SafeZone

Keeping you safe from CBRN-hazards around the clock
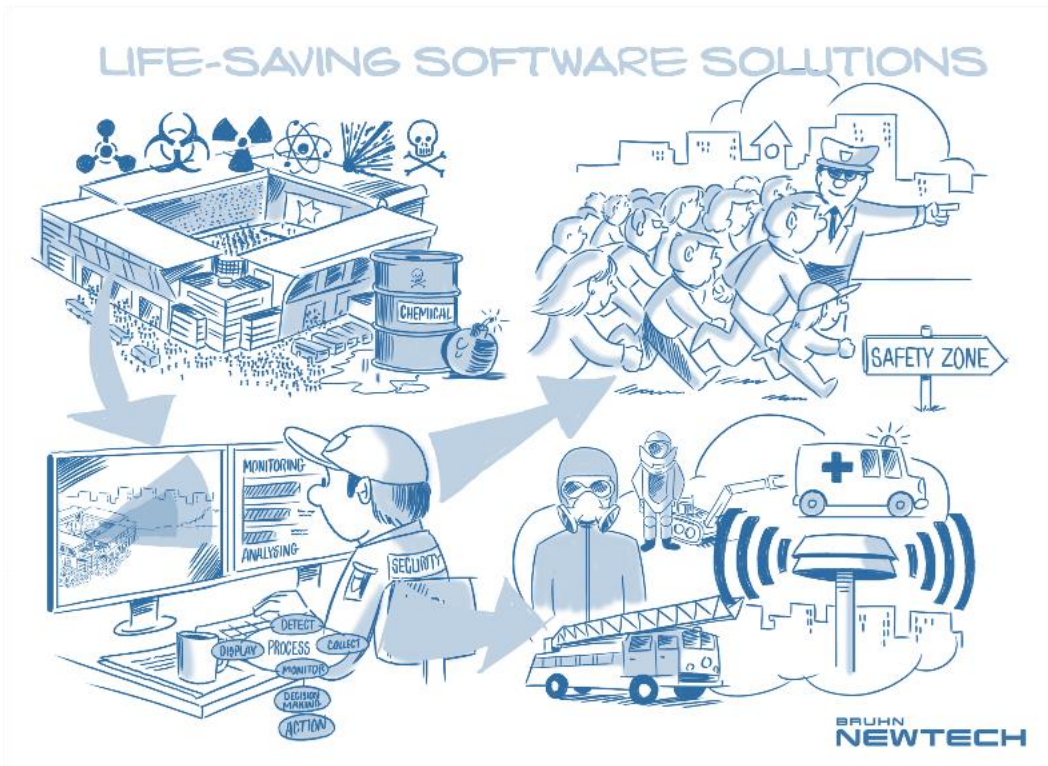
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OVERVIEW OF SAFEZONE

The threat from Chemical, Biological, Radiological and Nuclear (CBRN) incidents are moving **from military battlefields into urban areas**. Human, societal and financial impact would be devastating and the invisible and widely dispersed hazards extremely difficult to neutralize once airborne.

We have developed our SafeZone solution as a fully automated CBRN management tool that **guides security officers and first responders** through every step of understanding and managing CBRN risks as well as preventing mass casualties.

SafeZone Solution

- Response plans (evacuation / rescue) defined in 30 seconds after hazard alert.

- Response system integrated with HVAC / fire systems to contain invisible threats.

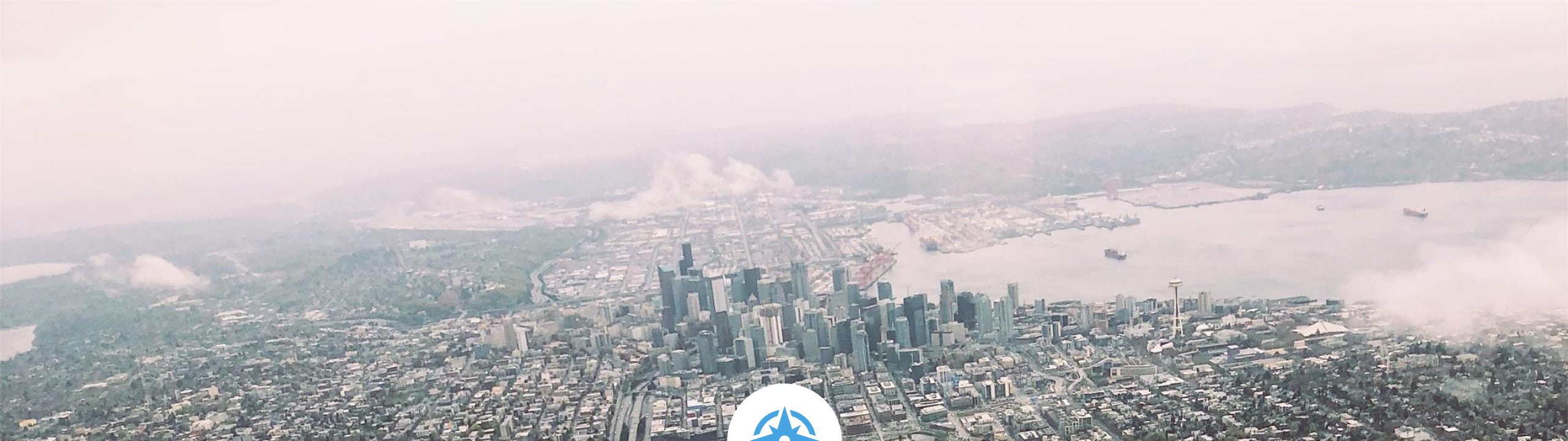- Interoperable by design, supporting 50+ sensors from 20+ global manufactures.

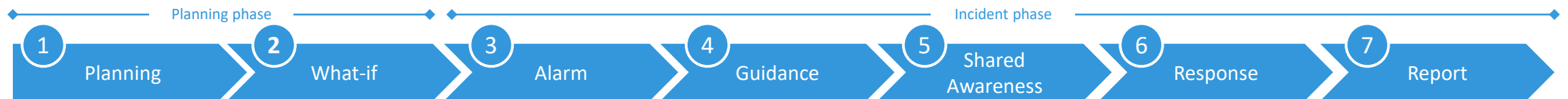- Highly-robust military-grade assets ported to be used by and protect civilians.

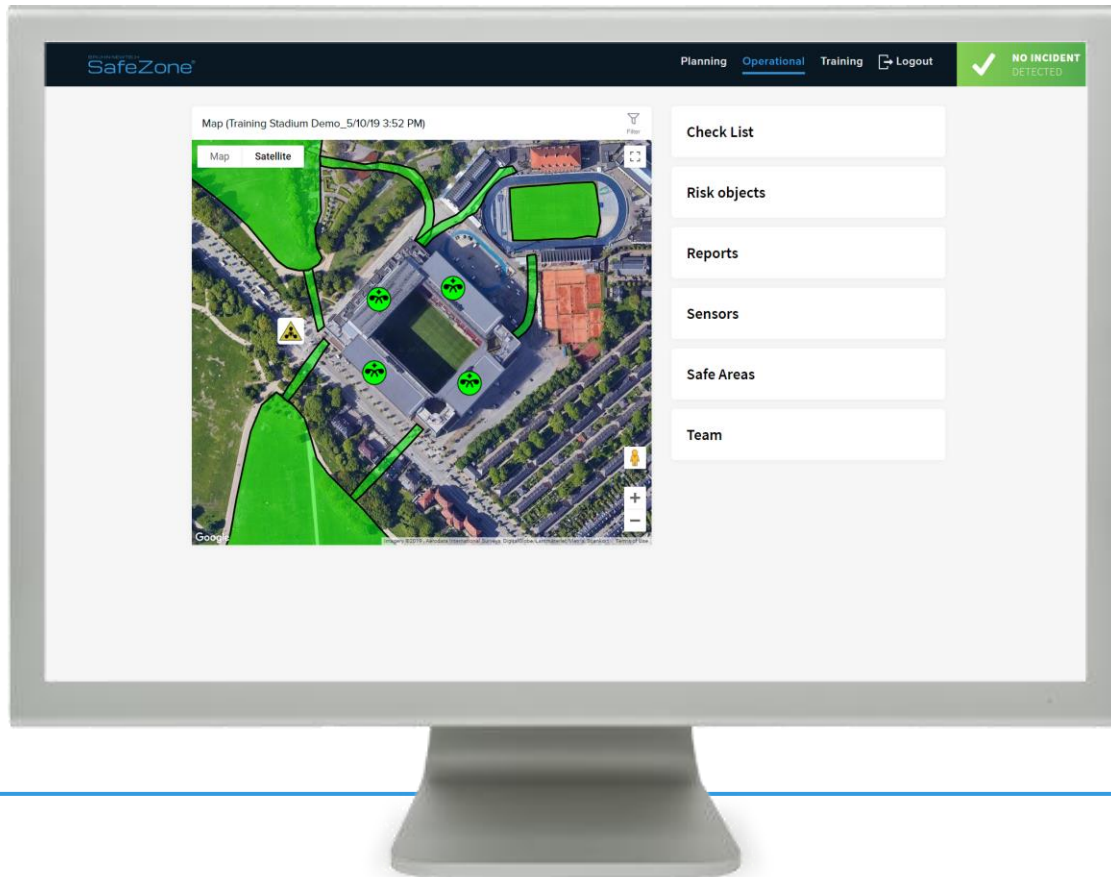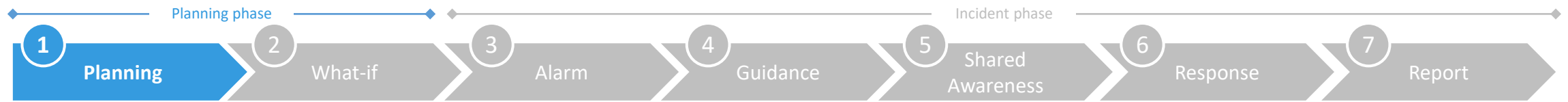- Joint detection & indoor prediction models to update plans in real-time.

- Public emergency services auto-notified on the specificity of the CBRN threat.

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SafeZone Timeline

Incident phase

1 Planning

2 What-if

3 Alarm

4 Guidance

5 Shared Awareness

6 Response

7 Report

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Incident Management in real time

Prior to deploying SafeZone, a site survey has established fixed sensor placements and response plans. The map shows the location of:

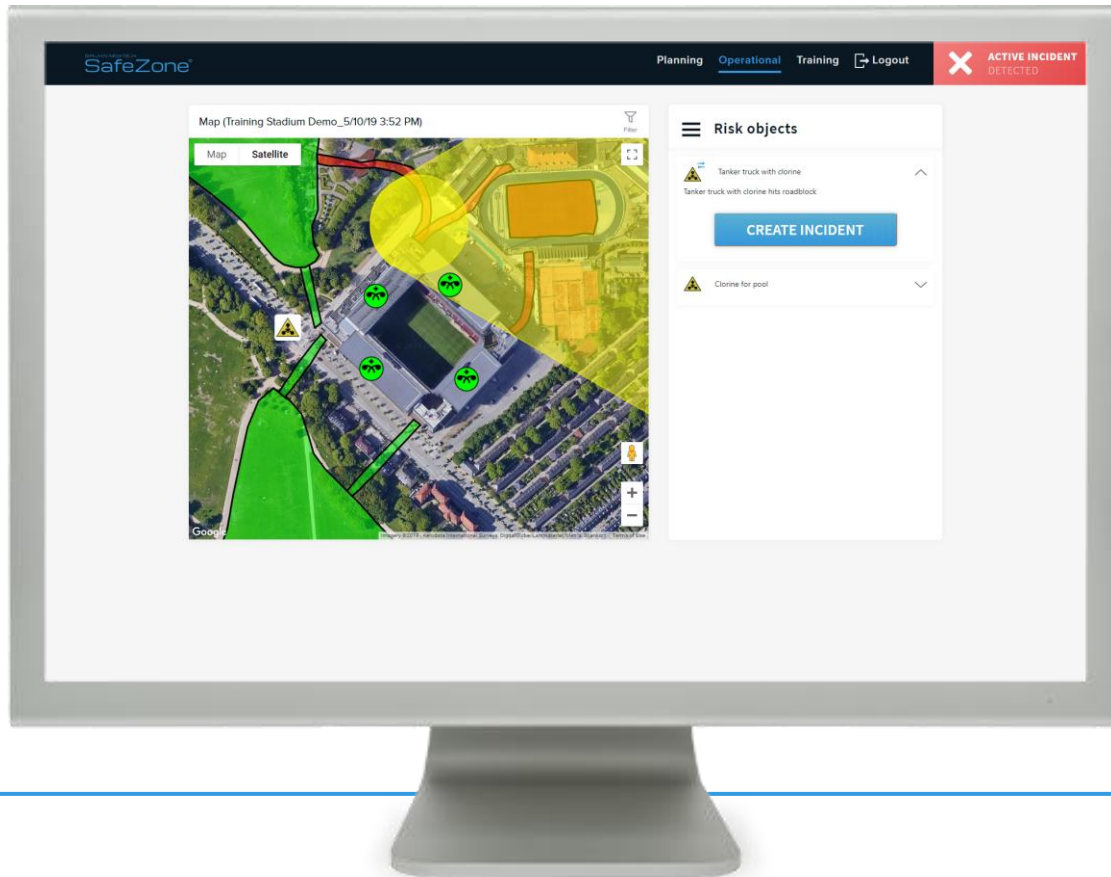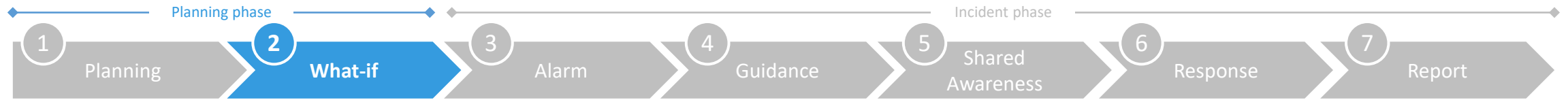Fixed and mobile P-sensors and their status

Evacuation routes and planned safe areas

Pre-planned potential risks

Based on this picture, personnel can monitor the current situation.

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Incident Management in real time

1 Planning | **2 What-if** | 3 Alarm | 4 Guidance | 5 Shared Awareness | 6 Response | 7 Report
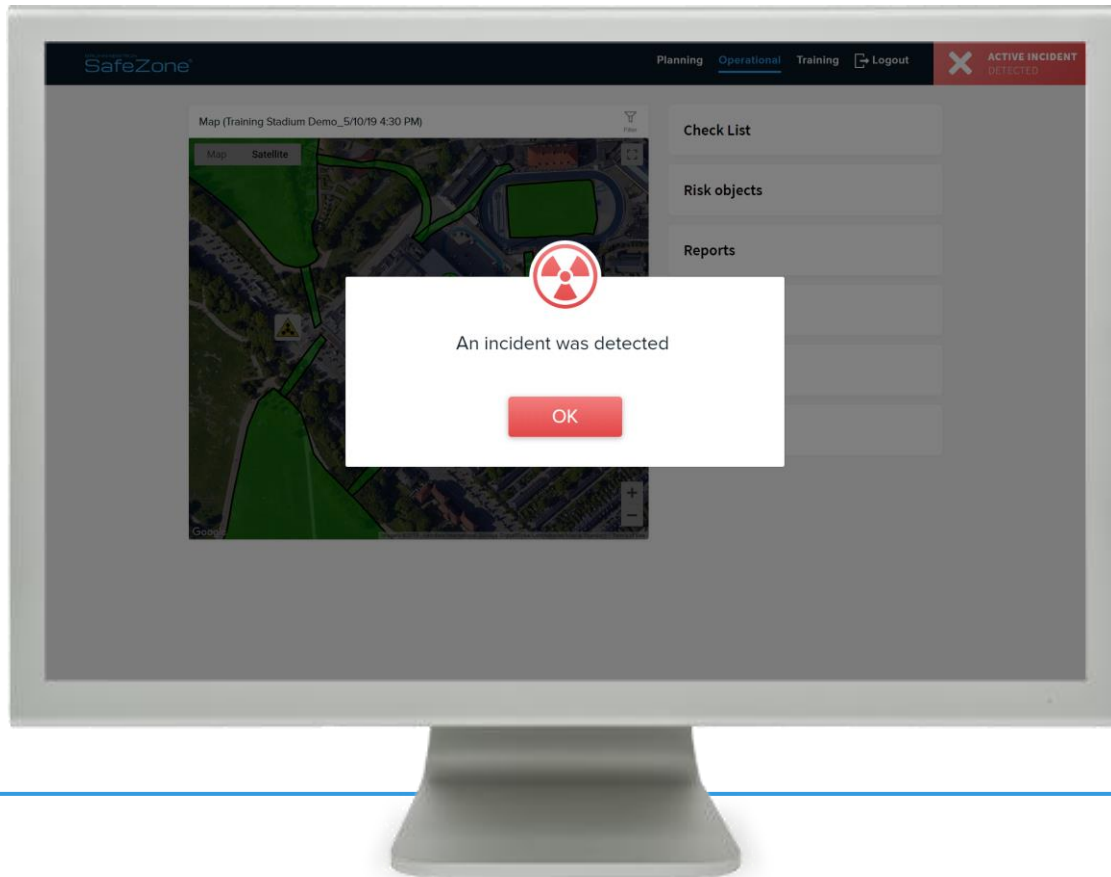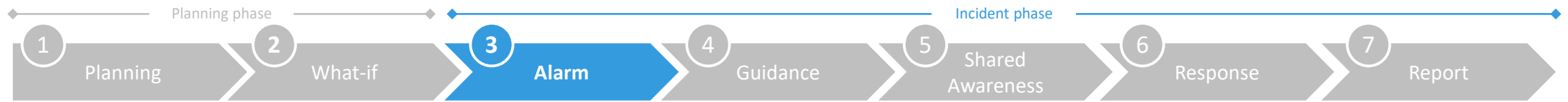

Any pre-planned risks can be evaluated by creating a what-if analysis to see the potential hazard if an incident should occur.

Hazard areas can be based on current or forecast weather and the resulting evacuation plans can be determined.

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Incident Management in real time

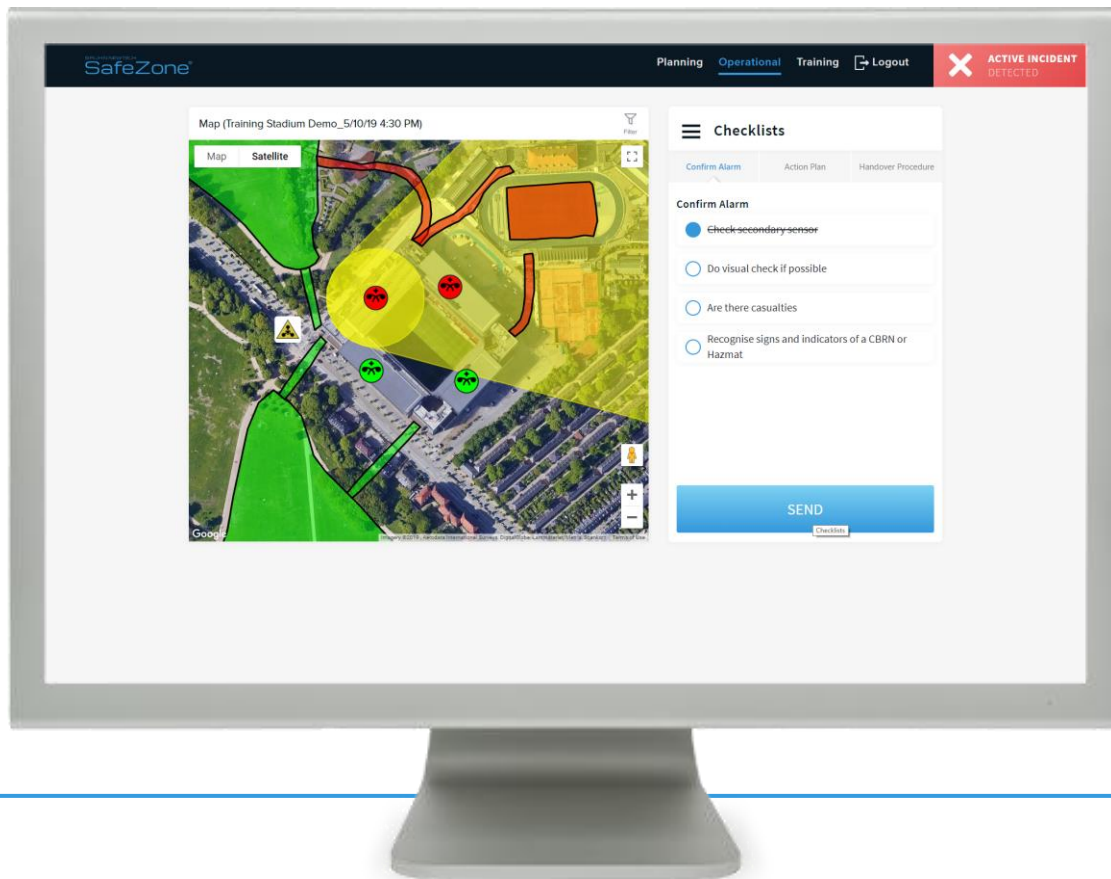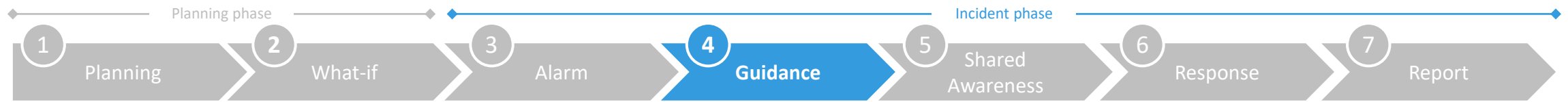1 Planning   2 What-if   **3 Alarm**   4 Guidance   5 Shared Awareness   6 Response   7 Report

A sensor has detected a dangerous airborne substance

In the control room: The security guard hears an alarm on the selected speaker/headphones in control room

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Incident Management in real time

1 Planning **2** What-if **3** Alarm **4** Guidance **5** Shared Awareness **6** Response **7** Report
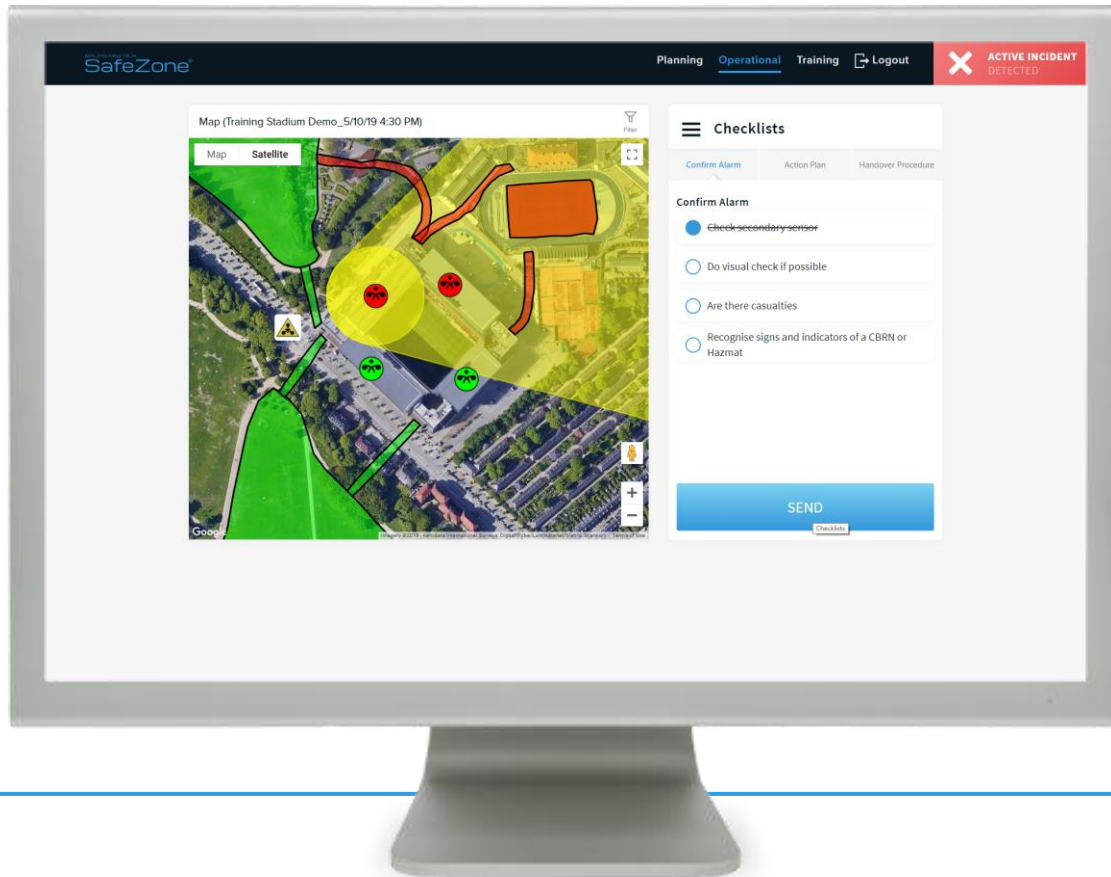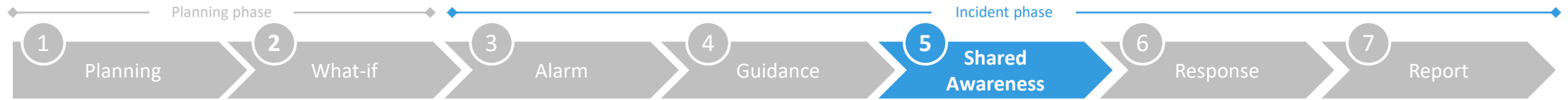
Safezone provides an **immediate visual overview** of the situation and the direction towards which the hazard is moving.

The relevant **Checklist** is shown to guide response following pre-defined plans.
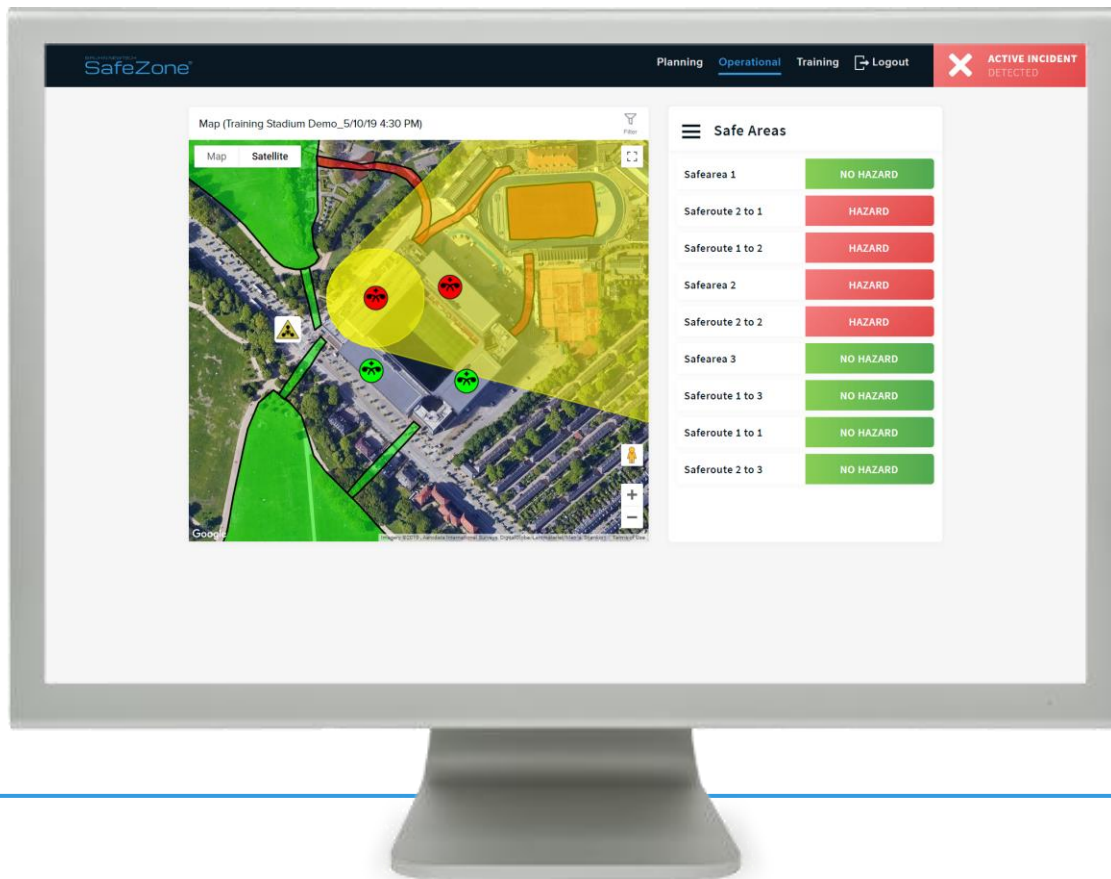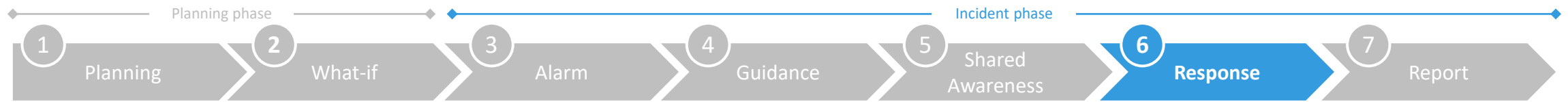
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Incident Management in real time

1 Planning   2 What-if   3 Alarm   4 Guidance   **5 Shared Awareness**   6 Response   7 Report

On-site: Security personnel on ground can **assess the real on-going situation** and share status by **checking items on their app**. As actions are ticked off by control room staff or deployed teams this is instantly visible to all.

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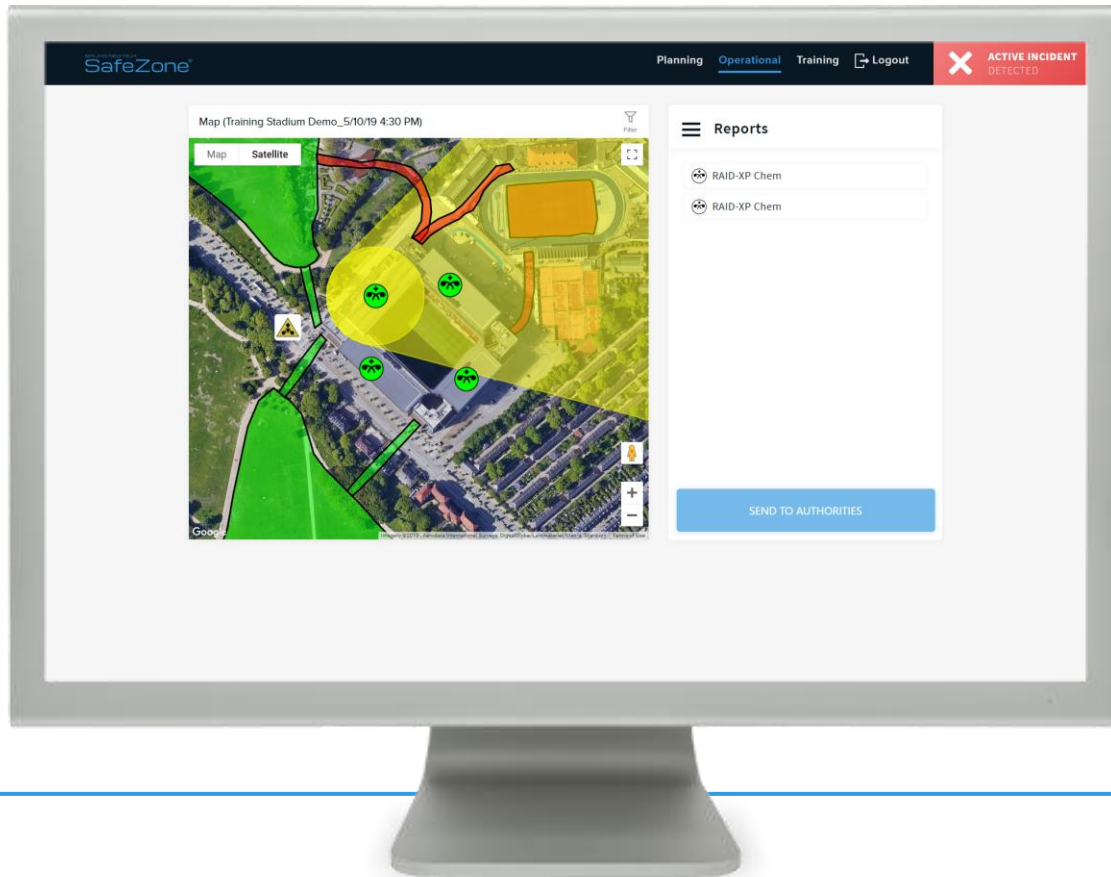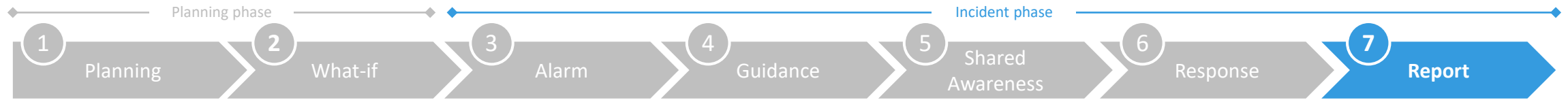
Incident Management in real time

The situation is clearly displayed and the sensors that detected a threat are now in red.

Hazard areas (yellow) and routes (red) that are in danger are clearly visible

The feature **Safe Areas** provides an intuitive list of safe areas and evacuation routes

Incident Management in real time

The relevant authorities can access SafeZone to monitor events remotely.

Safezone´s **Report section** can also be used to distribute a full report of the incident providing details to emergency services either automatically or on demand.

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THANK YOU

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