



The Homeland Protection Team

The Edgewood Chemical Biological Center (ECBC) possesses a wealth of chemical and biological (CB) defense knowledge gained through over 85 years of groundbreaking research and development in the field of CB defense. ECBC has more than 70 years of experience in development, testing, and application of collective protection systems. Recent building protection projects have involved applying collective protection to approximately 100 facilities in the United States and abroad.

The Homeland Protection Team (HPT) is a part of the Individual and Collective Protection Business Unit at ECBC. The HPT has provided building protection services to various government, military, and commercial agencies, focusing on internal, external, and remote weapons of mass destruction (WMD) attacks. The overarching goal of the HPT in this area is to tailor a range of building protection and fixed site protection products and services to meet the variety of needs created by today's chemical, biological, radiological, nuclear, and explosive (CBRNE) WMD threats.

The HPT's mission is to reduce the consequences of WMD incidents and airborne hazards by providing assessments and/or solutions to address facility vulnerabilities.

Services Offered by the HPT

Vulnerability Assessments

Assessments are performed to determine the vulnerability of buildings and fixed sites to CBRNE WMD attacks. The HPT focuses on evaluating vulnerabilities to internal, external, and remote attacks. The HPT identifies a variety of measures—physical security, mechanical, architectural, and operational—to reduce the vulnerabilities.

Collective Protection Application Assessments

The HPT conducts surveys to determine the most efficient and effective approach for applying collective protection systems to existing buildings and new constructions. The systems can be designed to protect all or a part of a facility.



Design Services

The HPT can serve as architectural and engineering contract technical monitors, as well as provide design support for the integration of collective protection systems.

Protective Solutions Lifecycle Services

The HPT can perform the following services over the protective solutions lifecycle:

- Provide short-, mid-, and long-range protective solutions through customized procedures and hardware.
- Author specifications and scopes of work for implementation of solutions.
- Prepare for and/or conduct operational and certification tests following incorporation of the protective solutions.
- Test and inspect newly installed collective protection systems to ensure that the systems provide the intended protective capability.
- Develop maintenance recommendations and conduct testing to maintain the full functionality of the protective solutions.
- Prepare operating and maintenance manuals for both stand-alone systems as well as systems integrated with building HVAC systems.

- Issue recommendations for evaluating and decommissioning the building and associated protective solutions at the end of its useful life.

Partnership Services

The HPT has developed partnerships with teams at ECBC as well as with the U.S. Army Corps of Engineers Protective Design Center to provide the following services:

- Rapid Response contracting
- Detection integration
- Mobile asset protection

- Nuclear, biological, and chemical testing services
- Customized rapid prototyping
- WMD dissemination device awareness training
- Equipment evaluation

For more information, contact the Homeland Protection Team, U.S. Army ECBC at (410) 436-6582 or building.protection@apea.army.mil, or visit the web site at <http://buildingprotection.rdecom.army.mil>.