

International contract for Saab's CBRN system

Defence and security company Saab has signed an international contract comprising CBRN (Chemical, Biological, Radiological, Nuclear) system amounting to SEK 82.9 million.

The delivery includes a CBRN system; an automatic warning and reporting system (AWR), comprising ten units for mobile detection and surveillance plus a system consisting of 25 stationary detection units for chemical and radiological surveillance.

The delivery also includes a command and control centre, which monitors the entire system day and night. Saab's 9LAND BMS AWR software is included as part of the tactical system and is activated in the event of a CBRN situation. Upon activation, an automatic transfer is made from the stationary system to the tactical system with round-the-clock capacity. The mobile units include four pressure-protected light vehicles where the full picture concerning the AWR system is presented on Saab's rugged hardware. The vehicles are also equipped with Barracuda's HTR system (Heat Reduction).

"This is a major deal for Saab for our CBRN AWR system, including both mobile and stationary systems. This bodes well for Saab's potential to expand its business and strengthen its position within the CBRN area. Several countries have indicated that they need to connect their CBRN sensors in an integrated network to one or more command centres. There is also a trend developing within the CBRN area in which a number of countries are moving away from stand-alone solutions to integrated CBRN systems and vehicles," says Nils-Erik Lindblom, Director Marketing & Sales, Vehicle Systems, Business Unit Land at Saab's business area Support and Services.

The industry's nature is such that depending on circumstances concerning the product and customer, information regarding the customer will not be announced.

MOBILE CBRN LABORATORY



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MOBILE CBRN LABORATORY

Mobile CBRN Laboratory is designed for detection and identification of Chemical Warfare Agents (CWA's), Toxic Industrial Chemicals (TIC's), Biological detection and analysis, and Radiological / Nuclear detection.



Laboratory is an integration of a MAN truck and container, which is fixed to the vehicle. Container is made of insulating material and divided in three compartments: engine room, entering room and laboratory room. The laboratory is airconditioned and pressurized.

In the laboratory are installed instruments for detection presence of chemical, biological, radiological agents and a meteorological station. Data is processed on computer and displayed on the screens.

Filtration and overpressure system protects against CBRN agents. Positive pressure assures clean air in the laboratory as well as the negative pressure in glove box assures clean and safe working environment.

Crew consists of three people: CBRN detection operator, chemical and biological analyst. CBRN instruments are well selected according to high quality and tradition. System enables measuring of radiation inside and outside the vehicle, presence of Biological Agents, presence of Chemical Warfare Agents (CWA) inside and outside the vehicle.



Chemical analysis with Mobile Mass Spectrometer, airsurface probe, gas chromatograph and surface sampler provides identification capability from any medium (soil, water, air). Biological detection enables automatic start of air sampling for further PCR analysis inside glove box.



CBRN Mobile Lab represents a laboratory with a capability for fast on-site diagnostics and provides safe, fast and accurate working process. It combines functionality, efficient use of space and flexibility. In the case of attack with weapons for mass destruction, a rapid and effective response with correct identification of the CBRN agents is extremely important.

The CBRN mobile laboratory can be further customized to fit specific needs and demands of the customer.

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