

PlumeSIM-SMART™

A powerful, cost effective training system that provides you with the capability to deliver practical, highly engaging Tabletop and Live Field training exercises incorporating gaseous, radioactive, Hazardous Material (HazMat) and Chemical Warfare Agent (CWA) threats and releases.

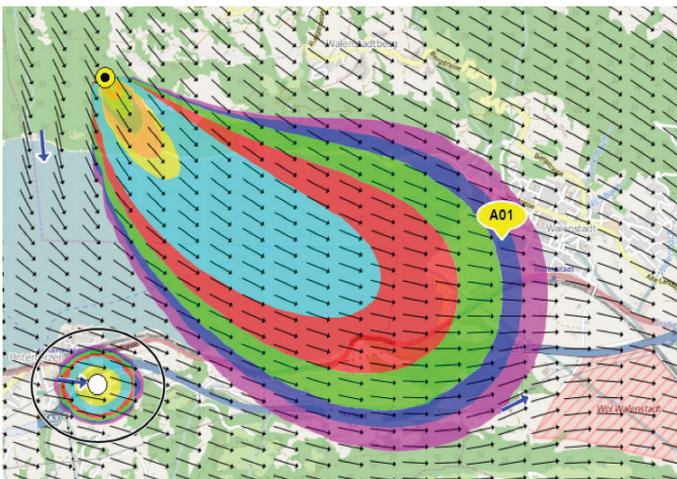


Effective, engaging training made easy -

PlumeSIM-SMART enables you to select threat substance, release type, timing and duration. You can also configure meteorological conditions and modify wind direction and velocity at different locations in real time during the exercise to affect plume dispersion.

Rapidly deployable scenarios involving Nuclear reactors, radiological sources / devices, industrial / petrochemical facilities and toxic substance releases can be saved as libraries for future use and shared with other users.

Powerful App based simulation instruments respond in real time according to the evolving simulated threat environment and characteristics / configuration of the simulated detector while your students manoeuvre throughout the exercise area.



Exercise Control (EXCON) showing plume release, radiological "hot spot", simulated wind field and student surveyor (icon A01).

PlumeSIM-SMART simulates:

- Single or multiple threats / releases
- Radioactivity, Radioactive compounds, TICs / TIMs and CWA
- Real time plume variation to changes in wind direction and velocity
- Hot spots, static emissions, hidden / activated radiological dispersion devices, puffs and plumes
- Evaporation, deposition, persistency, radioactive fallout and decay
- Sources comprising Individual or multiple radionuclides
- Foot, fixed or vehicle based survey / monitoring / reconnaissance
- Placement of water barriers to restrict Plume from sensitive areas

PlumeSIM-SMART supports:

- Tabletop and large (up to 2,500 square Km) Field Exercises
- Multiple survey teams and simulators
- GIS Mapping and "home-made" maps for sensitive missions.
- Wide variety of simulated detection instruments
- Offsite response plan verification

Simulators available for:

- Radiological Survey
- Radiological Dosimeter
- Multi Gas with user selectable sensors including PID, and O2.
- Chemical Warfare Agent Detectors

A powerful, cost effective Tabletop and Field Exercise training system

Tabletop exercises brought to life

- Students manoeuvre using a virtual gamepad and view simulated readings based upon the threat and their location – no more passing written notes with pretend readings!
- Instructor selectable student views of meteorological conditions, threat, threat location and plume dispersion facilitate a highly engaging learning environment.

Field Exercises get serious



- Simulated field readings experienced in real time
- GPS tracking monitors and records student movement whilst their simulated readings indicated at EXCON in real time.
- GPRS cellular radio link ensures reliable, large area operation.

Evaluate survey teams, cell controllers, senior commanders and management

- Survey teams can report readings to facilitate hazard prediction using your standard warning and reporting software; enabling cell controllers to provide senior officers, commanders and management with valuable information for decision making.
- Hazard predictions can be compared to the simulated threat to determine the veracity of the survey, threat measurement, communication, hazard prediction and decision making process.

After Action Review (AAR) facilitates effective Table Top and Field Exercise learning outcomes

Powerful AAR permits review of the entire exercise or specific elements. Breadcrumb trails allow you to demonstrate and discuss survey routes, time taken, personal dose management and information collected and communicated. This enables you to debate instructions given, decisions taken, and their subsequent consequences / impact as a result of the simulated readings and hazard predictions. Accurate exercise reports enable you to demonstrate response veracity to senior management and regulatory authorities.

Packaged to meet your needs

Our comprehensive subscription scheme enables your organisation and associated stakeholders to rapidly benefit from this world class training system with minimal investment.

