SAS

SITUATIONAL AWARENESS

VEHICLE
SOLUTIONS

CBRNe Vehicle Solutions
For Light or Armored Systems

Solution for any platform

ObSAS CBRNe Vehicle Solutions are completely platform and hardware independent. Operators can choose detectors, sensors and other devices which are most suitable for their needs. ObSAS Vehicle Solutions are modular, and they can be easily customized to meet the operational requirements.

Merges many systems as one

ObSAS CBRNe Vehicle Solutions combine all vehicle systems into one. Operators can control and monitor all subsystems and devices from the same user interface instead of getting cluttered by several different systems and interfaces.

From installations to full turn-key solutions

ObSAS Vehicle Solutions can be delivered as a turnkey solution including all, from vehicle platform to sensors and detectors. All devices can be chosen by the end user or Observis Oy can recommend the system including technologies and devices.

For existing or pre-chosen vehicle platform, CBRNe devices and technologies will be chosen, concept will be designed and finally the system will be installed and integrated. Existing vehicle can also be used when old devices and systems are replaced by modern solutions.

After everything is up and working operators will be trained to use and maintain the vehicle.

Interoperability

ObSAS system supports all typical sensor data interfaces and is compatible with hundreds of devices and systems. Documented APIs are available when integrations with other systems, such as C4I or Battle Management Systems, are needed.

ObSAS is also NATO ATP-45 compatible enabling smooth situational awareness sharing. CBRNe vehicles can communicate by wired or wireless data links, such radios, WiFi, satellite 3G, 4G etc.

ObSAS provides complete situational awareness

ObSAS Vehicle Solutions are fully compatible with ObSAS Control Center software meaning operators can easily see vehicle and mobile units in real time. All CBRNe vehicles can be part of a single fixed network during their operation. Command centers receive real-time data from vehicles and vice versa. Information can be any sensor data, such as CBRNe data, weather, video, air quality, etc.
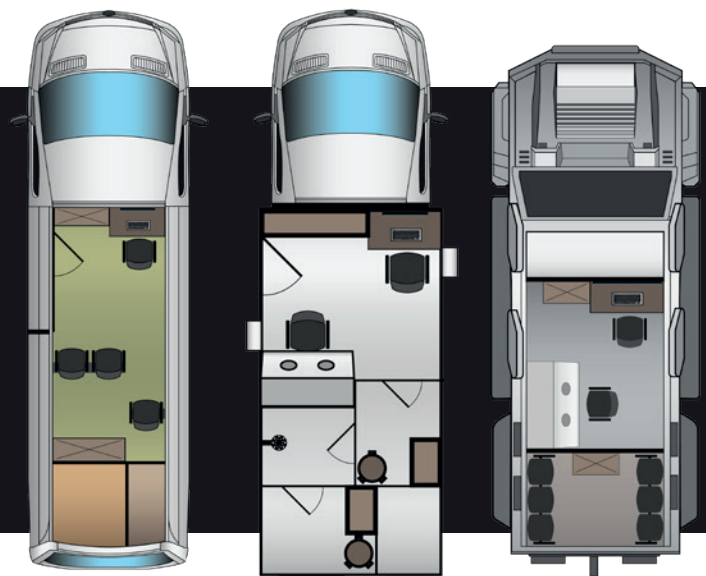
Operators can issue commands and plan missions from Command & Control Center, send them to vehicles and mobile units in the field and then monitor their progress from the system. The vehicles and mobile units also share real time data within the system.

Improve your capability

With ObSAS solution operator's hands are not tied into single manufacturer's technologies and products. Instead, they can choose the best available technologies to fit their specific and different needs. During their operational life-cycle, the vehicles can be upgraded and devices changed. ObSAS enables smooth integrations also during upgrades, which provides highly improved capability and reliability

Customizable for any platform

From light to heavy and armored vehicles as well as container type solutions ObSAS Vehicle Solutions can be scaled and customized to provide optimal performance and seamless system integration.

ObSAS integrates

- Detectors, Sensors and Analyzers
- UAV and UGV systems
- CBRN Filtration and Overpressure Systems
- Flag and Marking Systems
- Camera and Video Systems
- Glovebox
- Power System
- Water system
- Weather Mast Control

Fast and lightweight System

ObSAS has been designed to be used for wide range of applications, yet it does not require massive servers or high computer performance. The system is fast, lightweight and designed for easy but effective operation. All necessary information is available in a quick glance.

Responsive and reactive User interface

The ObSAS user interface is unique on the market. It has been designed and produced with the latest and proven tools and guidelines for responsiveness, scalability and usability. It has been developed and designed for fast and easy operation during emergency and crisis.

User interface enables fast actions and availability of the most important and mission critical information. It guides the user to always ensure correct actions.

Faster response with automated actions

To ensure faster and correct actions during emergency, operator can build and manage automated actions by ObSAS software through a unique feature called Rule Editor which makes the automation management very easy. Typical automated actions are turn on filtration after CBRN alarm from detectors, focus camera during CBRN alarm, startup long distance chemical detection after local chemical alarm, and keep the crew safe and secure.

Observis Oy HQ
Jääkärinkatu 33,
50130 Mikkeli, Finland

Contact us
sales@observis.fi

Observis Oy Middle East
Guardian Office Tower
(Technip Building), 4th Floor,
Abu Dhabi - UAE

www.observis.fi