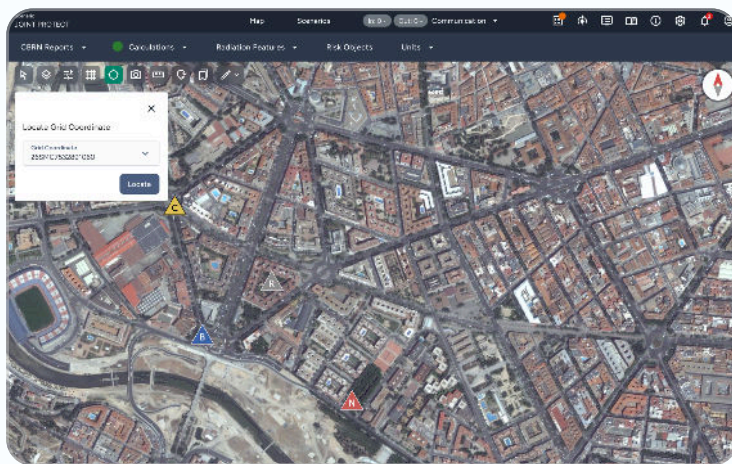


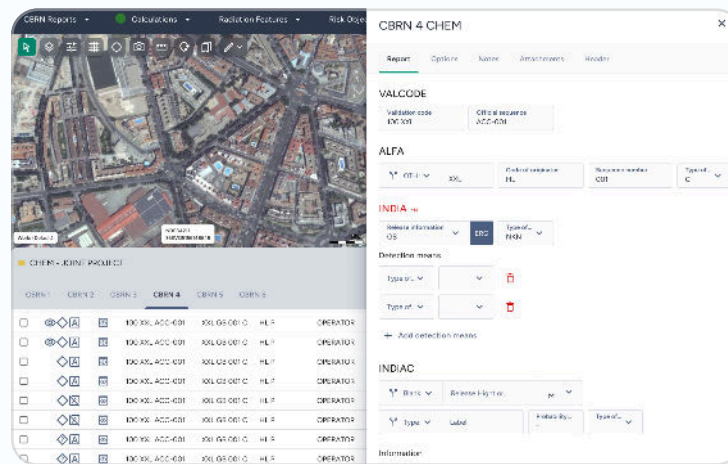
CBRN-Analysis^{NG} CBRN Defence Planning and Incident Management

Powered by
**BRUHN
NEWTECH**
LIFE SAVING SOFTWARE SOLUTIONS

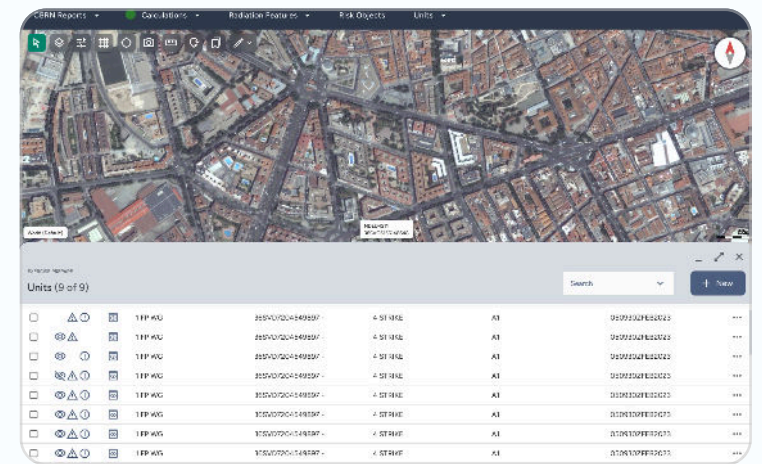
PRODUCT SCREENSHOTS



Map overview



CBRN reports



Units at risk

Key benefits

- **Access anywhere, deploy instantly:** Runs securely in modern web browsers (Edge/Chrome/Firefox) and is compatible with standard defence networks (air-gapped capable).
- **Role-based workflows:** The UI adapts to assigned roles, improving speed and clarity under pressure.
- **Improved security & auditability:** Limit access to only what is operationally necessary, with centralised control via server-side access rights and versioning.
- **Battle-tested core:** Supports CBRN 1-6 message generation, hazard prediction, and NATO W&R workflows based on ATP-45 logic.

Core capabilities

- **Hazard and contaminated area prediction** for CBRN incidents, displayed as a clear map-based operational picture.
- **CBRN situational awareness & risk management:** Identify areas/units at risk and support time-critical decisions to protect lives and assets.
- **“What-if” planning:** Supports pre-emptive planning and risk assessment using defined risk objects and scenario analysis.
- **Briefing/report outputs:** Generates structured briefing material to support command decision-making and rapid dissemination.

Standards & interoperability

- › Aligned with NATO W&R processes and calculations (ATP-45/AEP-45).
- › Supports NATO messaging and symbology standards (ADatP-3 / APP-11 / APP-6) and can be configured for additional coalition standards as needed.
- › **GIS & map services ready:** Supports WMS-based map delivery and visualisation from one or more map servers within the NG architecture.
- › **Sensor-ready:** Can be configured to consume CBRN sensor data via SCIM® where available.

Technical & deployment summary

CBRN-Analysis NG consists of a server application and a browser client connected via a Local Area Network (LAN). The server performs calculations, stores the CBRN situation, and visualizes map data (WMS) from external map servers. The browser client is used for input, workflows, reporting, and visualization.

DEPLOYMENT MODELS

- › **Single computer (1 operator):** server + client on one computer; client runs locally in a browser.
- › **Workstation (up to 4 operators):** server + client on workstation; up to three additional browser clients on networked computers.
- › **Server (up to 10 operators):** server on dedicated server; up to ten browser clients. More secure posture: server can be physically protected; no data stored on clients.

Optional configuration & related products

Optional extensions can be configured to meet national and operational requirements (examples): SCIM® sensor integration, GIS web services (WMS), CBRN COP publishing, NFFI, language support, and additional decision-support/modelling options.

SCIM®: multi-sensor connectivity and information management; can provide sensor data to CBRN-Analysis workflows.

DELIVERY & EXPORT

- › Delivery typically includes software, installation package, and operator documentation; licensing and optional modules are provided as contracted.
- › CBRN-Analysis is an Export Controlled software application covered by category ML21.b.3 in EU directive 2014/30/EU.

Technical specifications

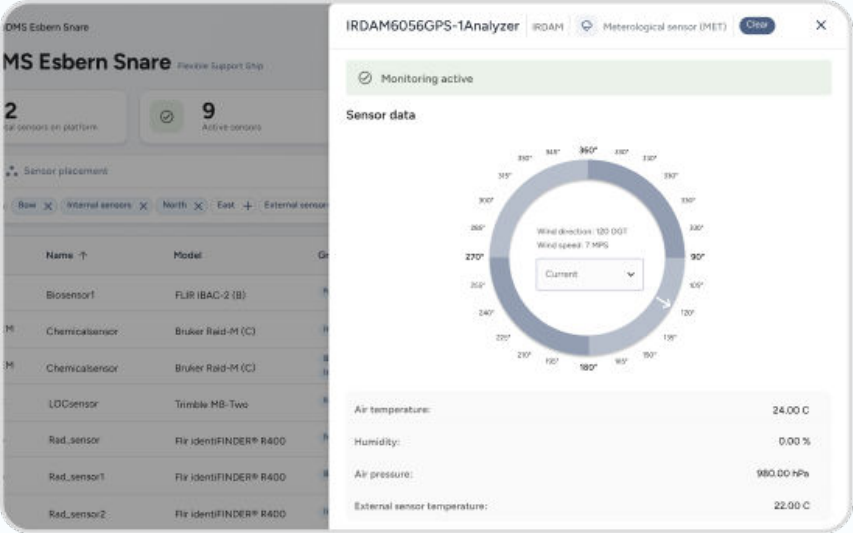
HARDWARE REQUIREMENTS (RECOMMENDED)

	SERVER	WORKSTATION	SINGLE COMPUTER	BROWSER CLIENT
CPU	Intel i9 (14 cores / 28 threads)	Intel i9 (10 cores / 20 threads)	Intel i5 (6 cores / 6 threads)	—
RAM	32 GB	24 GB	16 GB	1 GB (used by browser)
Disk	>500 GB	>500 GB	>100 GB	—
Network	1 Gbps	1 Gbps	1 Gbps	1 Gbps
Graphics (WebGL 2.0)	—	NVIDIA (GeForce 400+) AMD (Radeon HD 5000+) Intel (HD 4000+)	NVIDIA (GeForce 400+) AMD (Radeon HD 5000+) Intel (HD 4000+)	NVIDIA (GeForce 400+) AMD (Radeon HD 5000+) Intel (HD 4000+)
Monitor	—	HD (1920 x 1080)	HD (1920 x 1080)	HD (1920 x 1080)
Keyboard	—	Any	Any	Any
Mouse	—	2-button wheel	2-button wheel	2-button wheel

SOFTWARE REQUIREMENTS & SUPPORTED TECHNOLOGIES

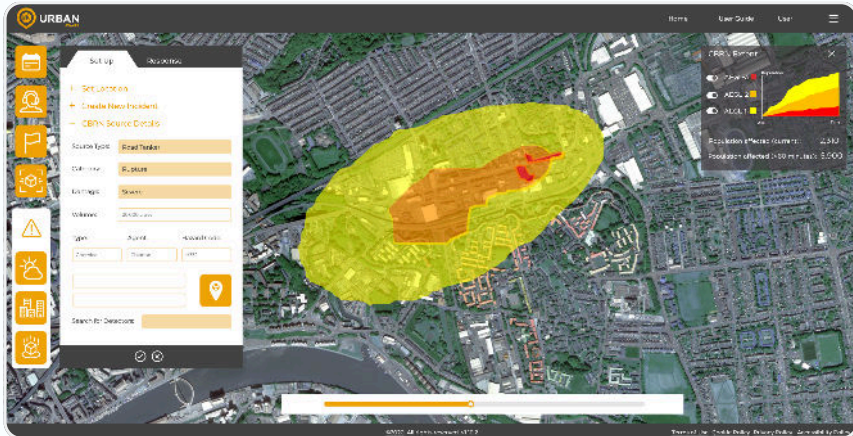
	SERVER	WORKSTATION	SINGLE COMPUTER	BROWSER CLIENT
Operating system (active support)	Microsoft Windows Server 2016, 2019, 2022, 2025	Microsoft Windows 11 Pro /Enterprise	Microsoft Windows 11 Pro /Enterprise	—
Communication (out of the box)	Shared folder; POP3/SMTP/IMAP; NFFI/FFTS	Shared folder; POP3/SMTP/IMAP; NFFI/FFTS	Shared folder; POP3/SMTP/IMAP; NFFI/FFTS	—
Formats	APP-11; APP-6; NVG; KML; Microsoft Word	APP-11; APP-6; NVG; KML; Microsoft Word	APP-11; APP-6; NVG; KML; Microsoft Word	—
Browser (latest version)	—	Microsoft Edge; Google Chrome; Firefox	Microsoft Edge; Google Chrome; Firefox	Microsoft Edge; Google Chrome; Firefox

Related products



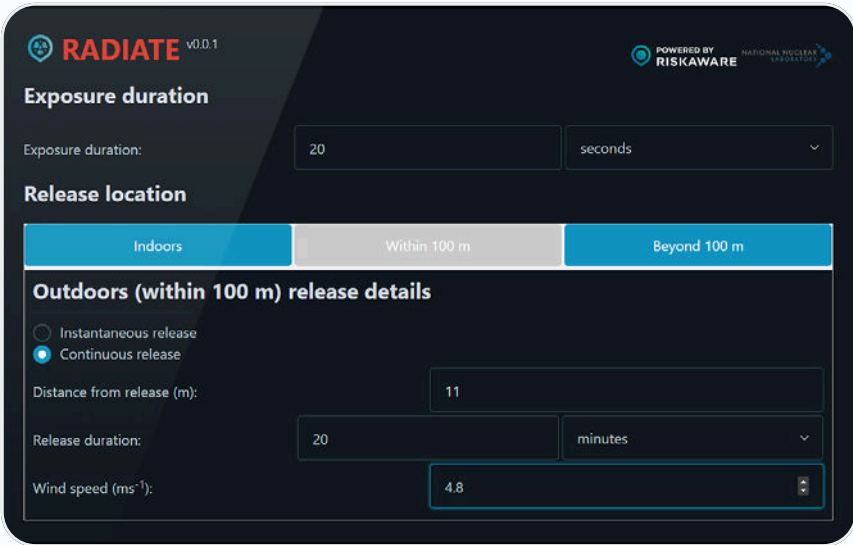
SCIM®

- SCIM® stands for “Sensor Connectivity Information Management” and is a software hub that provides sensor connectivity to multiple sensor types and brands in a single and effective display.
- The system allows collection of sensor data and formatting of that data into standard CBRN messaging for further dissemination via built-in communication applications. The software enables the capture of sensor data that can then be transmitted for further investigation. SCIM® is futureproofed as it allows any sensor or instrument to be replaced or added as technology advances.



UrbanAware

- Optimise real-time decision making with superior situational awareness. UrbanAware is a next-generation CBRN Information Management (IM) tool for the military, first responders, and local government.
- Its aim is to provide lifesaving situational awareness and decision support in the context of urban CBRN and HazMat incidents, helping stakeholders to develop more effective response processes.



RADIATE

- Riskaware works with the UK National Nuclear Laboratory (UKNNL) to modernise legacy nuclear safety case modelling capabilities. RADIATE is a nuclear safety case toolbox providing an up-to-date framework to inform decision-making for multiple safety cases.
- With nuclear energy and the use of co-generation sites set to play a key role in addressing climate change, we need to consider how the proximity of nuclear plants to other energy production sites will impact the risk environment. As a result, there is a greater need for combined radiological and chemical hazard analysis in modern safety cases. Moreover, for advanced, reliable, and validated tools to facilitate such analysis.

More information can be found at: www.bruhn-newtech.com.