

# Hostile Vehicle Mitigation course

## Course presented by

Juri Kasemets, CD, P.Eng. M.Eng., MBA

President, EMG Explosives Management Group [www.explosivesmanagement.com](http://www.explosivesmanagement.com)

## Course description

This is a 1-day course on vehicle-borne threats and the principles of hostile vehicle mitigation where a hostile vehicle is one that could contain a vehicle borne improvised explosive device (VBIED) or one that could be used for ramming.

## Course outline

### Morning

Introduction: explosives and VBIEDs; what is a hostile vehicle; historical trends; motives; effects; tactics; types of vehicles; types of threat (parked vehicle; encroachment; penetrative; deceptive; duress against driver

Cloned vehicles

General protective measures: prevention phase, assessment and detection phase, response phase

Separating hostile traffic from pedestrians and buildings: standoff distance; protecting crowded places

Vehicle bomb mitigation: hostile vehicle mitigation (HVM); traffic calming; impact energy; vehicle dynamics assessment

Selection and application of vehicle security barriers (VSB) active and passive; integration into the streetscape

Site assessment: Assessing site strengths and vulnerabilities;

Security proportionate to threat

**Afternoon** – non-destructive search of vehicles.

- : understand the importance of identifying suspicious indicators by questioning occupants, by checking documents, by observing the approach of the vehicle and by observing indicators during the internal and external check of the vehicle
- - understand safety and security requirements of the search

Dos and don'ts; team approach never alone

Interviewing/questioning vehicle occupants; fight or flight

Visual indicators of approaching vehicle

Documentation checks