



SCIM[®] NG – *Future vision of Sensor Integration*

Continuous Improvement Working Group (CIWG) 5th / 6th November 2025

Asger P (ASP) & Jase P (JPA)

CONTENT

ASP

SCIM® Today

ASP/JPA

Future vision of SCIM®

ASP

SCIM® Operational use cases

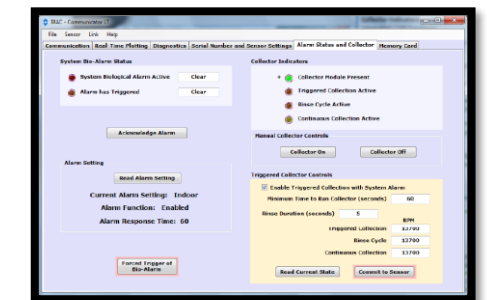
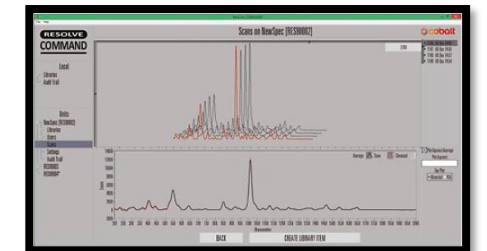
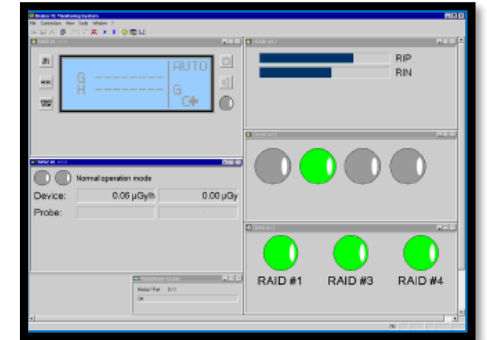
ASP

SCIM® Future Administrator

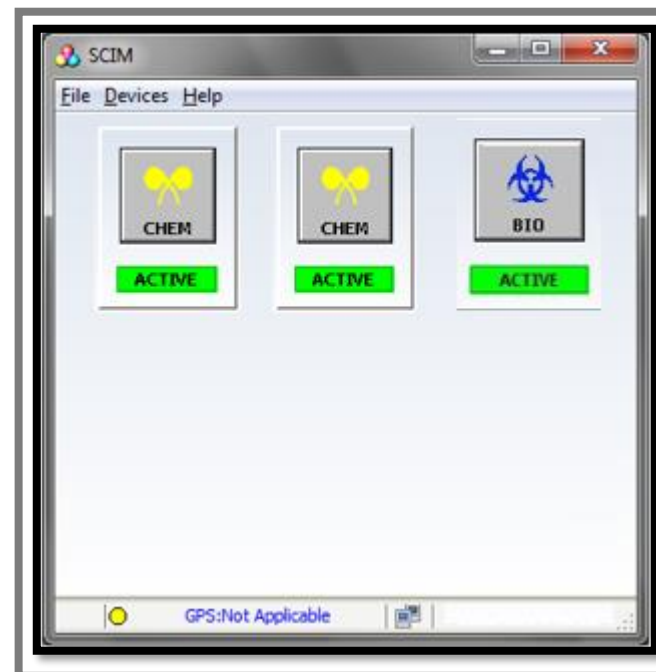
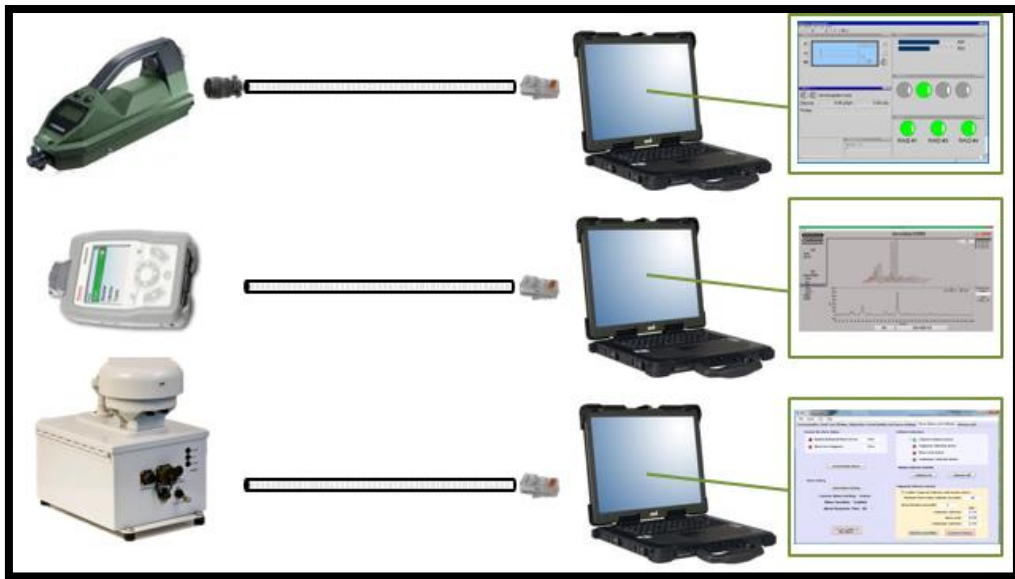
SCIM® Module



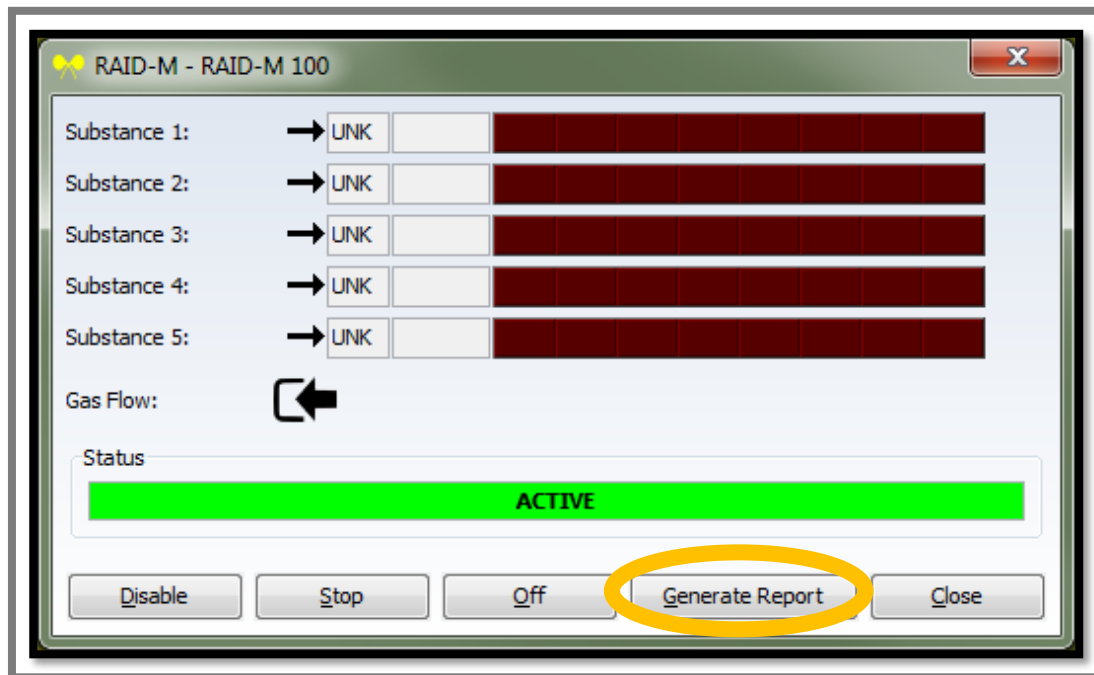
Why Use SCIM®?



Why use SCIM®?



Why use SCIM®?



Why use SCIM®?

SCIM®



Sensor/Instrument support

Manufacturer	GPS
Northrop Grumman	LITEF LLN-GY-4X
Telerob	Telex
Multiple Vendors	NMEA-183

Manufacturer	Meteorological
FT Technologies	FT-702
FT Technologies	FT-742
IRDAM	IRDAM6056 B, BC, BCGPS & H, HC, HCGPS
IRDAM	IRDAM6000
Thales	METSMAN

Manufacturer	Explosive
Bahia	MO2M
FLIR	Fido

Manufacturer	Surveillance
Multiple Vendors	IP Cameras

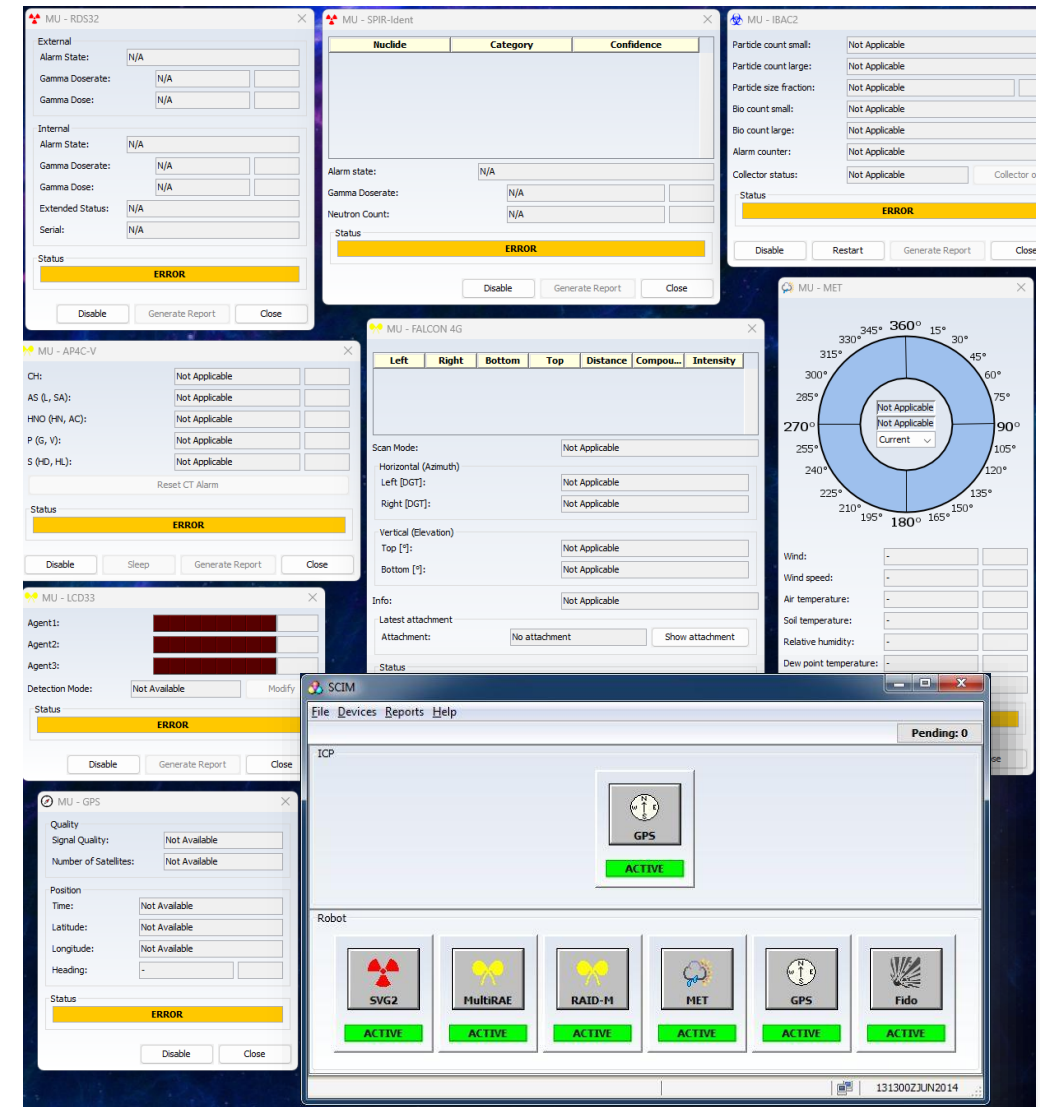
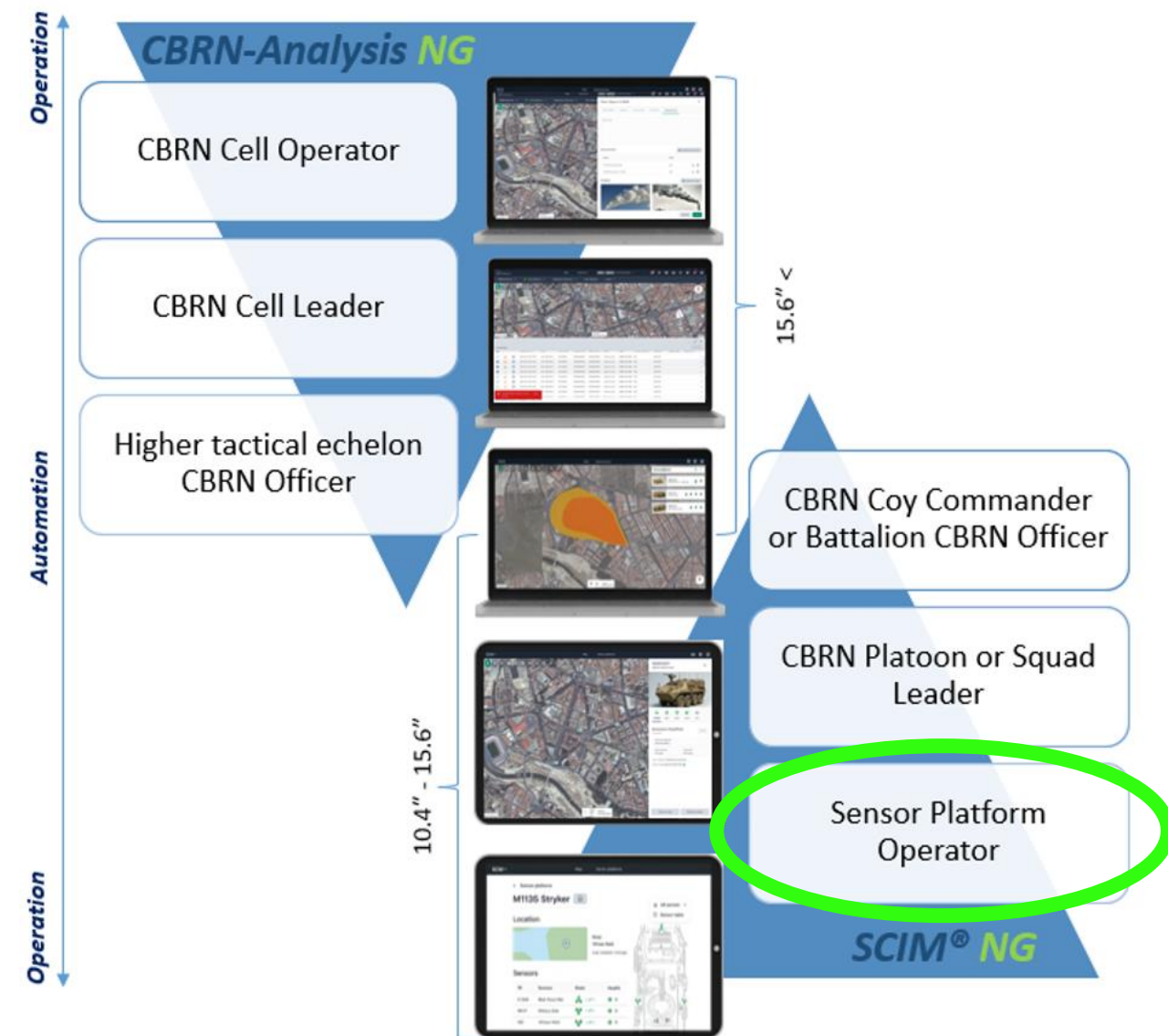
Manufacturer	Radiological
BMD	MRD-1000
Bruker	SVG-2
Bruker	Radiation Probe
CANBERRA	ANVDR-2
CANBERRA	ADM-300
CANBERRA	AN/UDR-14
CANBERRA	NASRAM
Mirion	Spir-Id
Mirion	Spir-Ident Mobile
Mirion	LLR 202
Mirion	HDS 101
Polimaster	PM1401
SAIC	GR-135
Telerob	Telex
Thermo Scientific	SVG-2
Thermo Scientific	RADEye G10

Manufacturer	Chemical
Bruker	RAID-1
Bruker	RAID-M
Bruker	RAID-M 100
Bruker	RAID-S
Bruker	RAID-S2
Bruker	RAID-S2 Plus
Bruker	RAID-XP
Bruker	RAPID (Stand-off)
Bruker	E2M
Bruker	MM2
Bruker	TIMON
Drager	X-am 7000
EnviroNics	CHEM Pro100i
FLIR	CHEM Sense™ 600
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-3.2e
Smiths Detection	CAMPlus
Smiths Detection	MCAD
Smiths Detection	LCD-3.3
Smiths Detection	NEXUS
Telerob	Telex
Thermo Scientific	First Defender RMX

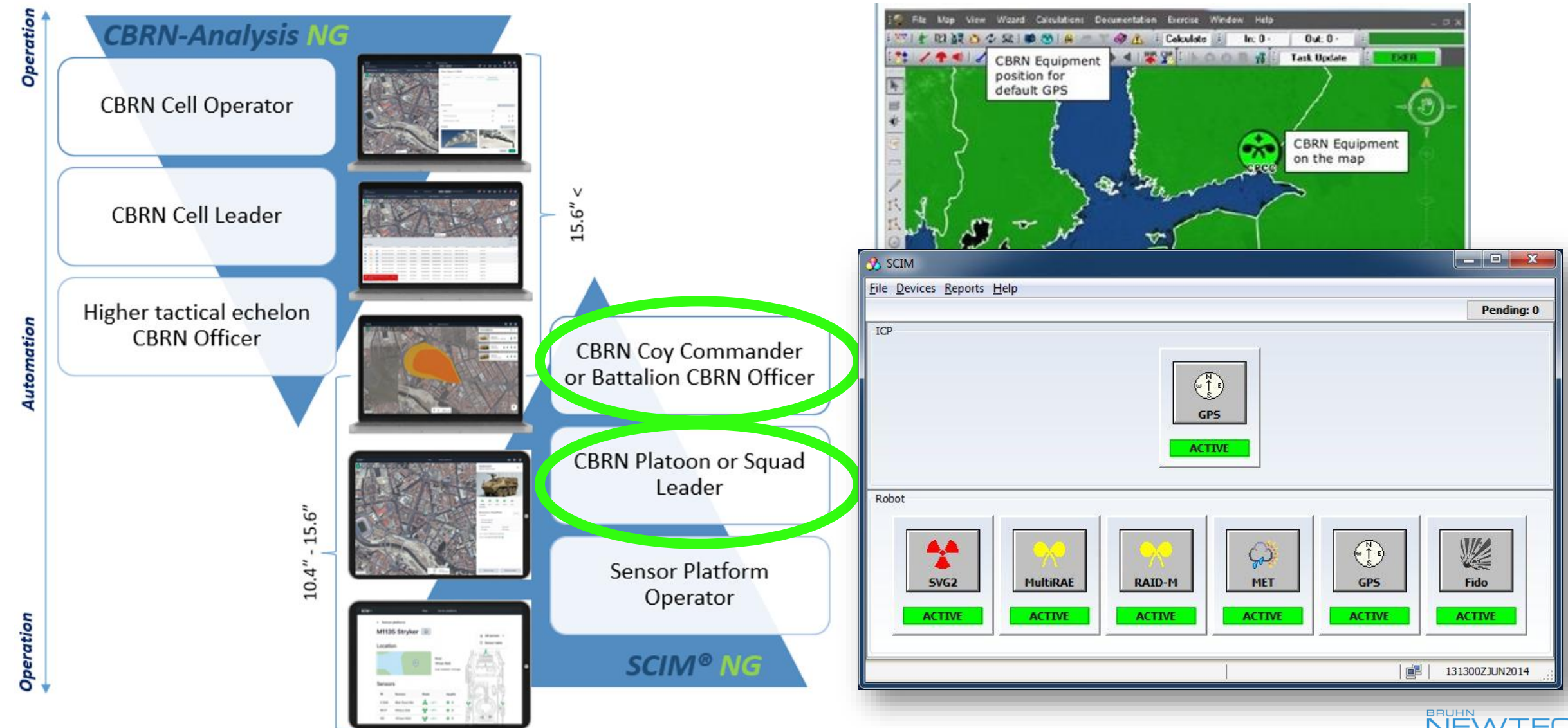
Manufacturer	Biological
Bruker	pTD
Dycor	C-Flaps
FLIR	IBAC
FLIR	IBAC 2
SEC Technologies	Falcon 4G S+ (Stand-off)

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

SCIM® today vs Operator Personas

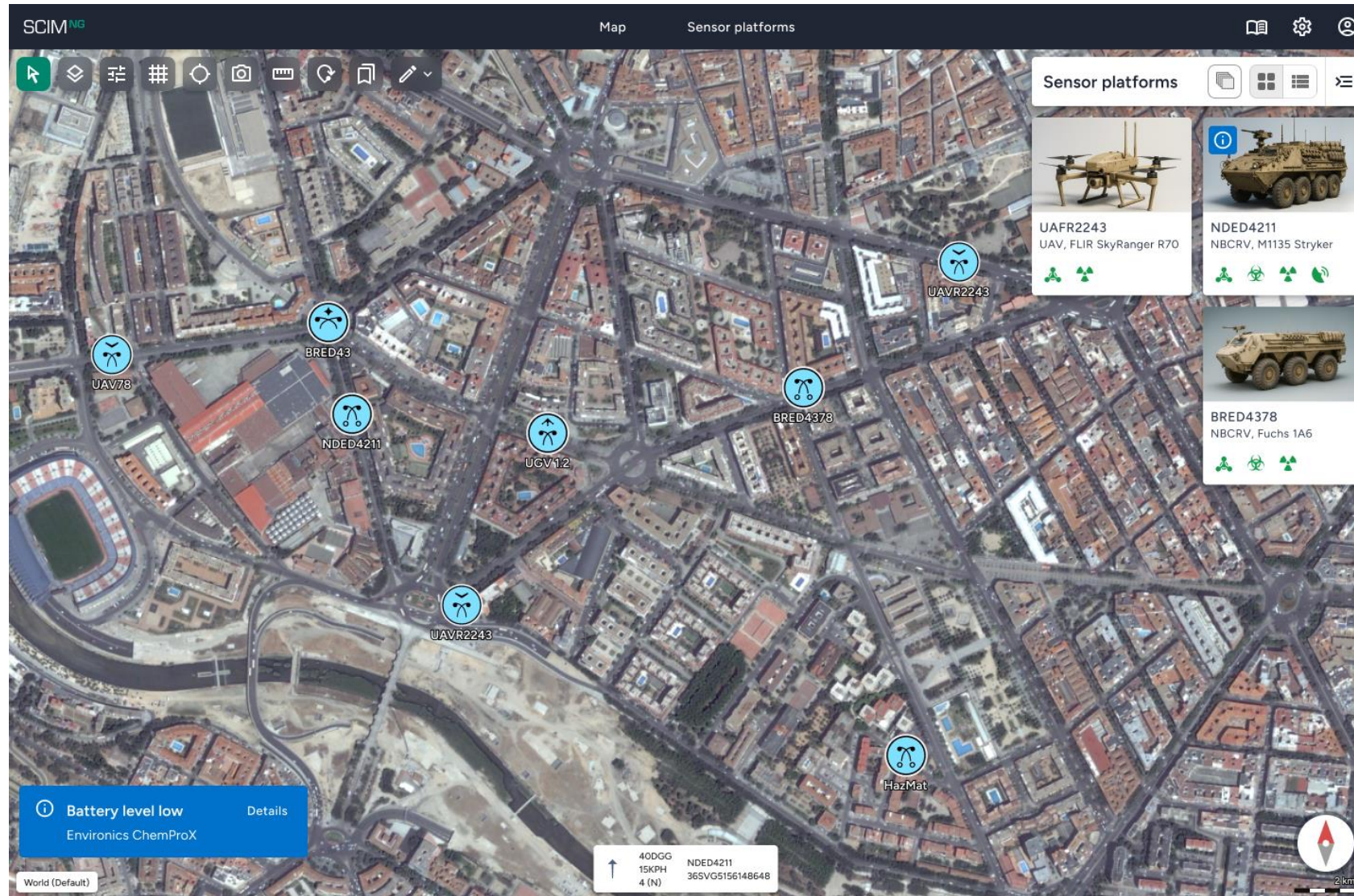


SCIM® today vs Operator Personas



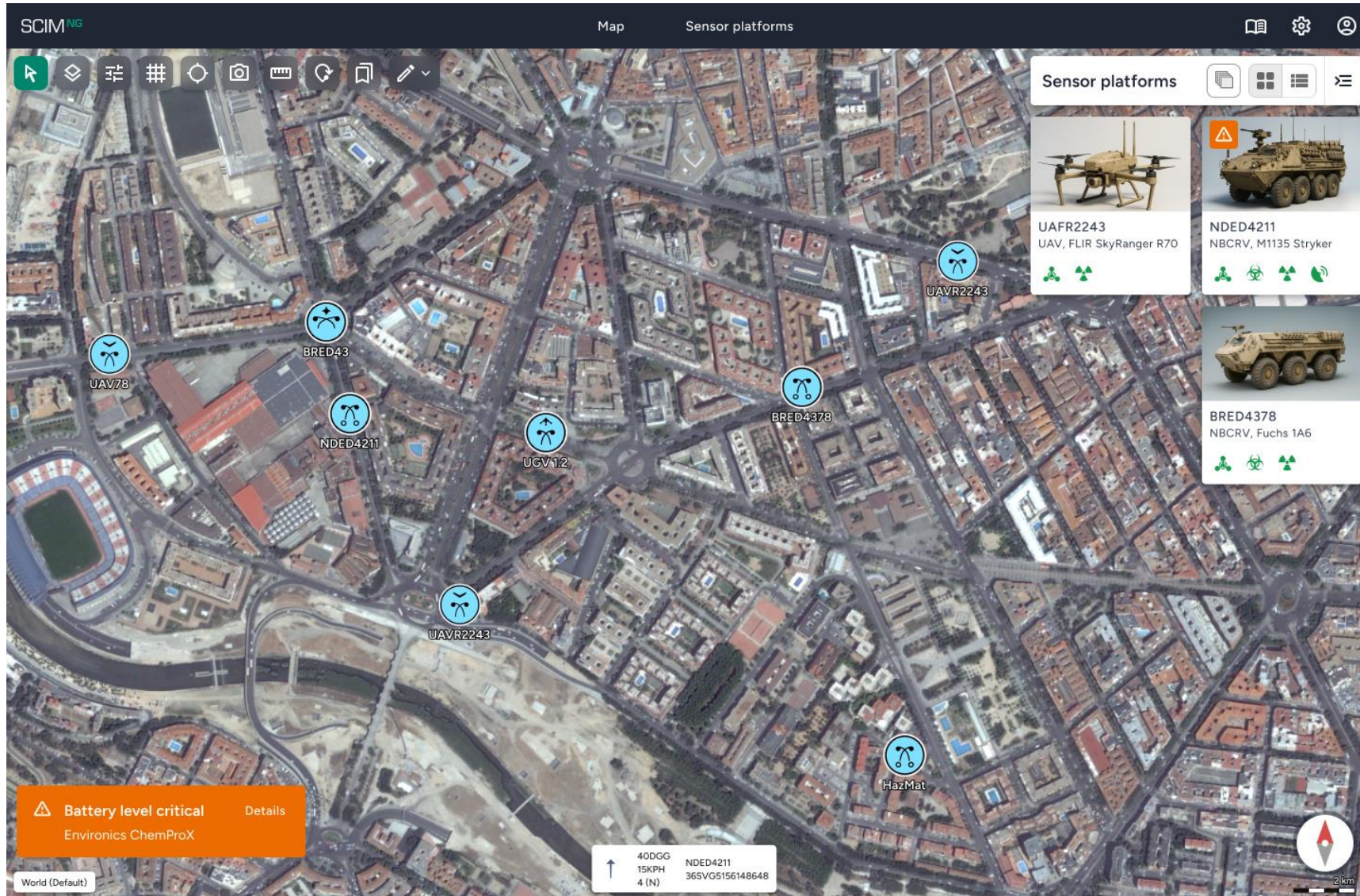
“What happens on the map-overview?”

Sensor Health – non-critical event



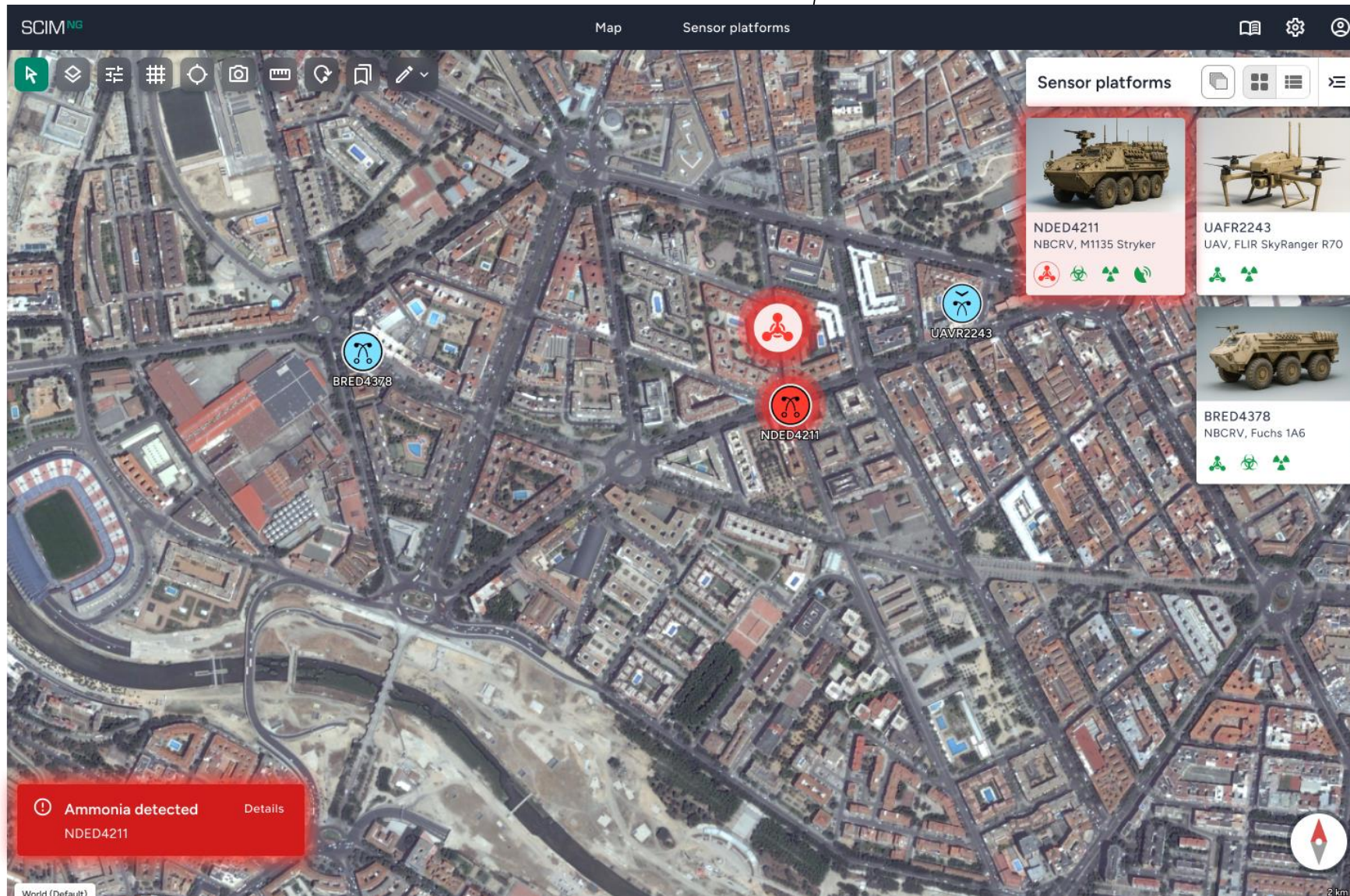
“What happens on the map-overview?”

Sensor Health – critical event



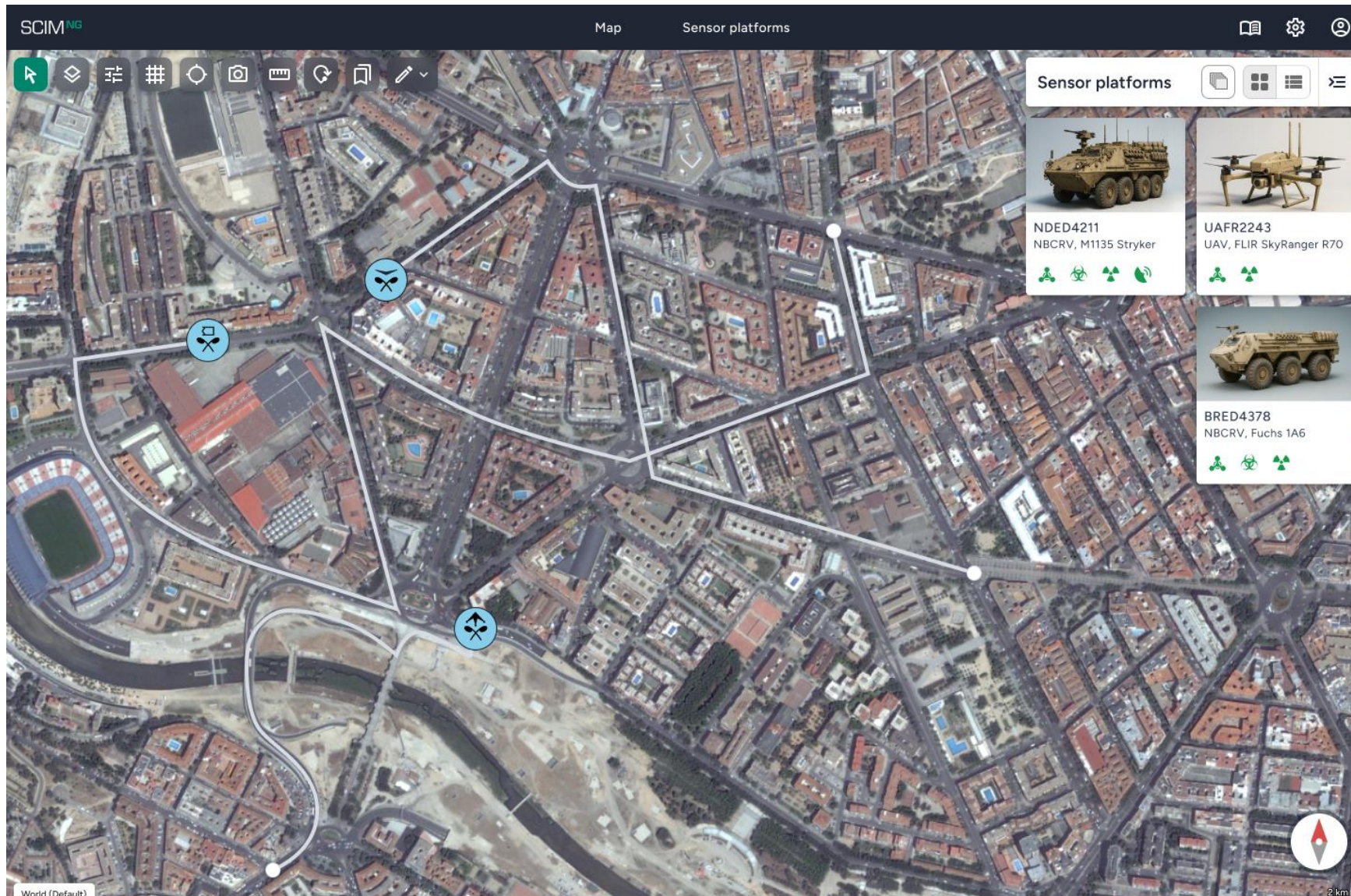
"What happens on the map?"

Alarms & Alarm pins



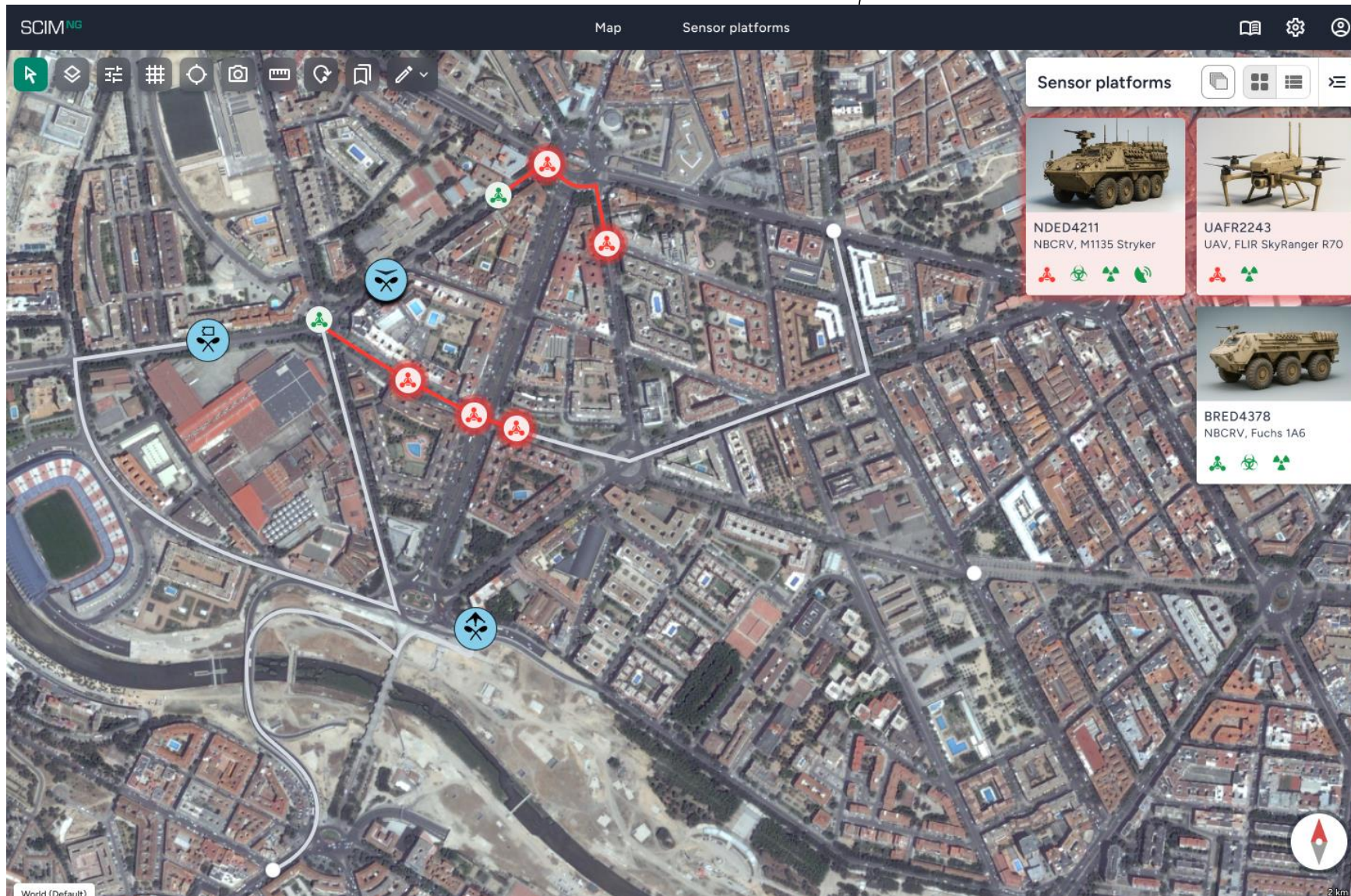
“What happens on the map?”

Trace lines



"What happens on the map?"

Trace lines & alarm pins



Definitions for SCIM® use-cases

SCIM® Edge:

A UI-free module that collects sensor data and sends it via the platform's network to SCIM®.



SCIM
Edge

SCIM®:

Features a user interface to gather data and interact with sensors, directly or from SCIM® Edge, displaying customized sensor info.



CBRN-Analysis
NextGen



CBRN-Analysis
NextGen

CBRN-Analysis with SCIM® module:

Incorporates SCIM® to automatically convert sensor data into CBRN 4's.



SCIM
Edge

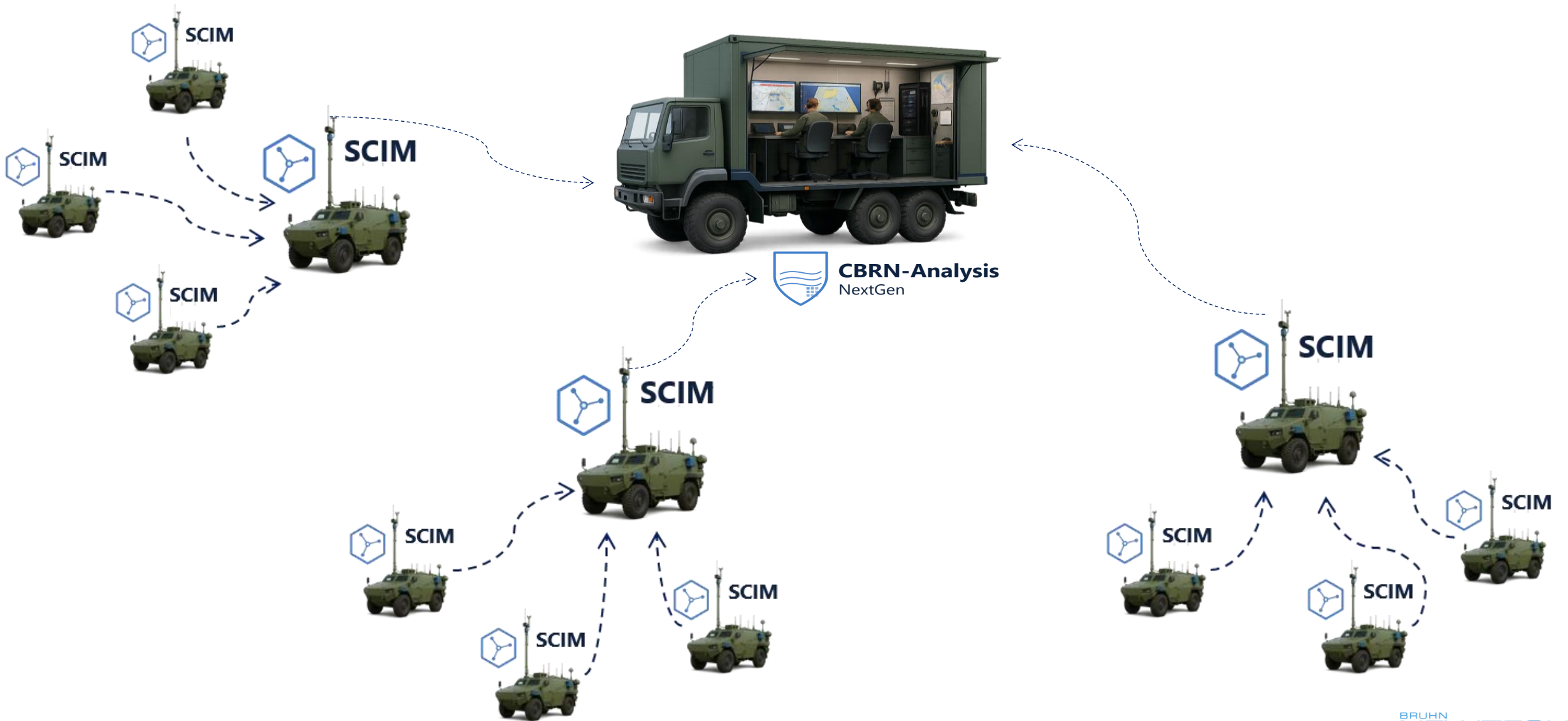


SCIM

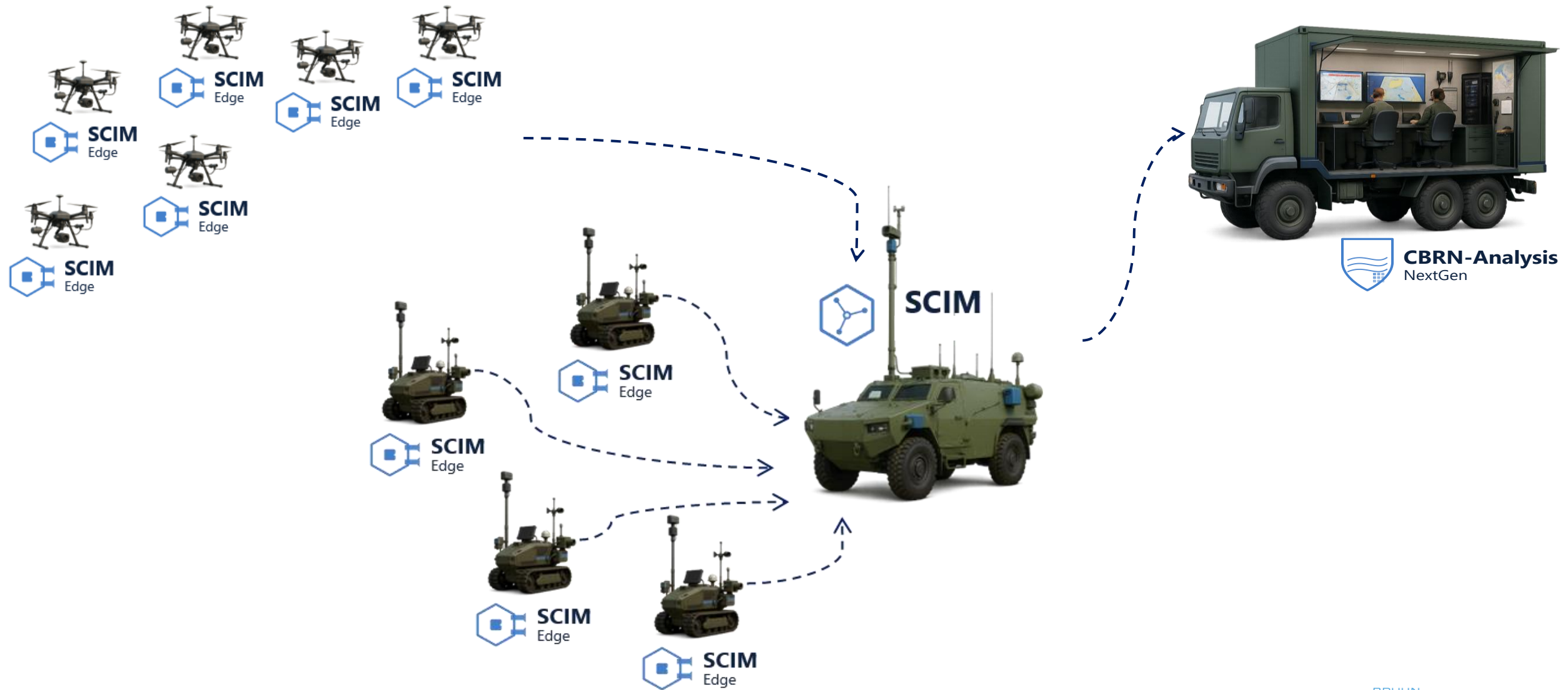


SCIM
Edge

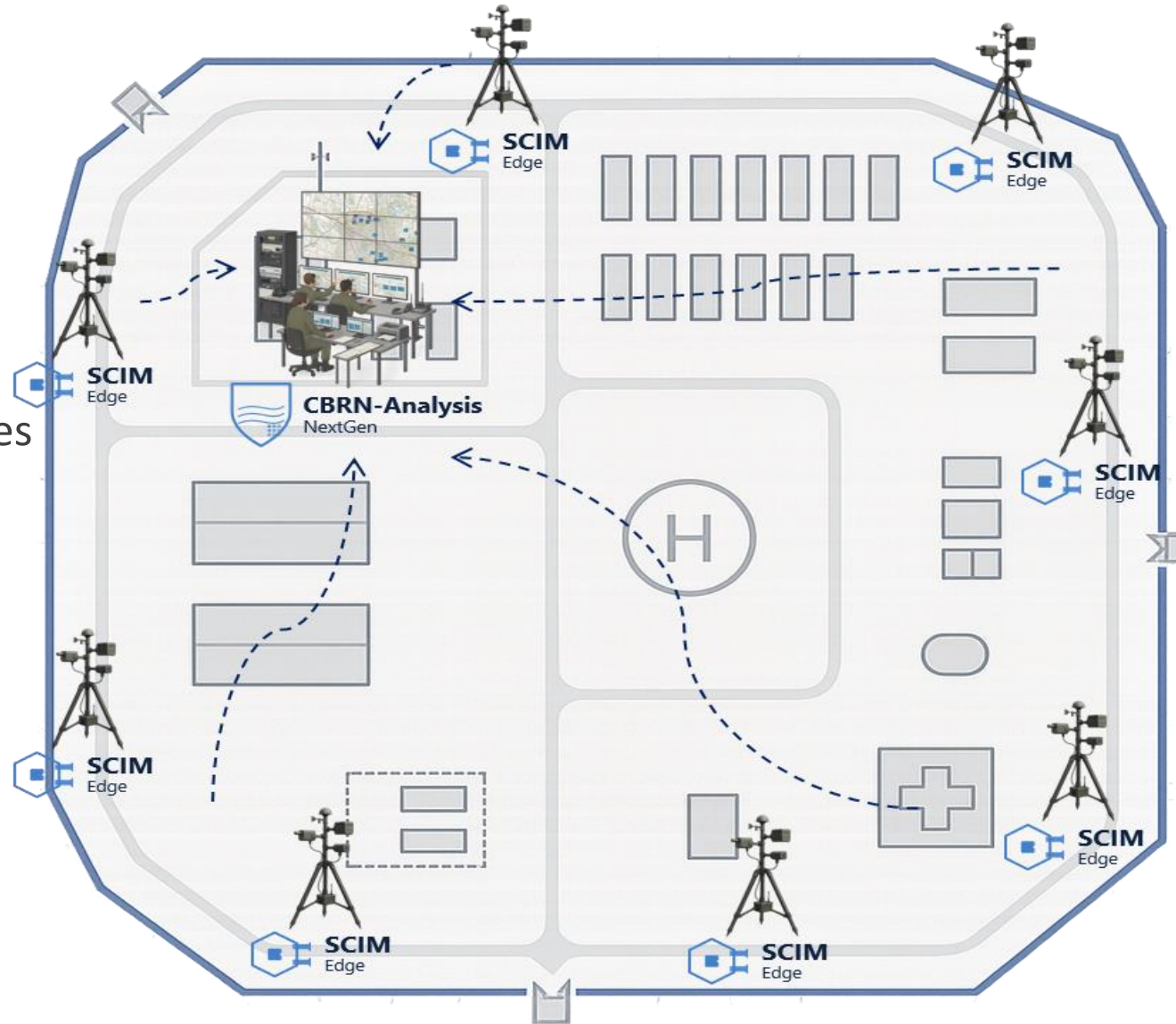
Conventional CBRN reconnaissance



Unmanned CBRN reconnaissance

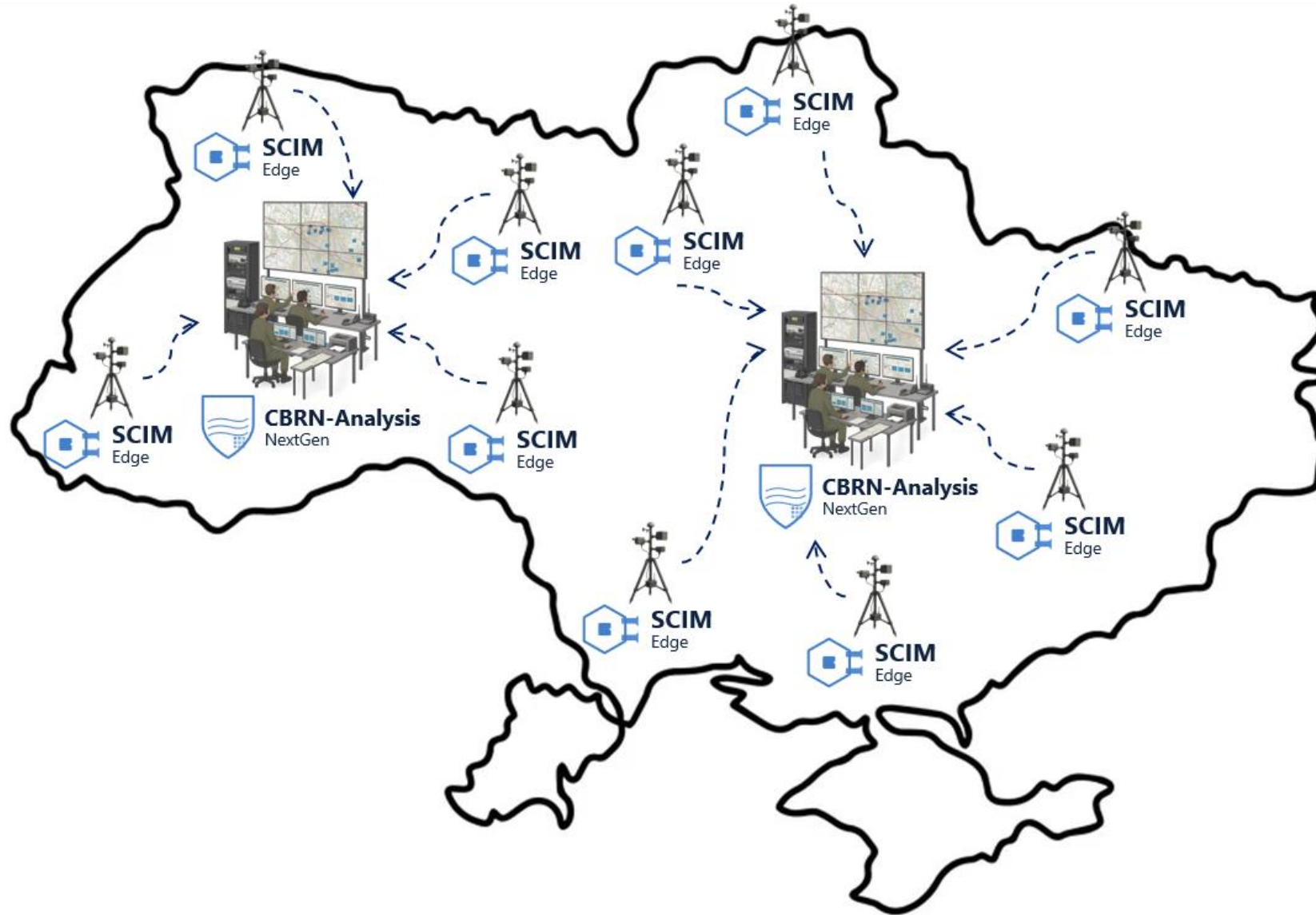


Small scale fixed network of sensors

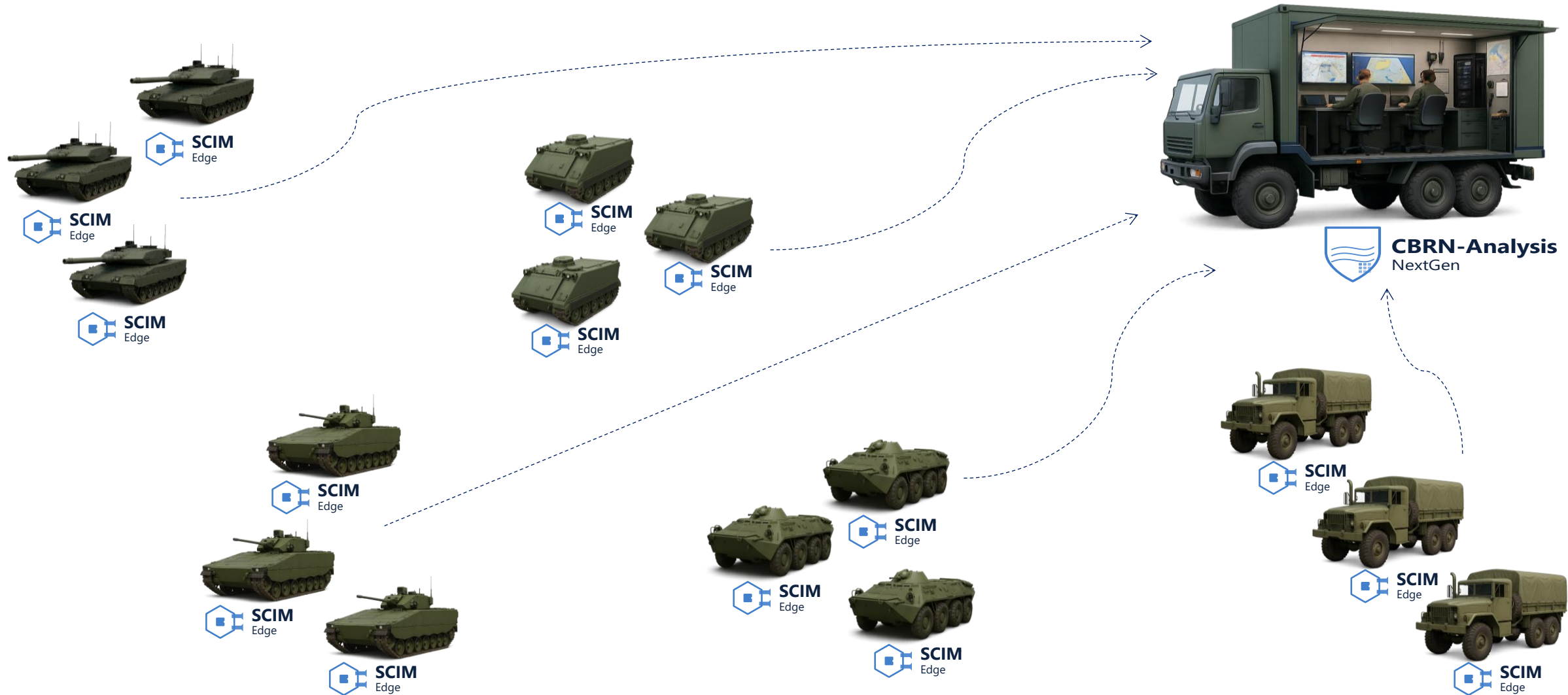


Forward Operating Bases
Fixed Airfields
Large Command HQ's
DOB's
SPOD's

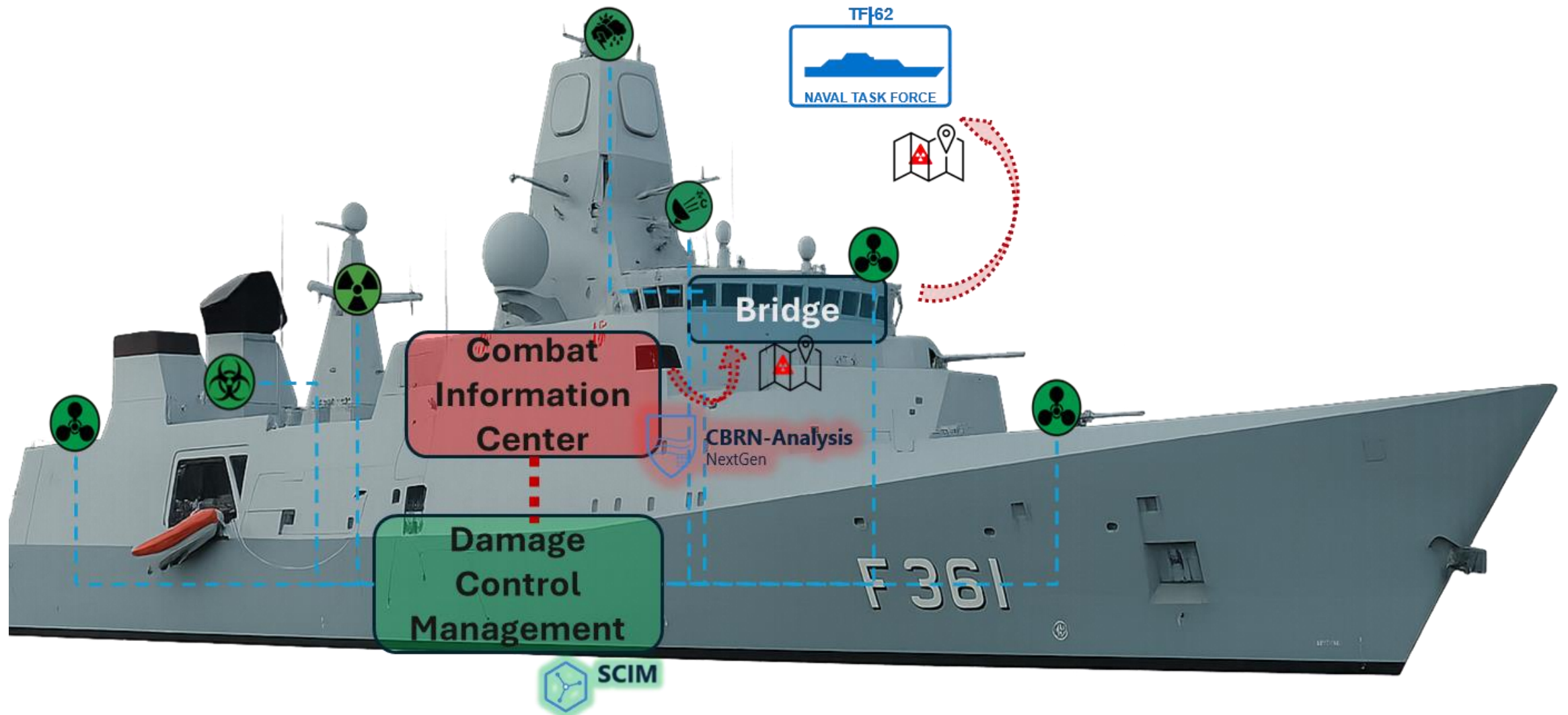
Large scale fixed network of sensors



Large Scale mobile network of passive sensors



Ship-based network of sensor



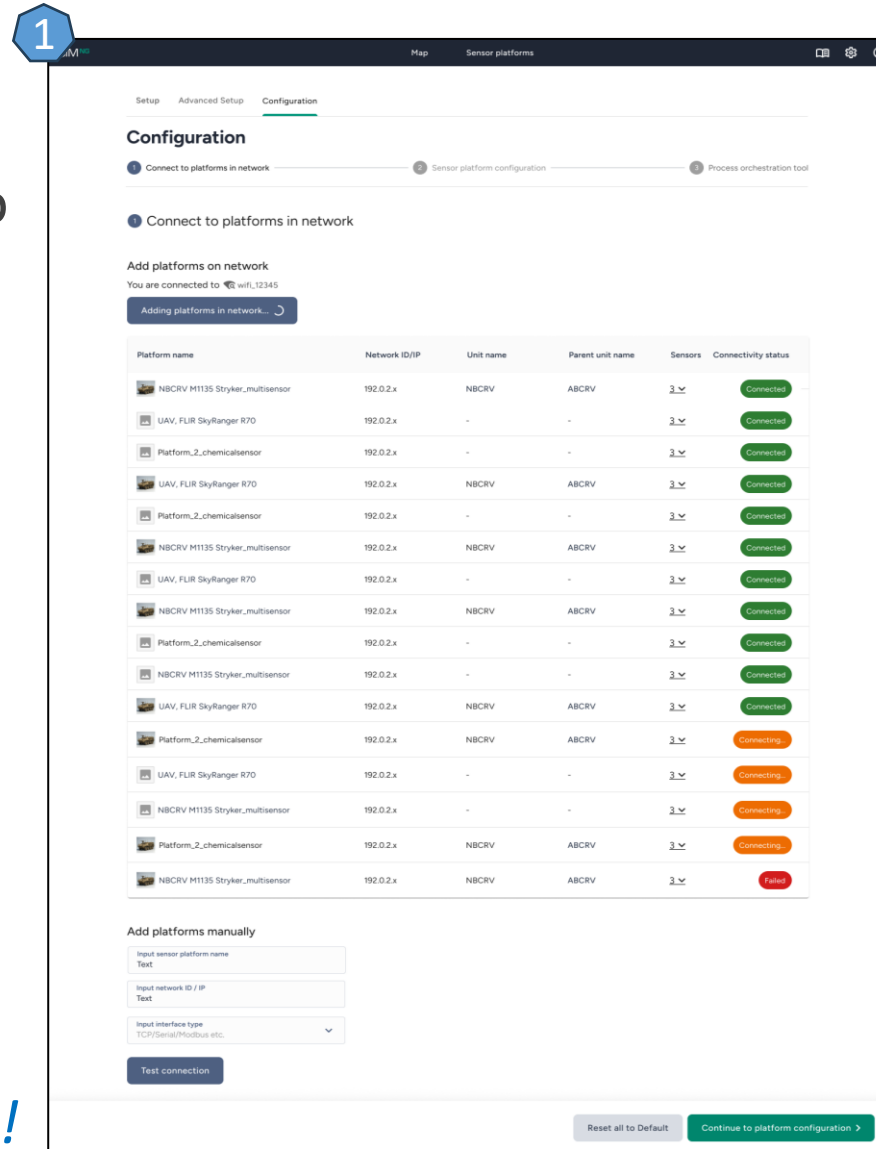
SCIM® Administrator – The Key to Platform Agnosticism

SCIM® Administrator enables advanced operators / admins to adapt SCIM® to fit any operational environment, platform, or mission profile — without custom coding or dependency on BNT tech support.

Planned key features:

1. Auto discovery of network platforms and local sensors

STANAG 4586 as the framework!



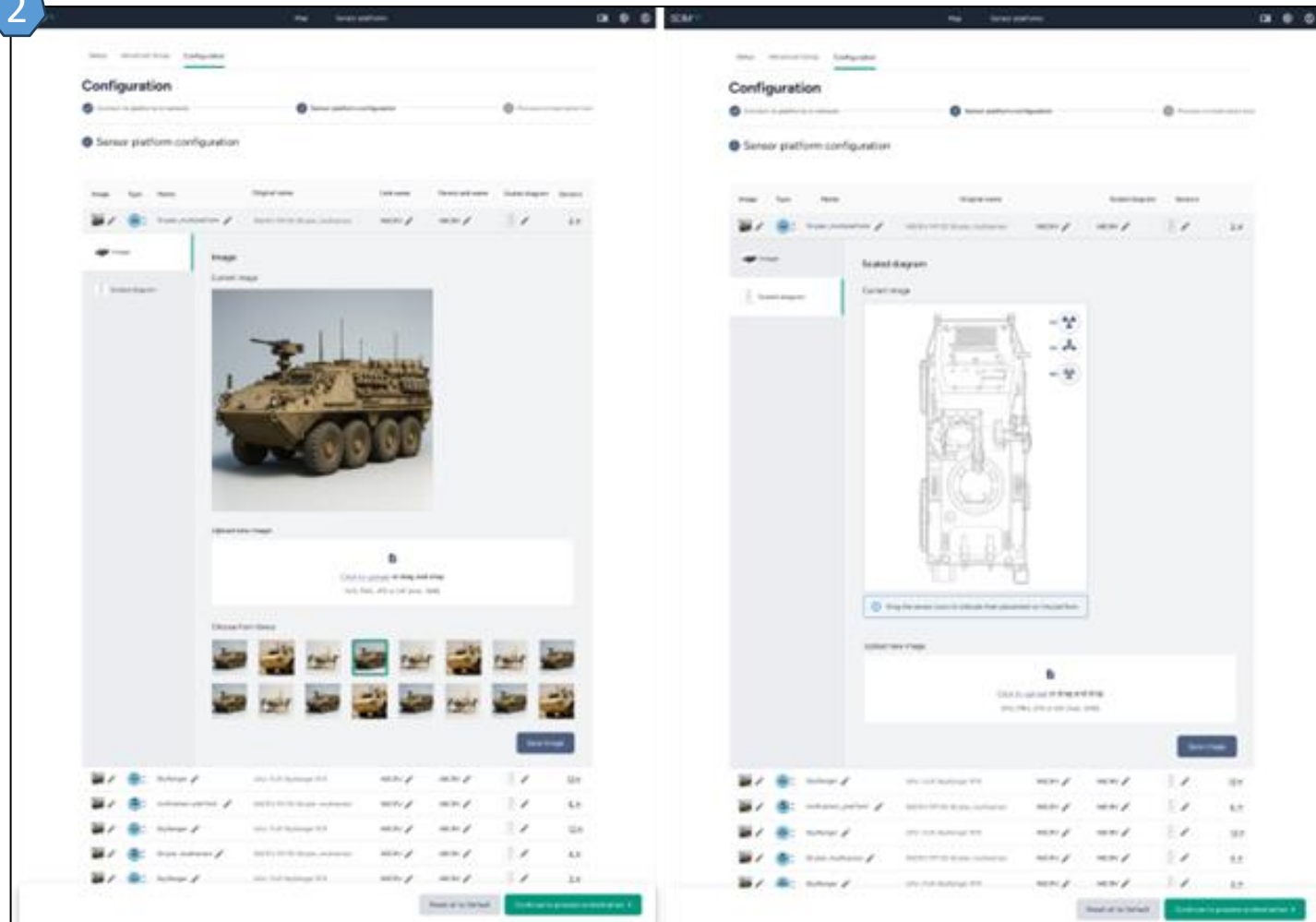
SCIM® Administrator – The Key to Platform Agnosticism

2

SCIM® Administrator enables advanced operators / admins to adapt SCIM® to fit any operational environment, platform, or mission profile — without custom coding or dependency on BNT tech support.

Planned key features:

1. Auto discovery of network platforms and local sensors
2. Custom visual configuration of platform, thumbnail, group, scaled diagram



STANAG 4586 as the framework!

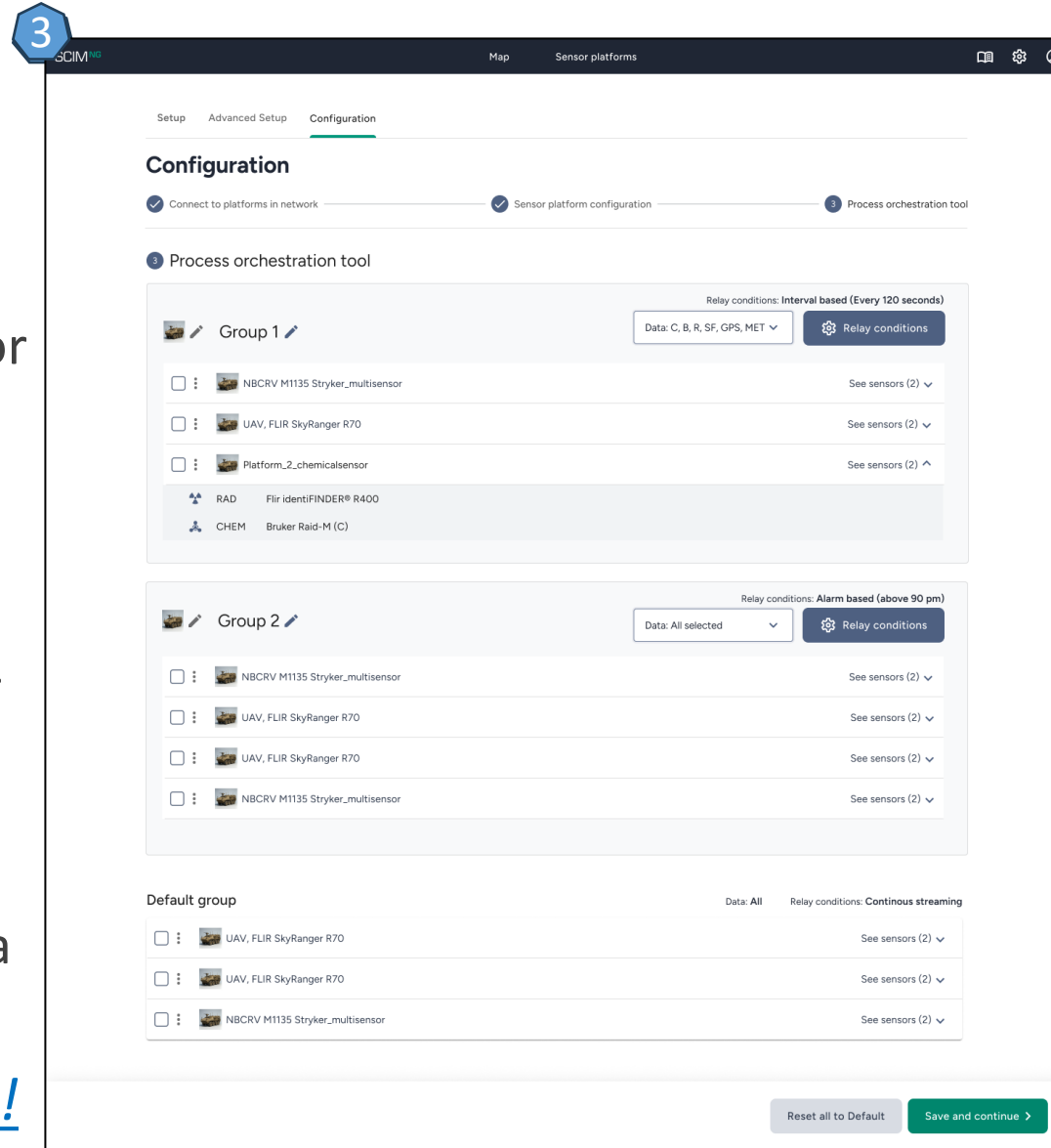
SCIM® Administrator – The Key to Platform Agnosticism

SCIM® Administrator enables advanced operators / admins to adapt SCIM® to fit any operational environment, platform, or mission profile — without custom coding or dependency on BNT tech support.

Planned key features:

1. Auto discovery of network platforms and local sensors
2. Custom visual configuration of platform, thumbnail, group, scaled diagram
3. Intuitive setup of groups, aggregation structure and data relay conditions

STANAG 4586 as the framework!





QUESTIONS



THANK YOU



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