

THE GROWING THREAT OF VEHICLE RAMMING

The Department of Homeland Security (DHS) Science and Technology Directorate's (S&T) Physical Security program focuses on security awareness for soft targets and crowded places. A key focus area is mitigating hostile vehicle threats, including the development of counter threat technologies. The use of a vehicle as a weapon, or vehicle ramming, is a known terror attack tactic. Recent terror acts and violent extremist propaganda demonstrate that vehicle ramming continues to be a tactic of interest for those wishing to cause harm.

ENSURING MISSION SUCCESS

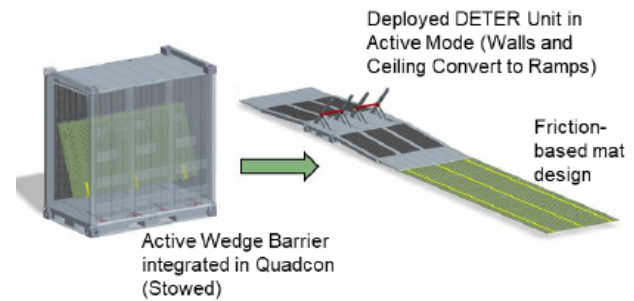
S&T is evaluating the Deployable Expedient Traffic Entry Regulator (DETER) barrier in realistic environments to identify operational recommendations and/or hardware adjustments to optimize use for DHS components such as the Cybersecurity Infrastructure Security Agency.

DETER is an active vehicle barrier that serves as an expedient access control solution to protect critical assets and soft targets from vehicular attacks. The friction-based barrier is integrated into a standard QuadCon ISO container form factor for easy storage, transport, and deployment. This modular, kitted, and rapidly deployable barrier is effective for various lane widths, road surfaces, and environmental conditions.

DETER is an innovative and versatile barrier that provides fast protection in multiple scenarios, making it a valuable system to be used in multi-domain operations.

SECURING SOFT TARGETS

The Physical Security program collaborates with component stakeholders, end-users, and technology development partners to close gaps in security through innovative technologies, designed to work together to advance event planning, standoff detection, and screening of unstructured crowds.



ACCOMPLISHMENTS TO DATE

- FY23 Q3: Conducted system performance evaluation for DETER during operational event at 2023 National Football League Draft (Kansas City, MO)
- FY24 Q2: Conducted site visit to deploy DETER at Indy 500 race

UPCOMING MILESTONES

- FY24 Q3: Deploy DETER barrier at Indy 500

PARTNERSHIPS

The U.S. Army Engineer Research and Development Center (ERDC) solves the nation's toughest engineering and environmental challenges. ERDC develops innovative solutions in civil and military engineering, geospatial sciences, water resources, and environmental sciences for the Army, Department of Defense, and civilian agencies.

