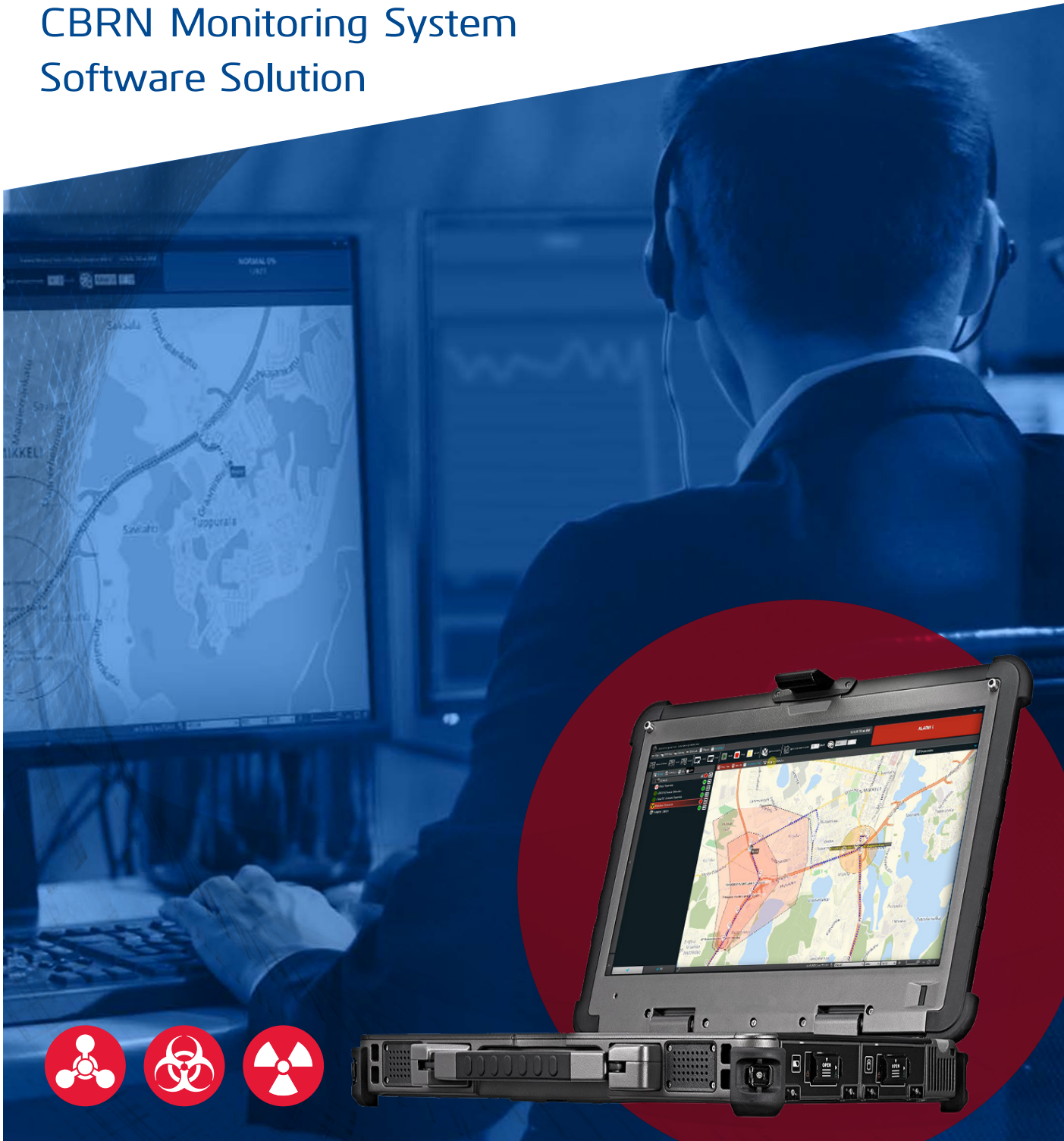


# EnviScreen Operix 2020

CBRN Monitoring System  
Software Solution



- Sophisticated CBRN sensor networking & monitoring system software
- Designed to meet requirements of different CBRN monitoring applications
- Complete solution for CBRN monitoring, reporting, training and system maintenance



Environics

WE SENSE & DETECT FOR A SAFER WORLD

# EnviScreen Operix 2020

## CBRN Dedicated System Software



EnviScreen Operix 2020 is the latest key-product of Environics system-based software, representing the outcome of three decades of experience with CBRN systems. This software combines easy deployment, usability, stability, maintainability and training capabilities.

Compared to the generic software's provided by numerous system integrators, EnviScreen Operix 2020 offers CBRN application targeted tools for CBRN situation monitoring, operator guidance, operator trainings and system maintenance.

### KEY FEATURES

- Real-time situation overview and sensor management from multiple locations
- Integrated scenario planning & simulation tool
- Automatic notifications from system preventive and immediate maintenance needs
- Scalable software – meeting specific customer requirements cost effectively
- Secured, reliable data communication utilizing SSL/AES encryption
- Compatible for wide range of CBRN sensors & measurement devices
- BWA and CWA/TIC detection optimization service

### APPLICATIONS

- Designed to meet operation and system requirements in different type of CBRN monitoring applications:
  - Armoured & light vehicles
  - Naval & marine vessels
  - Tactical area monitoring
  - Shelter & critical infrastructures

## Operator Training

EnviScreen Operix 2020 provides fully updated system operators training tool, designed to maintain the operators' capability to operate EnviroNics CBRN Systems on different situations.

In addition to training of CBRN incidents, it enables creation and training of application specific incidents e.g. saturation of the NBC filtration, problems of vehicle pressurizing and different major and minor sensor failures.

The new enhanced training tool enables the trainer to pre-create simulated scenarios and load them to the system before the exercise. It also allows the trainee to follow and control the exercise in real-time, or just hide and leave it to run on the background.

It is possible to select different simulation modes, run scenarios using real-sensors data together with simulated incidents or just play with the software in class room, with no real devices online.

## Optimized User Interface

EnviScreen Operix 2020 user interface is built over a darker canvas, enhancing visual ergonomics by reducing eye strain, and providing comfort of use at night or in dimmer light environments. The UI was designed to help eliminate human error and offer maximal performance even in high stress situations.

## Maintenance Support

EnviScreen Operix 2020 includes now System Maintaining & Service Tool. It works on the background notifying and guiding the operator whenever the system requires pre-emptive or immediate maintenance. It helps to keep the system online 100% of the time, with maximum detection performance.

This is only possible due to decades of CBRN knowledge and complete COTS EnviScreen System solutions available from EnviroNics.

## BWA & CWA/TIC Optimization

With system logged sensor data sent to EnviroNics, our specialist are able to create update libraries to optimize EnviroNics BWA, CWA/TIC detection performance. This can help reduce e.g.false positive alarms on difficult detection environments.

## Sensor Support & Integrations

EnviScreen Operix 2020 is compatible with a wide range of CBRN sensors and analysers. This enables the best possible detection capability for different environments and applications. Even though an already wide range of sensors supports the system, its design provides possibility to cost-effective and easy new sensor integrations. Critical data can be sent or received from other systems, such as building, automation and C4 systems.

## Mission Recording

EnviScreen 2020 features a new tool for mission recording, enabling the collection and presentation of mission specific data. This data can be viewed and accessed afterwards or extracted to movable media, allowing for mission reporting and printing.

## Network Security

There is always possibility of espionage on the system. By utilizing proven and robust encryption methods EnviScreen Operix 2020 ensures that data is transferred in a safe, and effective way to the control centre.



# Technical Features

## Training

- Integrated CBRN scenario planning & simulation tool

## Reporting

- Web Reporting Service for CBRN alarm report generation and printing
- Mission recording for data collection in vehicle and tactical applications
- NATO ATP-45 reporting and AEP-45 procedures for display of CBRN hazard information

## Integration

- Integration SDK for 3rd party API software integrations
- Modbus Gateway for Process- and Building Automation System integration
- Hardware, protocol, and application level integration to 3rd party Command & Control Systems
- Design to meet any plume modeling and analyzing integrations and development

## UI Graphical Features

- GeoServer web map service for geographic map data
- Easy to fill instructions templates for automatic operator guidance
- User management with user roles and different levels of access
- Design to present plume forecasts and analysis on map interface, using surveillance, sensor data and different plume calculation models

## Maintenance

- System Maintaining & Service Tool notifies for system preventive or immediate maintenance requirements

## Security

- Secured, reliable and fast communication methods for wired and wireless solutions by utilizing SSL/AES encryption



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