- SCBA 2 liters
- Autonomy: 14 min
- Mass: 2.4 kg

Ref: 126040AA

ST53

- SCBA 4.7/6.8 /9 Liters
- Autonomy: 32 min to + 1 hour

Ref: 121000AA

VOICE projection unit

- For FM53
- Compatible with:
  - PELTOR / PRC152 / PR4G / MOTOROLA /

Ref: 109001AB

FM53

- Specialist mask
- Negative or positive pressure

Ref: 100003AA

EZAIR : Powered Air Purifying respirator

Mono canister EZAIR +

Ref: 130002AA

- Lightest PAPR of the market
- Improved mechanical strength
- New secured connexion with mask
- Compatible with O’C30 and other CBRN masks

Double canister EZAIR +

Upgrade option

Ref: 130003AA

- Constant flow rate 120 lpm
- Increased operationnal time > 8 hours
- Improved ergonomy : traditional belt mount, ergonomically back mounted carrier system, or direct MOLLE mount to ballistic vests

Ref: 121000AA
**DECONTAMINATION**

**DEC'POL®**

Polyvalent mitt for emergency decontamination

**RDSL®**

Reactive Skin Decontamination Lotion

- Fast transfer and destruction of a wide range of CWA, TICs and biological agents.
- No cross contamination
- No powder release

Ref: 612000AA

- CE - Class IIa Medical Device
- Skin decontamination
- 42mL

**DES’DEC®**

Disinfectant, Deodorizer, Detergent, Decontaminating solution

- Decontamination of surfaces and equipments
- Compatible with spraying, foaming, and nebulization devices
- Active on chemical / biological agents

R2D2 Ref: 60000AA : Disinfectant and Deodorizer solution
R2D4 ref: 600002AA : Disinfectant, Deodorizer, Detergent, and Decontaminating solution

**Nebulizer**

- Dry fog
- Complies with NF-T72-281
- Compatible with R2D2 and R2D4

Ref: 622000AA

**DES’DEC Foamer**

- Compatible with R2D4

Ref: 620000AA

**DES’DEC sprayer**

- Compatible with R2D2 and R2D4

Ref: 621000AA

**Decontamination kit**

- R2D4 DES’DEC solution
- Nebulizer / portable nebulizer
- Instruction for use and mixing charts
- Material for mixing

Ref: 623000AA

**Decontamination**

Ref: 600003AA

- Fast transfert and destruction of a wide range of CWA, TICs and biological agents.
- No cross contamination
- No powder release

Ref: 612000AA

- CE - Class IIa Medical Device
- Skin decontamination
- 42mL

**Ref: 622000AA**

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- Complies with NF-T72-281
- Compatible with R2D2 and R2D4

**Ref: 620000AA**

- Compatible with R2D4

**Ref: 621000AA**

- Compatible with R2D2 and R2D4

**Ref: 623000AA**

- R2D4 DES’DEC solution
- Nebulizer / portable nebulizer
- Instruction for use and mixing charts
- Material for mixing

- Tank Capacity: 1.5 L
- Weight: 4.5 kg
- Dimension: 71 x 26 x 35 mm
- Rechargeable battery

**Nebulizer**

**DES’DEC Foamer**

**DES’DEC sprayer**

**Decontamination kit**

**Decontamination of surfaces and equipments**

**Compatible with spraying, foaming, and nebulization devices**

**Active on chemical / biological agents**

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**R2D4 ref: 600002AA : Disinfectant, Deodorizer, Detergent, and Decontaminating solution**

**Ref: 620000AA**

- Dry fog
- Complies with NF-T72-281
- Compatible with R2D2 and R2D4

**Ref: 622000AA**

- Compatible with R2D4

**Ref: 621000AA**

- Compatible with R2D2 and R2D4

**Ref: 623000AA**

- R2D4 DES’DEC solution
- Nebulizer / portable nebulizer
- Instruction for use and mixing charts
- Material for mixing

**Tank Capacity: 1.5 L**

**Weight: 4.5 kg**

**Dimension: 71 x 26 x 35 mm**

**Rechargeable battery**
HAZCAT “No need to be a chemist”

- Hazard Categorization Kit
  - Categorizing the unknown
  - Self-contained kit
  - Fast and easy to use

Detection paper
- Ref: 200001AA
- Detection of HD, GB, VX in liquid form
- Ref: 200000AA

Peroxide paper
- Ref: 200002AA

Detection of HD, GB, VX in liquid form

ARGUS MITIC S
- Ref: 220000AA
- Thermal Imaging Camera:
  - Smallest and lightest thermal imager
  - Fast and easy to use, high image quality

ARGUS TT TYPE
- Ref: 221000AA
- Thermal Imaging Camera for Law Enforcement:
  - Lightweight, ergonomic and robust

IMASS
- Ref: 201001AA : pack of 2
- Ref: 201003AA : pack of 10
- Detection and identification of biothreat agents
- Results in 15 minutes
- 1 sample to run 8 assays
- Available in training version
Biological threats

ANTHRAX VACCINE & ANTISERUM
SMALLPOX VACCINE & ANTISERUM
BOTULINUM TOXIN ANTISERUM

Chemical threats

NERVE AGENT TREATMENT

In partnership with DECON

Ref: 593000AA

CBRN bag to transport medical supplies
Liquid and vapor protection

Ref: 593002AA

Stretcher for contaminated victims - Casualty bag

Ref: 593001AA

Body bag

Confine contaminated body and human remains patches
Retaining straps inside and handling straps outside
Body liquid absorption
Light and low volume
Washable and décontaminable on surface

Avoid cross-contamination during contaminated personnal extraction (vehicle, helicopter, ambulance...)
Rapid deployment, easy to handle, light and low volume.
Retaining straps inside and handling straps outside
Body liquid absorption

Body bag contaminated human remain patches
CBRN PROTECTION

**Basic kit**  
Ref: 560001AA
- NH15®
- DECPOL®
- Butyle gloves
- Immediate protection: Close protection, VIP, civilians, safety & security staff

**Quick Response kit**  
Ref: 560002AA
- Tychem®
- DECPOL®
- Butyle gloves
- Single use overboots

**Intervention kit**  
Ref: 560003AA
- NH15®
- Polycombi®
- OCO5® 2 canisters
- DECPOL®
- Butyle gloves
- OBOOTS®

**Customized kit**

**Protection:**
- Polycombi
- TFI
- O’CSO with storage bag
- Canisters
- NH15

**Detection, sampling:**
- IMASS
- Detection paper
- Containment bag
- Sample collection tubes
- Pipettes
- Notebooks
- Waterproof pens,

**Decontamination:**
- DECPOL
- DESDEC

**Medical countermeasures**
- Forensic, CBRN specialists, EOD teams, Search teams, SIBORA teams

Immediate protection:
- Close protection, VIP, civilians, safety & security staff

Quick Response protection:
- Close protection, VIP, civilians, safety & security staff

Intervention protection:
- Civil Defense, ambassies, NGO, UN, Fire-fighters
SERVICES

SIM KIT

**Fluorescent marker kit**
- Ref: 310002AA
- Water & oil fluorescent markers
- UV lamp

**BANANA OIL**
- Ref: 310003AA

**PPE training version**
- Up to 100 washing cycle
- Ref: 740090

**DECPOL training**
- Ref: 631000AA
- Emergency decontamination glove for training and instruction only

**RSDL training**
- Ref: 630000AA
- Skin decontamination lotion, for training and instruction only

**H-V-G CWA simulants**
- 3 simulants with the same characteristics as real agents
- Work with detection equipments
- Fluorescent

**NRBC professional training**
- Training organization Nr.: 82 69 13328 69
- Audit
- General training NRBC (Risks / protection solution)
- Training in the use of NRBC PPE
- Train the trainer
- Customized training
- Maintenance training

**Services**

**TRAINING**

- Fluorescent marker kit
- BANANA OIL
- PPE training version
- DECPOL training
- RSDL training
- H-V-G CWA simulants
- NRBC professional training
MAINTENANCE SERVICES

Tests and maintenance

Mask sealing check
- OUVRY masks
  ref: 301005AA
- MSA masks
  ref: 301000AA
- AVON masks
  ref: 301004AA

Masks maintenance
- OUVRY masks
  ref: 301006AA
- MSA/AVON masks
  ref: 301006AA
- Square parts

SCBA Service
- Periodical cylinder inspection
  ref: 301001AA
- Cylinder Requalification
  ref: 301003AA
- Technical control
  ref: 301002AA

Maintenance training
- NTI1 training
  ref: 300001AA
- NTI2 training
  ref: 300002AA

Leak Tester
- NTI1 training
  ref: 140000AA
- NTI2 training

New systems qualification

OUVRY SAS - 69009 Lyon - FRANCE
Tel. +33 (0)4 86 11 32 02
info@ouvry.com
www.ouvry.com

User guide

Logistics