

# OAK RIDGE ENHANCED TECHNOLOGY AND TRAINING CENTER

## OVERVIEW

The Oak Ridge Enhanced Technology and Training Center (ORETTC) is a joint federal- and state-funded effort to provide dynamic, advanced emergency management, security, and operations training for high-consequence and critical infrastructure operations and processes. Featuring two main facilities, the ORETTC will provide first-of-its-kind training and demonstration venues for global collaborators.

## PURPOSE

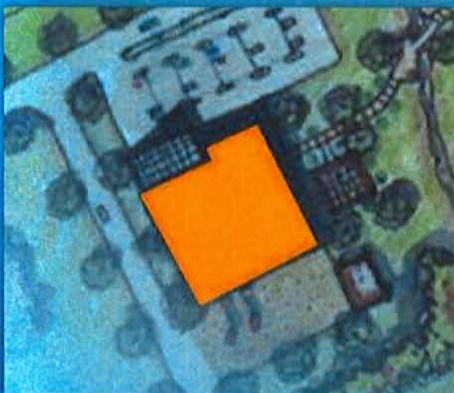
Once complete, the ORETTC will challenge critical thinking and problem-solving through offering training, response, security, safety, and technology demonstrations for high-consequence and critical infrastructure scenarios.

This centralized, modern center will feature two main facilities: the Simulated Nuclear and Radiological Activities Facility and the Enhanced Emergency Response Facility.



### Enhanced Emergency Response Facility

Funded at a state level, this facility will feature advanced, industrial focused, firefighting training and advanced search and rescue areas. Training will prepare individuals in high-consequence emergency response. This facility will be enhanced with state-of-the-art augmented and virtual reality training platforms to provide trainees exposure in extremely dangerous industrial emergency response scenarios without the need of associated hazardous materials. The ERTF will support high-consequence industry to develop innovative approaches for emerging technological challenges and risks mitigation for critical infrastructure. A tactical casualty care and emergency medical simulations lab are planned for the facility as well.



### Simulated Nuclear and Radiological Activities Facility

Funded at a federal level, this facility will feature simulated nuclear and radiological operations. Working with domestic and international strategic partners, training efforts will center on nuclear nonproliferation, counter-proliferation, and counter-terrorism activities. Complemented with a suite of equipment for simulated nuclear, radiological, and chemical operations, this facility will be enhanced with state-of-the-art augmented and virtual reality training platforms.

## A STATE-FEDERAL PARTNERSHIP

The ORETTC highlights the value of federal-state partnerships collaborating in response to a global need for a multi-use security training center. With this partnership, the two main facilities are funded separately. The National Nuclear Security Administration (NNSA) Office of Global Material Security is directly funding Consolidated Nuclear Security for the Simulated Nuclear and Radiological Activities Facility. Meanwhile, the State of Tennessee funded the Roane County Industrial Economic Council for the Enhanced Emergency Response Facility.

## WORLD-CLASS EXPERTISE

Security, safety, and emergency response personnel from around the globe will have access to world-class expertise found at NNSA and Department of Energy sites. The center will provide local, state, national, and international organizations and government agencies access to hands-on expertise in:

- High-consequence operations
- Nuclear safeguards
- Nuclear detection
- Nuclear and radiological security
- Emergency management
- New technology performance testing and demonstration
- Other advanced technical and tactical training areas

Complemented with a suite of equipment for nuclear, radiological, and chemical operations, these facilities will be enhanced with state-of-the-art augmented and virtual reality training platforms. The ORETTTC will also provide innovative program improvements by establishing integrated response, security, testing, and evaluation capabilities.



## MORE INFORMATION

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