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**NEUWTECH**  
LIFE SAVING SOFTWARE SOLUTIONS

# Sensor Connectivity Integration Management *SCIM*®

# What is SCIM®

## SCIM®

SCIM® (“Sensor Connectivity Information Management”) is a vendor-independent software platform that:

Enables **connectivity to multiple sensor types and brands** in a unified interface.

Collects sensor data continuously and formats it into **standard CBRN messaging**.

Offers seamless integration with third-party applications for further analysis or reporting.

Supports **sensor simulation** via CBRN-Sim for training and testing

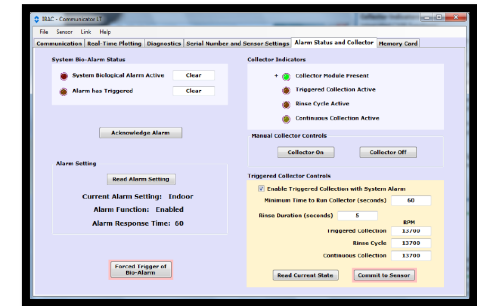
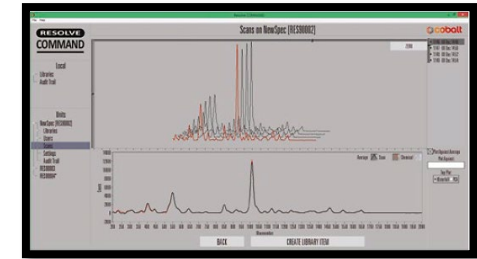
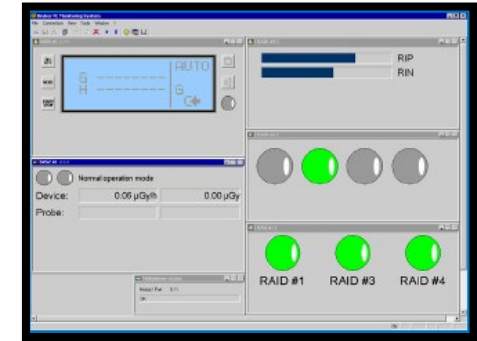
# What are the Recommended Hardware Requirements?

The current hardware requirements for SCIM®

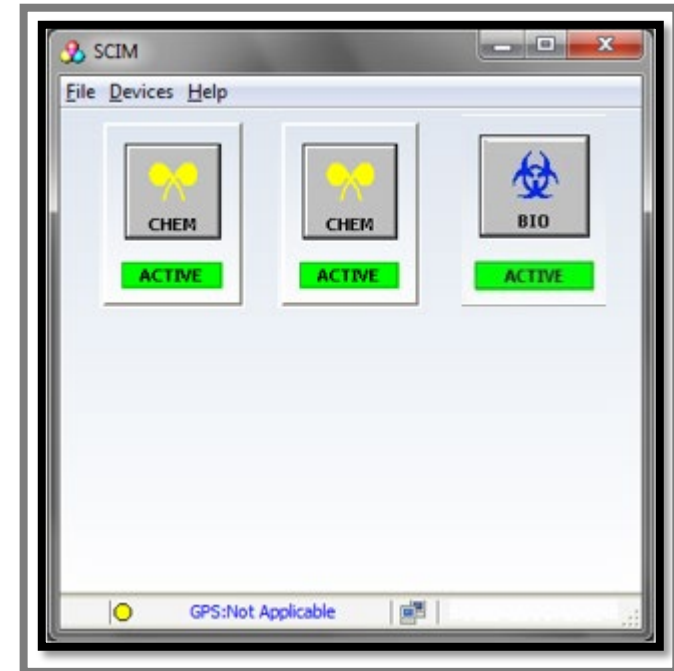
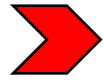
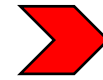
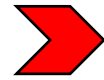
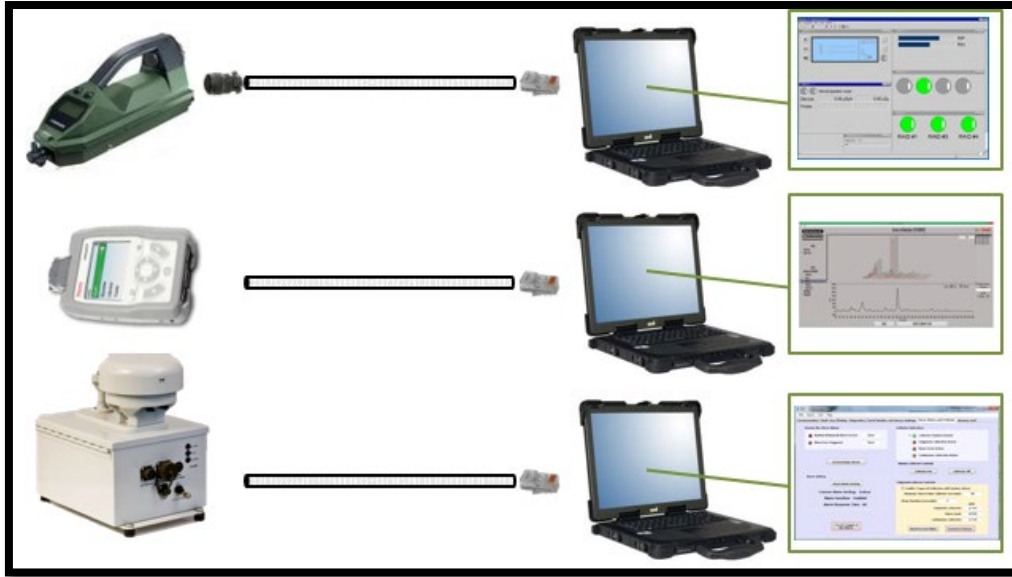
| Components                                  | Recommended                                               |
|---------------------------------------------|-----------------------------------------------------------|
| Processor (CPU)                             | Intel Core 2/AMD Dual Core or higher >1.5Ghz              |
| Graphics/memory                             | ≥32 MB, ≥16-bit colours                                   |
| Screen                                      | ≥1024x768                                                 |
| Free memory (after OS loaded)               | ≥1 GB                                                     |
| DVD-drive                                   | Depending on installation                                 |
| Hard disk space (Application and CBRN data) | ≥1 GB                                                     |
| Network adapter                             | COM/USB ports, network adaptor required for communication |

Note, If the Application must run simultaneously with other software e.g. a model programs, the requirements should be extended accordingly.

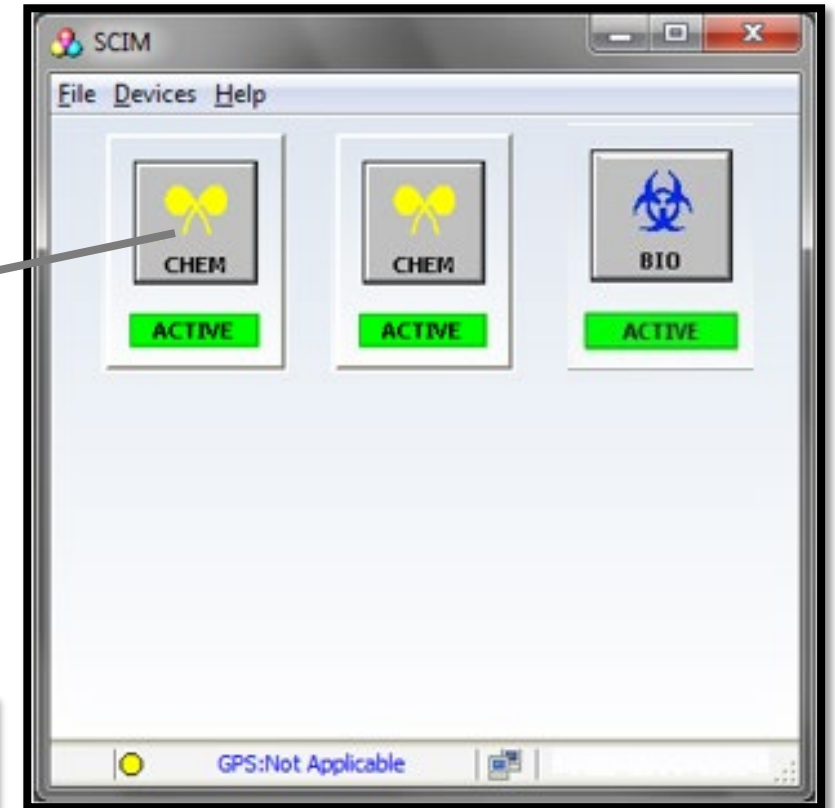
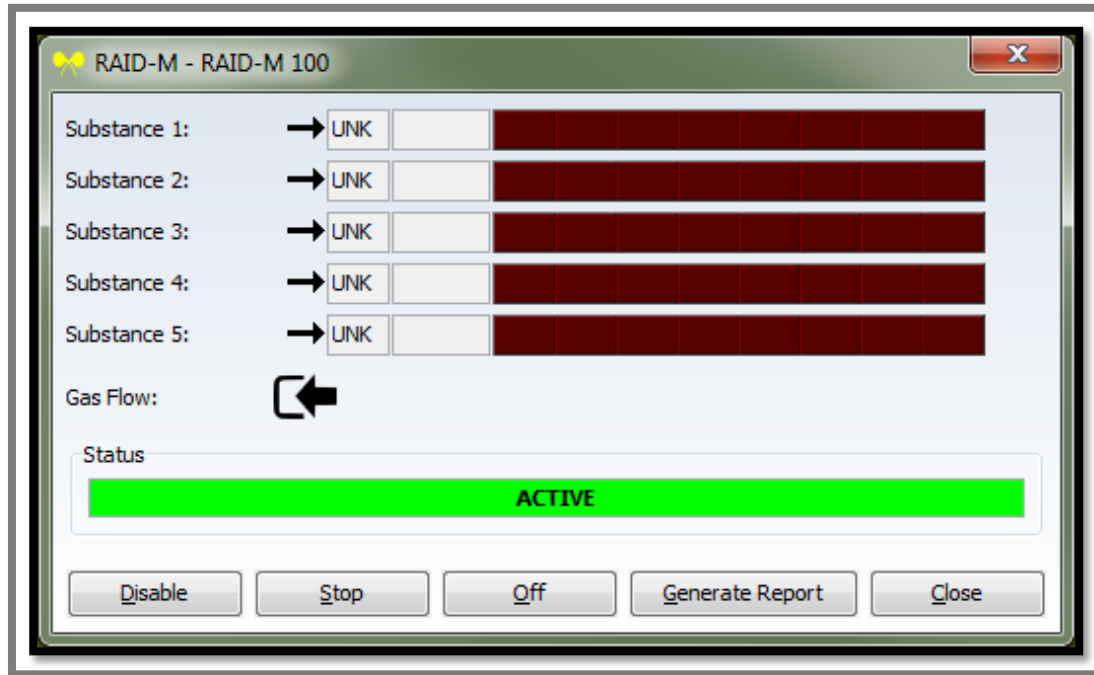
# Why Use SCIM®?



# Why use SCIM®?



# Why use SCIM®?



# Maintenance Log

The screenshot displays the 'Maintenance Log' application window. It features a table with columns: ID, Time, State, Type, Name, Info, Amended, and Cleared. Below the table, a 'Maintenance Log Entry' dialog box is open, showing detailed data for entry ID 2090. The dialog includes a 'Maintenance Log Data' section with various fields like Id, TimeStamp, SystemId, MajorState, MinorState, IsMaintenance, StateDescription, EventType, SensorType, SensorId, SensorName, SensorGroup, Position, and SensorEventXML. It also has a 'Last updated' field, a 'Cleared' checkbox, an 'Amend Text' text area, and 'Amend' and 'Cancel' buttons.

| ID   | Time           | State  | Type        | Name       | Info                      | Amended | Cleared |
|------|----------------|--------|-------------|------------|---------------------------|---------|---------|
| 1376 | 132015ZJAN2015 | ALERT  | Thermo-S... | SpIR-ID GN | The sensor may have be... | -       | -       |
| 1545 | 132022ZJAN2015 | ALERT  | AP4C        | AP4C       | The sensor may have be... | -       | -       |
| 1988 | 132040ZJAN2015 | ACTIVE | AP4C        | AP4C       | Maintenance period.       | -       | -       |
| 2083 | 132044ZJAN2015 | ACTIVE | AP4C        | AP4C       | Power supply to low.      | -       | -       |
| 2090 | 132044ZJAN2015 | ERROR  | AP4C        | AP4C       | Hydrogen empty.           | -       | -       |

**Maintenance Log Entry**

Maintenance Log Data

Id: 2090  
TimeStamp: 132044ZJAN2015  
SystemId:  
MajorState: ERROR  
MinorState: NEW  
IsMaintenance: true  
StateDescription: Hydrogen empty.  
EventType: CHEM  
SensorType: AP4C  
SensorId: AP4C\_MountedExternal  
SensorName: AP4C  
SensorGroup: Mounted operation(External)  
Position: null  
SensorEventXML: <SensorLog>  
<LogEntry Level="2">  
<TimeStamp>2015-01-13T21:44:24+01:00</TimeStamp>

Last updated 132044ZJAN2015      Cleared ☒

Amend Text

Hydrogen refilled

Amend      Cancel

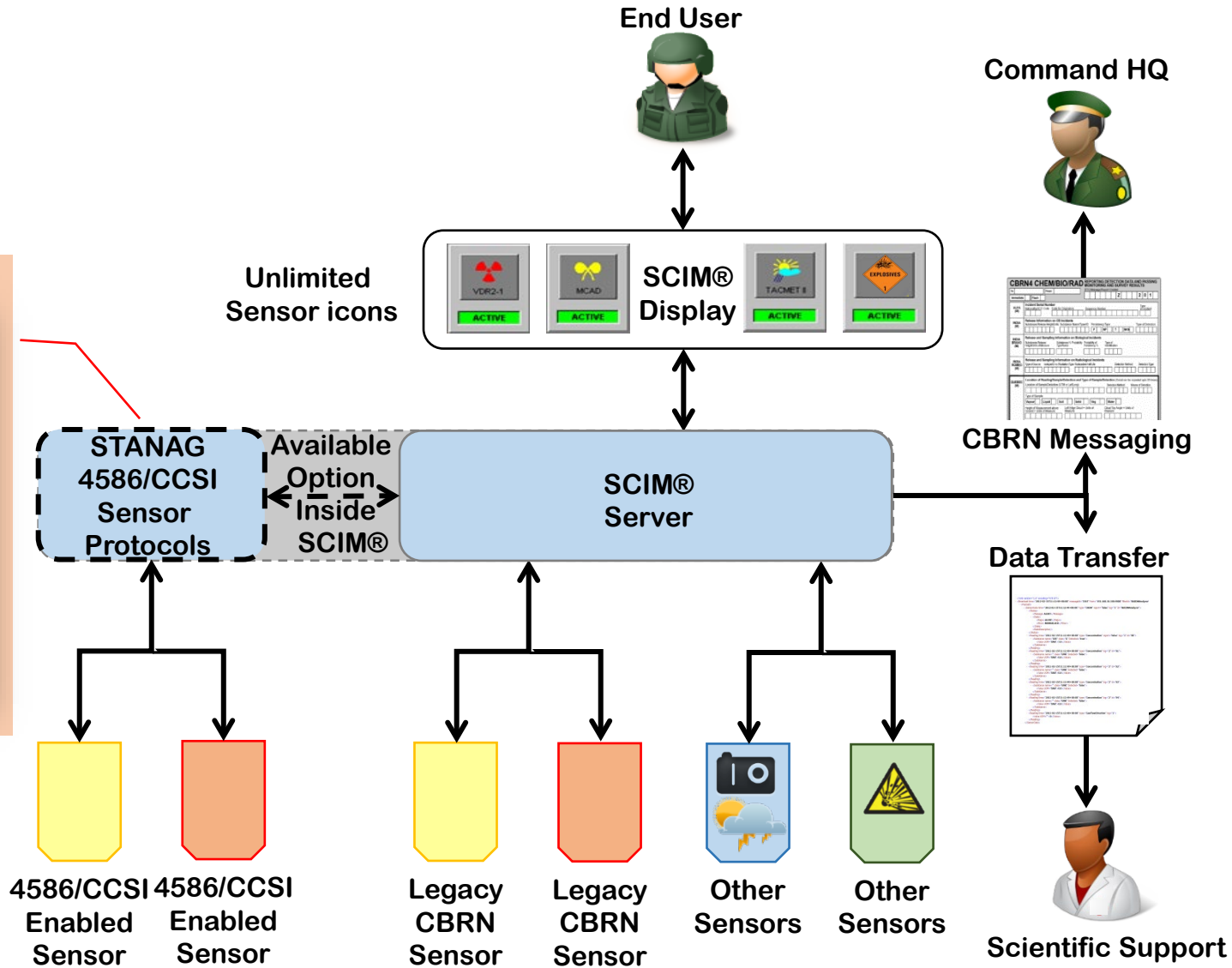
# SCIM® Principals

- Sensor Connectivity
  - Interfaces to sensors
  - Decodes data from sensors
- Sensor Monitoring
  - Analyse data from sensors
  - Shows the current status of connected sensors
  - Provides sensor control: offline, 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 CBRNe Management software



The software is future-proofed by allowing sensors or instruments to be replaced as technology advances or operating procedures change

# SCIM® Diagram





# THANK YOU

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