VEHICLE
SOLUTIONS

Observis CBRNe Vehicle Solutions integrate all different devices and systems into one single interface. They are device and tecchnology independent scalable systems for light or armoured platforms

observis

CBRNe Vehicle Solutions

For Light or Armored Systems

ObSAS integrates

- Detectors, Sensors and Analyzers
- Remote detection systems
- 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

Complete CBRNe and environmental monitoring system for vehicles

Observis CBRNe Vehicle Solutions offer complete platform and hardware independence, enabling operators to select detectors, sensors, and devices tailored to their specific needs. The modular nature of the solution allows for easy customization to meet operational requirements, providing a unified user experience and capability across any light or armored chassis.

Merges all systems as 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. Users can see the CBRNe status, location, weather and vehicle systems visualized in a clear and understandable format. Alarms and notifications are shown with operating instructions and all critical information. All data is logged and missions can be played back afterwards for closer inspection.

The solution is also able to integrate remote detection systems giving the entire vehicle a whole new level of detection capability. User can control the mast and the detection system via ObSAS software interface and get all detection data logged and stored.

If threat is detected a marking flag can be dropped both in the map interface and in the actual location. The solution freatures a semi-automatic marking system where flags are automatically identified when they enter the dropping system and its data is stored in ObSAS software.

From installations to full turnkey solutions

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

For existing or pre-chosen vehicle platform, CBRNe devices and technologies will be selected, 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.

Interoperable with other systems

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.
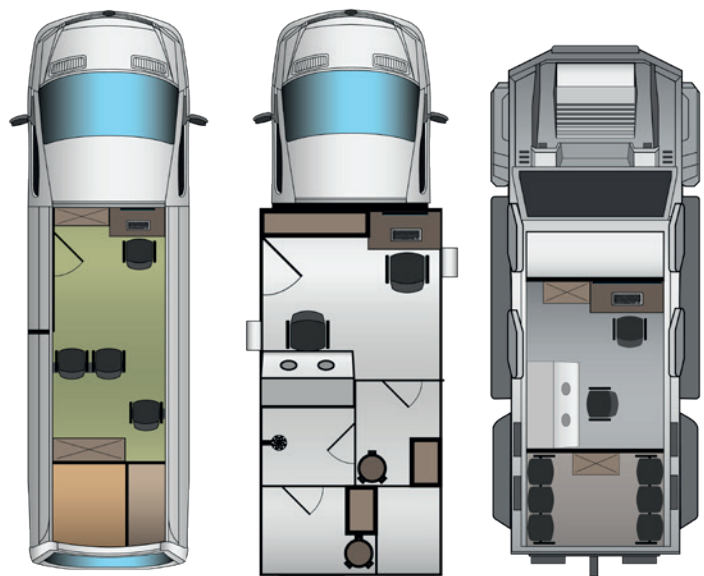
ObSAS provides complete situational awareness

Observis CBRNe 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 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 specialized needs. During their operational life-cycle, the vehicles can be upgraded and devices changed. ObSAS software enables smooth integrations also during upgrades, which provides highly improved capability and reliability.

"The system can be scaled to fit anything from a light van based system to an armoured vehicle for heavy duty field use"

SITUATIONAL AWARENESS

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 turning on filtration after CBRN alarm, focus camera during after alarm, startup long distance chemical detection, and keep the crew safe and secure.