

The SIM-Teq Advantage

100% safe and provides realistic and high radiological hazard conditions.

Each instrument is an OEM perfect replica incorporating features to reach optimal training fidelity.

Significantly improves training by allowing the instructor to teach, observe, and assess the trainee, with the ability to remotely manage or control any SIM-Teq device at any time.

Next-generation drone and robotic-based detection, Man-portable Radiological Detection Systems (MRDS), and advanced identification systems are all available.

Sources allow for up to 5 radioisotopes for identification and intensity including SNM (instrument dependent).

Up to 10 sources and 40 instruments in the same training environment.

Designed, developed, and manufactured in the USA.



SIM-Teq.com

SIM-Teq®

Risks Of Using Real Radioactive Material For Training

Risk to trainers and trainees. Live sources are not consistent with the 10 CFR 20 ALARA standard, resulting in both potential regulatory and future civil liability.

Not possible to simulate contamination in a safe and realistic manner.

Risk of loss or damaged sources during use.

Not feasible to use real isotopes and quantities of concerns such as Curie levels of AM-241 or Pu-239.

Transportation risk

Cost

There Are Two Paths To Strong And Decisive Radiological Response—Advanced Training Or Learning From Costly Mistakes.

Optimal For

Radworkers
First Responders
Radiation Technicians
DOD
CBRNE
Academia



Radiation Safety Training Simulators

Atlantic Nuclear www.atnuke.com

tel 781-878-9118

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REALISTIC

- Highest fidelity of real instrument performance.
- Replicates actual radiological behavior.
- Can simulate very high-danger radiation levels.
- All sources capable of gamma, neutron, and 5 isotopes (for RID systems) including SNM.



COMPREHENSIVE CONTROL

- Auto-response and manual override with real-time feedback.
- Exchange trainees/devices between instructors anytime.
- Software facilitates cross-organization inter-operability.

ADAPTABLE

- Add new instruments seamlessly.
- Technology can be adapted for inter-operation with 3rd party platforms.
- Continuous system enhancements and expansion.

SCALABLE

- Create radiation/contamination simulations from centimeters to kilometers.
- Utilize multiple sources and detectors.
- Train individuals, teams, and large groups.

CLIENT DEVELOPMENT

SIM-Teq is currently deployed at navy shipyards, Newport News shipbuilding facilities, 30+ nuclear power plant training facilities, national laboratories, & numerous domestic and international organizations.

“The SIM-Teq products give our technicians unparalleled realism in training environments, forcing them to learn to react in real-time to changes in radiological conditions and, since the simulation is automatic, it allows the instructors to concentrate on teaching and not on maintaining the simulation.”

—Org. Director, Navy Shipyard

NATO CBRN EXERCISE

SIM-Teq supported the NATO CBRN exercise ‘Clean Care’ – Simulating Radiation Hazardous Environments.

“The rad simulation used in ‘Clean Care’ was far above any simulation we have used in training a near real world radiological event. Our users rarely conduct training with more than small check sources. With SIM-Teq we could use multiple radiological sources and one-on-one instruction to ensure the development of expertise.”

—Exercise Commander, US Army

ROBOTICS INTEGRATION

SIM-Teq components are highly portable and easily adapted to mobile, unmanned systems.

FLIR SkyRaider R70 UAV with real R430 radiation detector module + SIM-Teq RID-Tag.

Boston Robotics Spot with a SIM-Teq RDS-31TD simulated survey meter with OEM telemetry.



SIM-Teq®