

Environics

CBRN Reconnaissance
Vehicle System



ENVIRONICS

CBRN Reconnaissance Vehicle System



The Environics CBRN Reconnaissance Vehicle System is meant for an easy, fast and reliable sampling and area monitoring of Chemical, Biological, Radiological and Nuclear (CBRN) compounds. The System carries out searching, detection & warning, analyzing and sampling tasks for virtually any CBRN substances. The System also performs constant environmental measuring.

Operation Principle

The crew carries out a CBRN reconnaissance task in a mobile vehicle. When the vehicle is stopped the crew can analyze and identify the dangerous substances found in the samples. Both air and ground samples can be processed and identified in the vehicle. If hazardous materials are found, the system offers tools for creating a complete CBRN report and enables real-time monitoring of the contamination situation.

System Architecture

The system is structured in such a way that the onboard computer receives and processes real-time data from the various sensors. Any abnormalities in the information are immediately recognized and proper actions can be taken. The system is completely platform-free and can be installed into various types of armoured and non-armoured vehicles. Also additional sampling systems and detection sensors can be attached as a part of the earlier installed system. The System can be fully customizable according to the customer's specifications.

A Mobile, Versatile Multi-detector System

Ground C-Detection:

- Ground Area Reconnaissance Detection System (GARDS)
- Chemical Warfare Agent Detector (M90-D1-C CWA Detector / ChemPro100 Chemical Detector)
- Mass Spectrometer (Hapsite™ GC-MS)
- Manual Ground Sampling Devices

Biological Detection:

- EnviScreen Bio100
- ChemPro Reader Module for ENVI Assay System

Other Sensors:

- Meteorological Sensor (Quatro-NBC by Lambrecht)
- GPS Receiver

Additional Equipment:

- Ground temperature sensor
- Manual air sampling system (Tenax tubes)
- Manual sampling post
- Collective protection system
- Ground marking system
- Power mast for weather station
- Communications System

Data Processing:

- Central computing and display
- Integrates following equipment:
 - Air M90/ChemPro100
 - Gasmot™
 - NBC unit valves
 - Ground M90/ChemPro100
 - Hapsite™
 - Rados RDS-200
 - Meteorological Sensor
 - GPS Positioning



CBRN Workstation



Hapsite™ GC/MS



ChemPro100

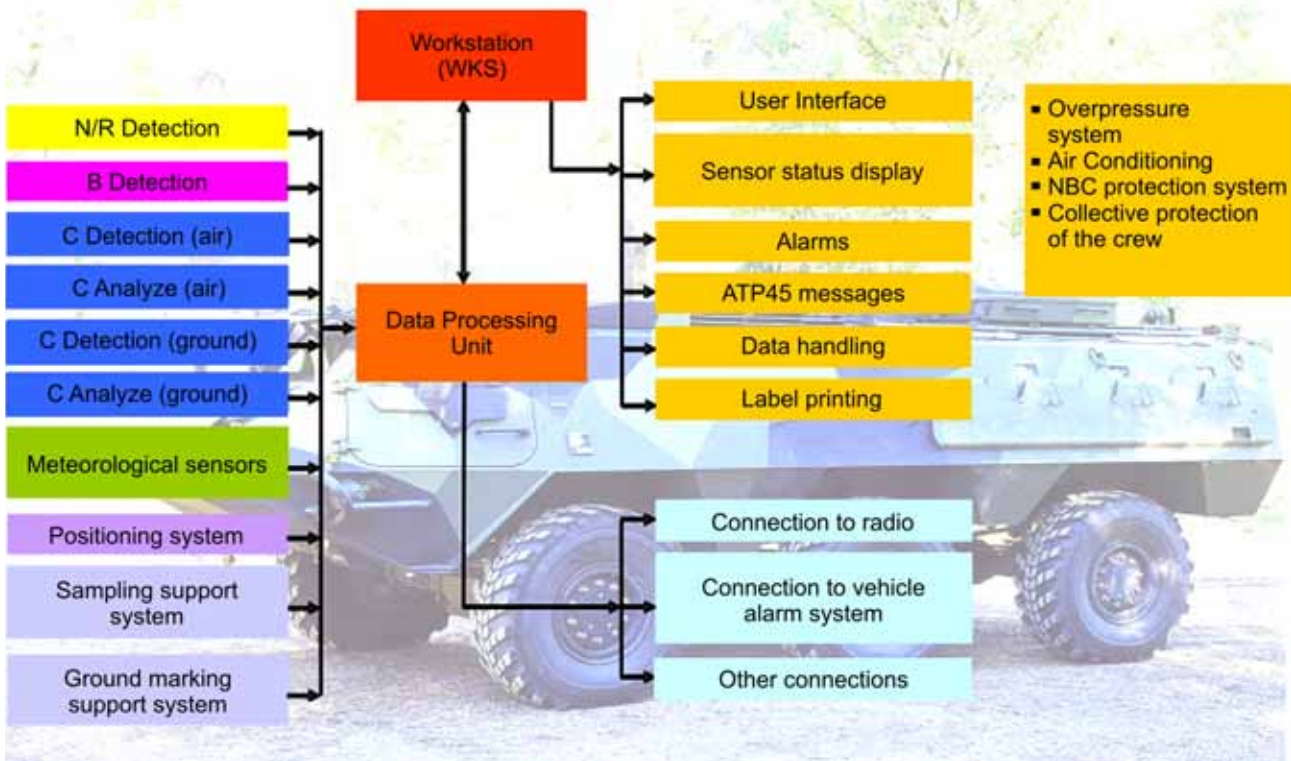


M90-D1-C and M90-VMR

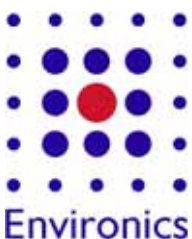


GARDS

Complete Recon Vehicle System



Make a safe choice. Choose the leading technology.



Environics Oy
 P.O. Box 349
 FI-50101 Mikkeli
 Finland
 Tel: +358 201 430 430
 Fax: +358 201 430 440
 E-mail: sales@environics.fi
www.environics.fi

Environics USA, Inc.
 4401 Eastport Parkway
 Port Orange, FL 32127
 USA
 Tel: +1 386 304 5252
 Fax: +1 386 304 5251
 E-mail: sales@environicsusa.com
www.environicsusa.com