

CBRNE-Frontline

Tactical CBRNe Information
Management Software



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CBRNE-Frontline

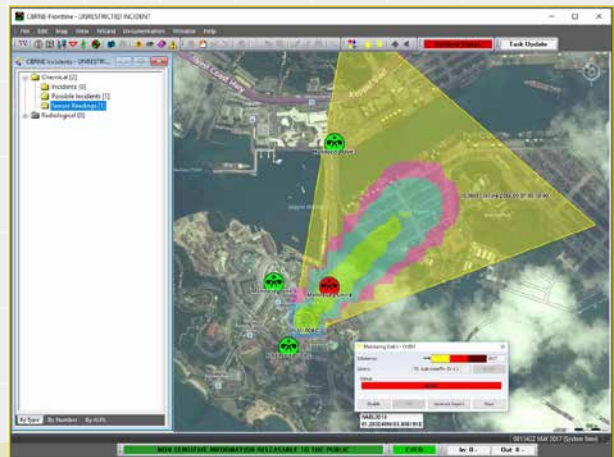
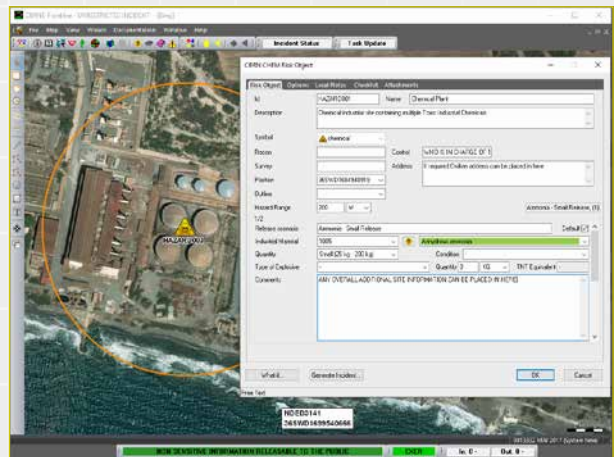
Supporting rapid and effective assessments during CBRNe incidents, ensuring all information is rapidly available – enabling informed and timely decision making, reducing incident response times.

CBRNE-Frontline enables responders to mitigate the impact of an incident, protect assets and reduce the number of potential casualties.

CBRNE-Frontline is a CBRNe Incident and Information management application for use in a wide range of situations requiring accurate incident and hazard prediction information to be made available to initial responders as rapidly as possible.

The software enables effective pre-emptive planning as well as enhancing CBRNe situational awareness during incidents, along with the generation of initial hazard predictions based on real-time data from the scene. CBRNE-Frontline facilitates reliable information based on real data being made available to all levels of the response, from those first on the scene up to Tactical and Strategic levels of Command.

CBRNe Information management software giving responders a comprehensive understanding of an unfolding incident – reducing response times and enabling lifesaving decisions to be made.



Advantages of CBRNE-Frontline

Full Sensor integration

Connectivity to multiple CBRNe sensor types is integral to CBRNE-Frontline. The real-time status and management of all sensors in the CBRNe network can be achieved through the use of the Bruhn NewTech's SCIM® software hub, embedded within CBRNE-Frontline.

Make & model independence ensures different sensors and instruments can be connected, including legacy sensors.

An un-cluttered and easy to use display of all connected instruments aids effective and efficient sensor state awareness and management.

SCIM® provides an overall sensor status indication for the entire sensor network and provides both incident reports and alarms. All sensor data is automatically logged and stored for post-incident analysis.

“What-if” scenarios for pre-emptive planning

CBRNE-Frontline provides the user with the ability to set up defined ‘risk objects’ within the software. The ‘risk object’ can be a facility, a venue or location that may be at risk from a CBRNe incident, either as a target or as a known repository for hazardous materials. All of the known data about a ‘Risk Object’ can be uploaded to CBRNE-Frontline to create a knowledge base for planners and first responders. The ‘risk object’ and any associated hazard area is shown on the map in CBRNE-Frontline.

The software aids preparation through pre-emptive exercises to evaluate the impact of a possible incident occurring. This ‘what-if’ scenario generation is a very powerful tool for effective planning; and facilitates time critical decision making and response.

Built-in briefing generation

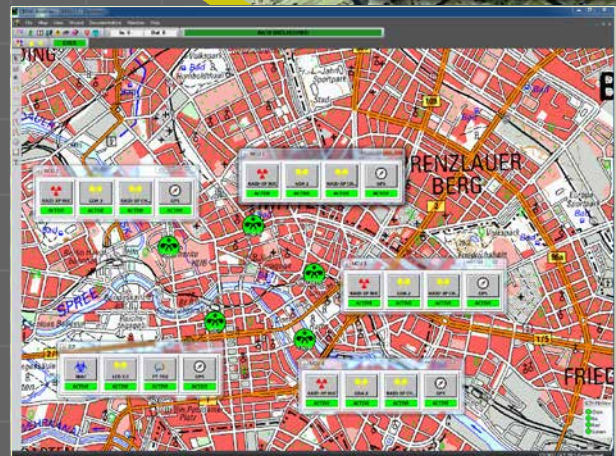
Briefing reports can be automatically generated as documents to provide incident and risk object information for briefing commanders or other participants.

Information includes any hazards detected, map-based predicted hazard areas and any checklists and procedures that apply. The report also links information provided by the ERG on the hazardous materials with appropriate handling and response considerations.

Users can include bespoke operating procedures and checklists into the report template providing a complete information pack within a very short time of the incident.

Incident reporting and calculation of hazard areas

Incident reports are generated automatically using the combined sensor data received, or via manual input at the command post. The sensor information collected enables calculation of Hazard prediction areas, based on both



ATP-45(E) and ERG2012 (emergency response guide) templates. These are presented on the map, indicating the ‘worst-case’ impact of the CBRN hazard on the ground, allowing responders to take appropriate action to minimise casualties.

Integration ready

Incident reports can be exchanged with other systems including NATO ATP-45(E)/AEP-45(D) standard Information Management systems, such as Bruhn NewTech's CBRN-Analysis.

Clear GIS-based operation

Location and tracking of all connected sensors and assets via an intuitive map-based GUI, providing real-time status.

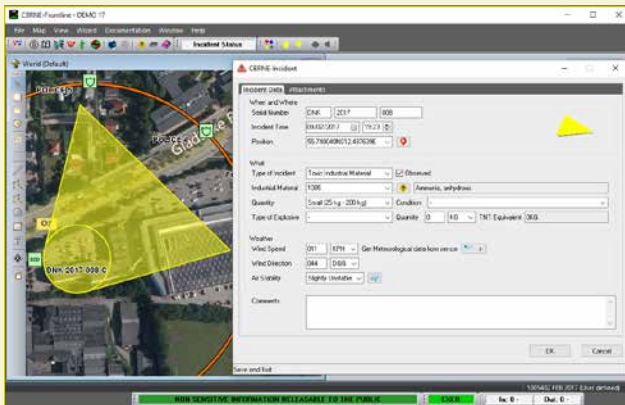
Interaction with all connected sensors and instruments is possible via direct access through the map based sensor icons.

CBRNE-Frontline is also compatible with a wide range of mapping and satellite imagery formats.

Low training burden

CBRNE-Frontline is intuitive and easy to understand, removing some of the complexities associated with CBRNe hazard prediction and information management. This ease of use makes it an ideal tool for non-CBRNe specialists.

Applications



Mobile CBRNe Monitoring

Platform integration including:

- CBRN Reconnaissance vehicle – military or civil
- Unmanned platforms - UGV's
- Ship based

Fixed area or asset protection

Continuous CBRNE monitoring of:

- Government and Military facilities
- Critical National Infrastructure
- High profile venues and destinations
- Border crossings and ports

Rapidly deployable CBRNe Monitoring

- Transportable scene assessment for CBRNe related incidents
- Temporary area or facilities CBRNe defence systems
- Operates with Bruhn NewTech HazKey® systems



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