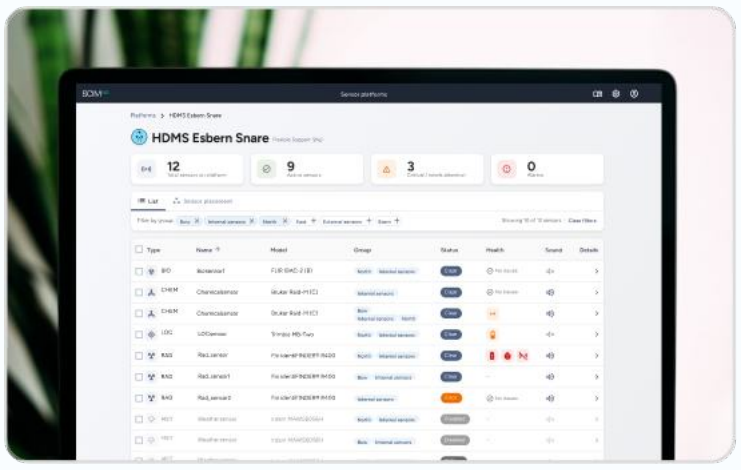


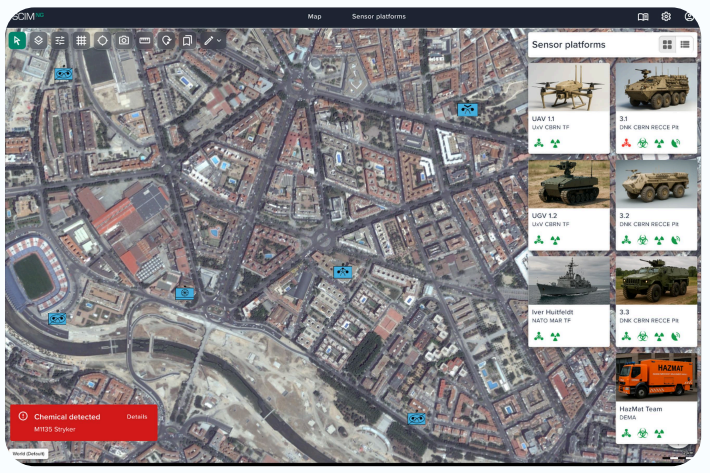
SCIM NG
Sensor Connectivity Information Management

Powered by
BRUHN NEWTECH
LIFE SAVING SOFTWARE SOLUTIONS

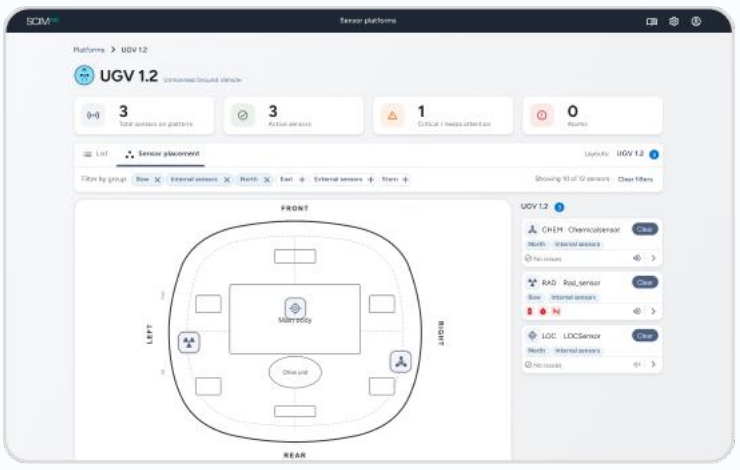
PRODUCT SCREENSHOTS



Sensor Control Station



Sensor Platform Management



Overview of sensor placement

Key features

Sensor Connectivity	› Interfaces to sensors › Decodes data from sensors
Sensor Monitoring	› Analyse data from sensors › Shows current status of connected sensors › Provides sensor control: off, online, mode, settings, etc.
Logging	› Continuous storage of all sensor log events › Archiving of log data
Alarming	› Notify operator(s) › Submit alarm and report to CBRN Management software
National Language Support	› Configurable language packs can be provided on request

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Product highlights

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.

01 Operationally Fielded

Bruhn NewTech sensor integration solutions are in operational use with several naval forces throughout the world which includes Spanish, Dutch, Belgian and Italian Navies. The solutions are also used on reconnaissance vehicle platforms used by nations such as Sweden, Netherlands, Bulgaria, Denmark and the US.

02 Vendor Independent

SCIM® interfaces to any sensor from any manufacturer. More than 50 sensors have been interfaced already and additional sensors will be integrated on request. As customers often combine sensors to find the best mix for their requirement, a single vendor independent monitoring system is preferred as the best possible solution.

03 Sensor Connectivity

The system allows collection of sensor data and formatting of that data into standard CBRN messaging for further dissemination via most built-in communication applications. The software enables the capture of sensor data that can then be transmitted for further investigation. SCIM® is future-proofed as it allows any sensor or instrument to be replaced or added as technology advances.

04 Sensor Simulation

SCIM® provides simulation of sensor data output for operator training. This is a cost-effective alternative to fulfilling operator training requirements, simulating alarm and fault readings from any sensor to allow realistic operational training.

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Product specifications

The SCIM® 6.0 package consists of:

- SCIM® Edge – UI-free service on each platform computer, one per platform
- SCIM® NG Server – on-premises at the ground station or headquarters
- SCIM® NG web client for operators and administrators – browser-based, no installation
- SCIM® Installation and User's Reference Guide
- Licence per platform, as a subscription or a perpetual licence with software maintenance (SOMA)

Note - SCIM® is export-controlled software covered by EU Common Military List category ML21.a.

Technical specifications

HARDWARE REQUIREMENTS

COMPONENT	REQUIREMENT
SCIM® Edge host – minimum	Raspberry Pi 5, 8 GB RAM (NVIDIA ARM64 also supported)
SCIM® Edge host – recommended	Windows 11 or Linux 64-bit PC, 8 GB RAM, 512 GB storage
SCIM® NG server	On-premises at ground station or HQ, for closed networks
Operator and administrator client	Current Microsoft Edge or Google Chrome, no installation
Sensor interfaces	Serial, TCP/IP, Modbus or Bluetooth LE, per sensor
SCIM® Edge to SCIM® NG link	Any IP link: mesh radio, LTE, Wi-Fi or satellite
Hardware supply	Software only. Computers are supplied by the integrator to Bruhn NewTech's recommended specification
Position	GPS / GNSS receiver via NMEA 0183

Note - Host sizing is confirmed per platform and sensor payload. Some manufacturers' sensor libraries are Windows-only; where such a sensor is fitted, the platform computer must run Windows.

SOFTWARE REQUIREMENTS

OPERATING SYSTEM (OS) – SCIM® EDGE	PACKAGING
Windows 11, 64-bit	Native service (Windows Service or systemd) via installer, or container
Ubuntu 24.04 LTS, 64-bit (x64 and ARM64)	
Ubuntu 26.04 LTS, 64-bit (x64 and ARM64)	

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Sensor / Instrument Support

MANUFACTURER	CHEMICAL
Bruker	RAID-1
Bruker	RAID-M
Bruker	RAID-M 100
Bruker	RAID-S
Bruker	RAID-S2
Bruker	RAID-S2 Plus / MV Plus
Bruker	RAID-XP
Bruker	RAPID / RAPIDplus (Stand-off)
Bruker	E2M
Bruker	MM2
Bruker	TIMON
Dräger	X-AM 7000
Bertin Environics	CHEM Pro100i
FLIR	CHEM Sense™ 600
FLIR	Griffin G510 (GC-MS)
Inficon	HAPSITE ER
OwlStone	OCAM
Proengin	AP2Ce & Ve
Proengin	GARDS (Combined AP2Ce)
Proengin	AP4C
Proengin	AP4C-V
RAE Systems Inc.	MultiRae (PGM-6248)
RAE Systems Inc.	MultiRae plus (PGM50-4 PGM50-5P)
RAE Systems Inc.	MultiRae Pro
SEC Technologies	Falcon 4G (Stand-off)
Smiths Detection	LCD-32e
Smiths Detection	CAMPlus
Smiths Detection	MCAD
Smiths Detection	LCD-3.3
Smiths Detection	NEXUS
Telerob	Telemax
Thermo Scientific	First Defender RMX
Dräger	X-AM 8000
908 Devices	VipIR
908 Devices	XplorIR

MANUFACTURER	CHEMICAL
908 Devices	ProtectIR
908 Devices	ThreatID
908 Devices	InterceptIR
908 Devices	MX908
Bertin Environics	ChemProX

MANUFACTURER	RADIOLOGICAL
BMD	MRD-1000
Bruker	SVG-2
Bruker	Radiation Probe
CANBERRA	ANVDR-2
CANBERRA	ADM-300
CANBERRA	AN/UDR-14
CANBERRA	NASRAM
Mirion	Spir-Id
Mirion	Spir-Ident Mobile
Mirion	LLR 202
Mirion	HDS 101
Mirion	RDS-32
Mirion	SPIR-Pack
Mirion	SPIR-Explorer
Multiple Vendors	ANSI N42.42 instruments
Polimaster	PM1401
SAIC	GR-135
SaveEcoBot	Radiation monitoring network
Telerob	Telemax
Thermo Scientific	SVG-2
Thermo Scientific	RADEye G10
Kromek	D5
FLIR	identiFINDER R425
FLIR	identiFINDER R225
FLIR	identiFINDER R100/R200/R440

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Sensor / Instrument Support

MANUFACTURER	GPS
Northrop Grumman	LITEF LLN-GY-4X
Telerob	Telemax
Multiple Vendors	NMEA 0183

MANUFACTURER	METEOROLOGICAL
FT Technologies	FT-702
FT Technologies	FT-742
IRDAM	6056 B, BC, BCGPS & H, HC, HCGPS, 6000, 5000B, H & HCGPSE
Thales	METSMAN

MANUFACTURER	EXPLOSIVE
Bahia	MO2M
FLIR	FIDO

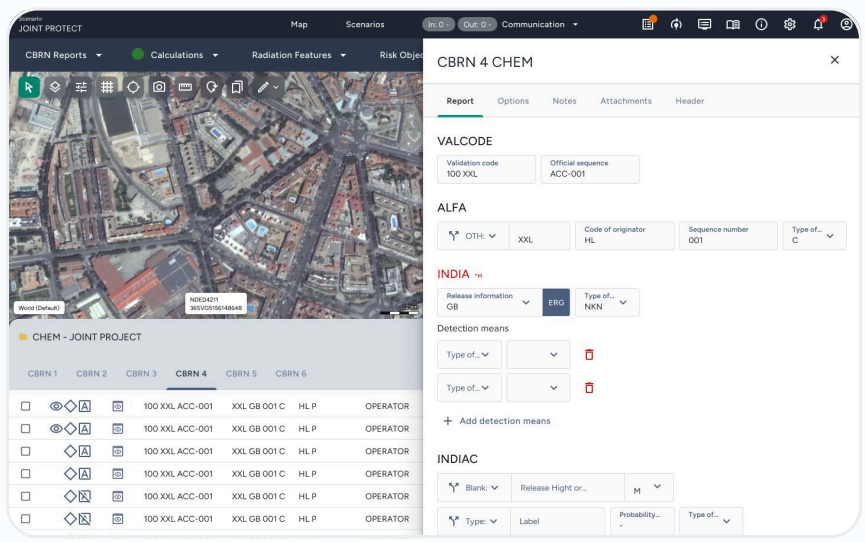
MANUFACTURER	BIOLOGICAL
Bruker	pTD
Dycor	C-Flaps
FLIR	IBAC
FLIR	IBAC 2
FLIR	MUVE B330 (SkyRaider R70 UAV)
SEC Technologies	Falcon 4G S+ (Stand-off)

MANUFACTURER	SURVEILLANCE
Multiple Vendors	IP Cameras

The listed sensor drivers are available Commercial Off-The-Shelf (COTS) today, but any sensor can be easily added to the list on request.

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Related products



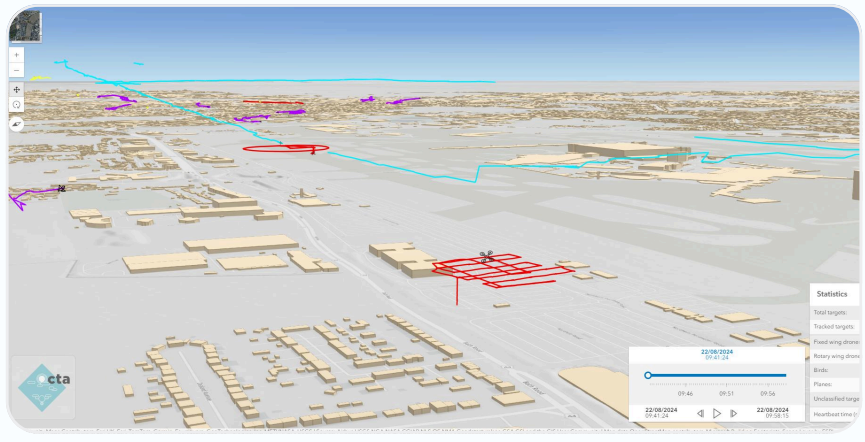
CBRN-Analysis NG

- CBRN-Analysis is an advanced, off-the-shelf software-based CBRN Knowledge Management Application that includes Hazard Prediction and Warning and Reporting.
- Configurable and modular, it provides commanders with rapid and accurate information to increase their CBRN situational awareness within an area where CBRN materials may be used.
- CBRN-Analysis effectively supports and enhances risk-management in all phases of an operation, both in the planning and pre-deployment phase, in-theatre and in the post-conflict or recovery phase.



UrbanAware

- UrbanAware is a next-generation CBRN Information Management (IM) tool for fire and rescue services, HazMat teams, civil protection agencies and local government.
- It provides lifesaving situational awareness and decision support for urban CBRN and HazMat incidents, with automated cordon placement advice, evacuation route planning, and indoor and outdoor dispersion forecasting.



Octa

- Octa is a sensor-agnostic counter-UAS system for airborne object classification, tracking and behavioural analysis, adding value to target tracks from any sensor capable of providing them.
- Its dynamics-based methodology classifies objects out to a sensor's full detection range, and its multi-model machine-learning architecture can be tuned per deployment - from airport monitoring to a specific target class. Sapient-compliant for integration with existing sensor hardware and C2 systems.

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

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