



SHELTER SYSTEMS



Automated and smart shelter control systems for improved security and capability. Full integration of CBRN, shelter and building management systems into one interface.

Smart Shelter Systems



Integrates all shelter systems into one simple interface

ObSAS Shelter Control System integrates all shelter systems into one single solution. Operators can monitor and manage shelter remotely. ObSAS Shelter System integrates sensors, detectors, filtration systems, door control, CO₂ removal, power system monitoring, camera systems, BMS and many more.

Fully automated system

Observis Smart Shelter System enables full automation of all critical shelter features. User can set predefined rules by which the system reacts to alarms and changes in the shelter status. Shelter will work at full capacity even if the control room is unmanned. This provides a new level of readiness for your shelter and fast and correct reaction to potential threats.

Typical actions are automatic filtration and overpressurization after serious CBRN alarm from detectors, starting CO₂ removal when high levels are measured, stopping air intake when filter capability has dropped, activating the decontamination entrances after alarm, etc.

Visualized situational awareness

Clear visual situational awareness is vital during crisis and emergency. Operators need to understand what they are seeing immediately instead of spending time trying to understand readings and their meaning. Observis ObSAS shelter control system has been designed to be easy to use and understand. All readings are shown in clear and

Key features

- Integrates all shelter systems and building management systems as one interface
- Provides complete situational awareness, including outside shelter
- Full shelter automation
- Collects and visualizes real-time data from all sensors and systems
- Monitors the health and operability of the shelter
- Hardware independent solution
- eMaintenance for shelter and equipment maintenance
- Applies to all critical infrastructure protection
- Scales from standard shelters up to vip-shelters

understandable format with visual and audio cues for different states and events. ObSAS shelter control system provides complete situational awareness view for all stakeholders, including operators inside the shelter and outside of the shelter.

Information can be shared with other shelters, buildings, even CBRNe vehicles and mobile units outside the shelter. This improves the operational capability remarkably during crisis and emergency.

In addition to the actual crisis management, ObSAS also provides shelter system health information, such as digital maintenance log, spare part and consumable inventory, filter life monitoring, indoor air quality monitoring, etc.

Full CBRNe Detection

ObSAS Shelter Control System provides full CBRNe detection features. Due to the hardware independence the shelter can be equipped with best available sensors and detectors to meet customer's operational requirements.

Depending on the type, size and purpose of the shelter, there are various requirements for the CBRNe detection at entrances, inside the shelter, at air intakes and outside the shelter. Typically, one type of sensors is not ideal for all CBRNe detection requirements in shelter and critical infrastructure applications. By using multiple technologies the reliability of the CBRNe detection is improved.

With ObSAS solution operators are not tied to 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 shelters and other critical infrastructure facilities can be upgraded and devices replaced. ObSAS enables smooth integrations also during upgrades, which provides highly improved capability and reliability.

“Smart shelter system is a fully integrated CBRNe and safety monitoring solution for your critical infrastructure”



Integrated eMaintenance system

Observis Smart Shelter Systems include an eMaintenance system to help with upkeep of the shelter and its parts. Devices connected to the ObSAS software are presented automatically and user can add custom items as needed. Every item has its own spare part stock set up as well as maintenances and manuals. The spare parts list is updated when a maintenance requires it and user will receive notification when it's time to re-stock parts.

Additionally, shelter maintenance can be automated by setting pre-scheduled preventive maintenance actions to avoid unnecessary corrective and urgent maintenance. This also ensures shelter's operability all the time. If malfunction or device failure is detected the maintenance personnel will be informed immediately.

ObSAS ENABLES FULL CONTROL OF ALL YOUR SHELTER SYSTEMS



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