

VIRE

EMERGENCY RAPID IDENTIFICATION VEHICLE

CAPABILITY

The VIRE CBRN/PR-ID offers the following capabilities:

- Detects and identifies CWAs , TICs and TIMs and other CBRN agents.
- Transfers suspected BC contaminated solid and liquid substances, conserving them during transportation at the required temperature. VIRE is equipped with a simpling kit and with a refrigerator IOT to properly preserve collected samples.
- Immediate and operative decontamination using PSDS/10 MIL (p/n 950090157 – Nato Stock Number 4230-15-170-5549) and the CBRN decontaminant/detoxifcant product BX 24 (p/n 240243 – Nato Stock Number 6810-15-149-4789). With ONLY 1 PRODUCT that is environmentally friendly it's possible to have complete and full protection against all threats included endemic and zooiatric disease (full test reports from worldwide independent laboratory are available on request).
- Performs sensitive equipment decontamination for the immediate decontamination of the CBRN portable detection instruments installed in the vehicle, using the SX 34 system (p/n 958090183 Nato Stock Number 6850-15-203-0545).
- Collects local meteorological data.
- Supplied with a navigation and positioning system, type GPS-GPRS



CRISTANINI CBRN DECONTAMINATION SYSTEMS



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**VIRE CBRN/PR-ID IS A MULTI-ROLE VEHICLE
CAPABLE OF PROVIDING PROVISIONAL DETECTION
AND IDENTIFICATION CAPABILITIES OF CBRN AGENTS**

INTRODUCTION

- Highly manoeuvrable, self-contained and flexible when deployed.
- Low profile vehicle: The vehicle has the appearance of a civilian truck which is discreet, unlike other vehicles for Military/Law Enforcement use.
- It is supplied with portable and fixed instruments that can immediately detect and identify CWAs (Chemical Warfare Agents) and TICs (Toxic Industrial Chemicals) threats deriving from toxic substances resulting from war, natural disasters, industrial disasters, road accidents or terrorist attacks.
- It includes systems for the decontamination of sensitive equipment (such as the installed detectors), operating personnel and the vehicle.
- A centralised CBRN filtration unit is integrated: it can be connected directly to the crew gas masks.



Though not primarily designed to operate within the contaminated area, this is possible due to the COLPRO system integrated to protect the operators without the need for overpressure.



SCENARIOS OF POSSIBLE EMPLOYMENT

VIRE CBRN/PR-ID has been designed to operate in both urban and rural areas. Deployment missions may include the following:

- Defence and surveillance of restricted areas, critical infrastructure, national borders, military installations (such as barracks, airfield) and sensitive sites.
- High risk events (summits and international meetings, sports events, concerts and other mass gatherings that, for the number of participants and the presence of VIPs, can be critical for Homeland Security).
- Peace missions where a discreet presence in the local population must be maintained, or where monitoring of sensitive areas is necessary.
- Prevention missions or those of rapid intervention, following the threat of mass destruction weapons on homeland security.
- Public emergency situations following release of chemical or biological substances resulting from natural disasters, industrial disasters, road accidents or terrorist attacks.
- Operations conducted by bomb disposal squads (EOD-CBRN team).

