



Hostile Vehicle Mitigation (HVM)

Developing innovative strategies and design solutions to protect people, property and infrastructure against hostile vehicle attacks

Hostile Vehicle Threat

Hostile vehicles are deployed to cause injury and damage to property and infrastructure. This could be by directly assaulting people, penetrating building and site perimeters by ramming through site defences, or delivering an explosive device near or directly in to a target location.

The mobility, manoeuvrability and accessibility to vehicles makes it an attractive option for criminals and terrorists to continue to use them in committing hostile acts. HVM requires an integrated multidisciplinary design approach that identifies and addresses the needs and concerns of various stakeholders to deter, stop, disable or reduce the impacts of an attack.

Capita Security Consultancy's specialist and engineers have extensive experience developing HVM solutions across various industry sectors.



Capita Security Consultancy

Strategic Advice

Advice to clients, stakeholders and designers to support decision making, design and strategy development.

Site Assessment

Detailed security assessment that investigates the local environment, maximum enforceable blast stand-off perimeter, vehicle access control, traffic management and vehicle parking considerations.

Vehicle Dynamics Assessment

Investigation of existing or proposed roads and terrain layout and calculation of maximum possible penetrative attack speed of a perceived threat vehicle from all possible approach routes.

Operational Requirement (OR) for HVM

Detailed assessment identifying background information, stakeholder requirements and external constraints to enable the recommendation of appropriate and proportionate HVM measures.

HVM Scheme Design

Development of HVM strategy to secure a site or building perimeter using vehicle security barrier (VSB) systems, including design of traffic calming measures and vehicle access control points (VACPs).

Public Realm Integration

Design the integration of HVM measures into the public realm during early stage of design development, balancing the need for proportionate security measures and the needs of the local businesses and the functionality of public space.



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