

CBRNE TESTING AND EVALUATION SERVICES



High-value testing and evaluation services from Battelle: Done right the first time, on schedule, competitively priced.

With state of the art infrastructure, a complete suite of capabilities, and industry leading subject matter expertise, Battelle provides our government and industry partners with the most comprehensive and relevant evaluations of CBRNE defense equipment for development and acquisition efforts.

WHY TEST WITH BATTELLE

Battelle is the low risk, high value choice for CBRNE testing and evaluation services. We provide highly responsive, agile and unbiased testing and research within cost and schedule budgets using the nation's largest privately owned, most advanced comprehensive CBRNE test capabilities and expertise.

Robust testing enables material developers and program managers to more effectively analyze trade-offs when making decisions and allows R&D leaders to make better investment decisions.

Thoughtful and aggressive test and evaluation can serve as a vital acquisition partner – it can provide insights so that equipment developers can better understand where performance limitations and new opportunities exist.

For more than 25 years, one of the major focuses of Battelle's work is the creation of state-of-the-art test and evaluation systems that provide a sweeping range of information. This information ultimately ensures warfighters, first responders, and security personnel know their equipment and procedures will enable them to safely and effectively accomplish their mission.

PROTECTION, DETECTION, DECONTAMINATION AND MITIGATION

Battelle utilizes its testing infrastructure and expert staff to work with the full spectrum of chemical, biological, radiological, and explosive threats. Battelle offers a cross section of RDT&E capabilities to assess CBRNE defense equipment and processes throughout the life cycle: technology assessments, developmental testing, operational testing, surveillance testing, and independent technology validation and verification.

Testing and Evaluation Capabilities:

- Protective equipment testing (suits, boots, gloves, masks, filters)
- Detector testing and air monitoring method development
- Decontamination, mitigation, and survivability testing
- Residual hazard analysis modeling
- Agent characterization testing
- Explosives, ammunition and armament testing
- Test method and test infrastructure development



Specialized Facilities:



Ambient Breeze Tunnel (ABT)

Battelle was the first to use the ABT approach to efficiently test multiple, large defense equipment with well-controlled challenges in an ambient environment.



Hazardous Materials Research Center (HMRC)

Largest and most comprehensive contractor-owned contractor-operated RDT&E capabilities available in the U.S. to work with chemical warfare agents.



Battelle Biomedical Research Center (BBRC)

Largest private BSL-3 containment laboratory in the U.S., dedicated to medical counter-measures for both chemical and biological agents.



Aerosol Research and Component Assessment (ARCA) Chambers

Chambers for efficient testing of relatively large biodefense with “live” aerosolized agents requiring up to BSL-3 containment.



Man in Simulant Testing (MIST)

Five-person test chamber that uses chemical agent simulant vapor to measure the performance and protection factors of chemical protective ensembles.



High Energy Research Laboratory (HERLA)

Lethality and survivability system assessment, engineering, modeling, metrology, and testing services for ammunition and explosives, non-lethal weapons, foreign material exploitation, and armor development.

To learn more, talk with our CBRNE T&E experts at **800.201.2011** or **solutions@battelle.org**.
To solve your toughest challenges, **Think Battelle First.**

Every day, the people of Battelle apply science and technology to solving what matters most. At major technology centers and national laboratories around the world, Battelle conducts research and development, designs and manufactures products, and delivers critical services for government and commercial customers. Headquartered in Columbus, Ohio since its founding in 1929, Battelle serves the national security, health and life sciences, and energy and environmental industries. For more information, visit www.battelle.org.

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It can be done