



WHO ARE CROWDGUARD?

PLAN PROVIDE PROTECT.



CROWDGUARD – A trusted partner for hostile vehicle mitigation and perimeter protection, helping to make events and crowded spaces safer.

WHO ARE CROWDGUARD?

Crowdguard are a specialist in event safety and crowd management. We provide a turnkey service to help you plan and implement strategies to keep people safer with market-leading solutions, installed by experts, and designed to help you mitigate risk.



Our aim is to support and advise you by offering a flexible approach to helping you understand your risk and select physical protection systems aligned to your risk factors, your operational requirement, and your budget. We can advise you from our broad portfolio of tested and certified HVM and barrier systems. Every installation is specified, managed and quality assured by us, including deployment of trained and trusted installation teams anywhere in the UK, and a full de-rigging service, to your required schedule.

We are proud members of the Perimeter Protection Suppliers Association (PSSA) and work with a variety of industry partners to provide a turnkey service, from risk assessment through to deployment.

OUR CAPABILITIES INCLUDE:



Plan

We offer a full threat, vulnerability and risk assessment (TVRA) service and vehicle dynamics assessment (VDA), along with detailed specification of the right solutions to help you mitigate risk. Our experts can advise you on the most suitable products or combination of products for your requirements, taking into consideration your budget and the level of risk you are prepared to accept.



Provide

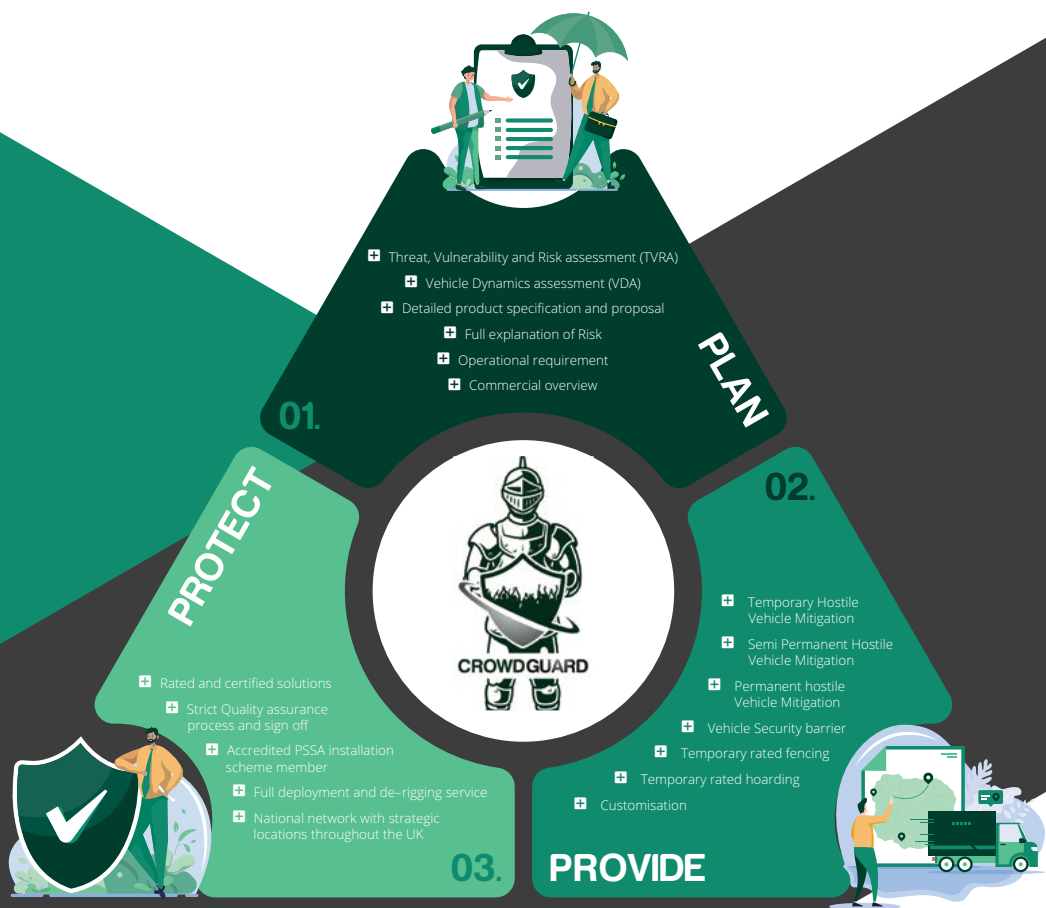
We provide safety and security equipment, with a full deployment and de-rigging service, anywhere in the UK. This includes temporary, surface-mounted and pedestrian permeable HVM and barrier systems, along with semi-permanent and permanent HVM solutions. Several of our systems can be customised for branding, advertising, wayfinding or aesthetic purposes. Our trained and trusted installation teams will install and de-rig your protection aligned to your scheduling requirements, working through the night, where required, to get the job done on time and with minimal disruption.



Protect

Our systems are tested and certified and we follow a strict quality assurance process for your complete peace of mind. We are a member of the PSSA, and our trained installation technicians deliver quality assured and certified deployment to ensure integrity within our installations and 'as rated' configuration. Where this cannot happen due to location restrictions, every attempt is made to engineer the array and any difference in configuration to 'as tested' is explained.

PLAN PROVIDE PROTECT.



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Deborah and the team were able to mobilise and install the barriers at very short notice and provided excellent customer service throughout the scheme.



**At Crowdguard,
we are here to help
you plan safety
and security into
your event from
the very earliest
stages. We work
with you so that
you can consider
and understand
all risk factors,
and advise you
on an appropriate
and proportionate
solution.**

WE OFFER:

Threat, Vulnerability & Risk Assessment

Carried out by certified risk assessors, our threat, vulnerability & risk assessment (TVRA) process considers all risk factors specific to your event, venue or location that can be managed with physical measures, effective resources and resource planning, and increased vigilance. Our team will visit site and consider key locations, including all ingress and egress points and surrounding approaches, scoring the threat, vulnerability and risk of each area so that we can give you a fully-documented summary of risk factors and use these to inform our recommendations.

Vehicle Dynamics Assessment

We use vehicle dynamics assessments (VDA) to analyse how a vehicle could be used in an attack, and the likely speed on impact for vehicles of different sizes. Our assessment includes consideration of both acceleration and turning, helping us develop a clear picture of the level of risk. Our experts use various tools and data to carry out the VDA - including a site visit during event times where appropriate - to assess the potential approach routes for malicious or errant vehicles and distance. They also use Google Maps, Ordnance survey maps and CAD to provide a detailed report

Specification

Our specification process combines what we've learned from the TVRA and VDA, with an understanding of the operational, commercial, and aesthetic parameters that need to be considered for your specific event, venue or location. We consider a range of factors when making our recommendations, including whether the installation needs to be temporary, surface mounted, semi-permanent or permanent, and if it needs to be pedestrian permeable and/or allow access for deliveries and emergency vehicles. We also think about flexibility - perhaps the installation will need to be reconfigured during the course of the hire - and, of course, we consider the level of protection required and the available budget too.



Our specification is always bespoke to the specific event, venue or location. We not only ensure that the solution we put forward is tested and certified; we also consider the configuration required and how this differs from the ‘as tested’ configuration, so that we can clearly explain how it mitigates your risk and keeps people safer.

Our specification process considers:

- +** Whether the proposed solutions are certified to PAS68, IWA 14, VADS
- +** Operational requirements and flexibility
- +** Storage and logistics requirements
- +** Deployment requirements, including speed of installation
- +** Whether equipment that more closely matches operational requirements or budget constraints but does not match the parameters of the risk assessment can be offered as an alternative with an acceptable level of risk, thereby providing a best value option

The specification includes design and as-built drawings for each location. If drawings of the locations are not available, an asset list for each event or installation and each location are created. This ensures that our quality assurance processes verify correct installation against the agreed specification.

Each proposal includes our recommended solution, which meets your security and operational requirements as closely as possible across the proposed events, with the flexibility to be utilised for ad hoc events you may add to the calendar.

It also includes alternative solutions that may suit your budgetary or operational constraints better but involve additional risk. We will highlight any additional risk, enabling you to make informed decisions about the level of risk you are prepared to accept.



Quotation

Our quotation documents ensure that all roles and responsibilities are clear. This includes itemising what we need from you and our commitment to delivering the project.

At Crowdguard, we have developed partnerships with the most respected names in hostile vehicle mitigation (HVM) and perimeter protection to ensure we can offer customers a range of market leading solutions.

The variety of products in our range means that we can supply different systems in combination, aligned to the level of risk and operational, commercial and aesthetic considerations. This means you can always be confident you're receiving our best advice.

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It has been a pleasure working with Crowdguard during Godiva Festival 2022, which requires the audience of 70000 over three days to access and egress the event safely.



ATG SURFACE GUARD

ATG Surface Guard is an innovative and versatile temporary HVM system, which can be branded to create an eye-catching and welcoming feature.

A Counter Terror Awards winner, it is surface mounted, enabling fast installation and removal, with no preparation of foundations or fixings, or damage to the installation area. The lightweight, modular system can be scaled to suit your requirements, and installed without the need for any specialist lifting equipment.

A pedestrian permeable HVM system, ATG Surface Guard allows pedestrian flow rates to remain unaffected, while installation with vehicle access plates allows vehicular access within just 30 seconds for blue light services or deliveries.

Suitable as a temporary solution or for longer term deployment with more permanent anchors, ATG Surface Guard allows flexible configuration and ease of reconfiguration. It can be installed in virtually any location and can manage all types of road cambers, kerbs, traffic islands, trees or street furniture.



Technical Specification

HEIGHT ABOVE GROUND
700mm (guard height)

WIDTH OF UNIT
1,185mm

LENGTH OF UNIT
1,425mm (front to back)

FOUNDATION DEPTH
Surface mounted

SECURITY RATING
IWA-14-1: V/2,500 (N1G)/48/90:4.5
IWA-14-1: V/7,200 (N3C)/32/90:4.8
VADS certified

CASE STUDY:

Birmingham City Centre

We have installed the ATG Surface Guard system throughout Birmingham City Centre. The installation was customised with Birmingham's Be Bold, Be Birmingham branding, creating an eye-catching and aesthetically pleasing rainbow of protection for the city.

THE CLAW

The Claw is a drop and go, surface-mounted HVM solution, for simple, rapid deployment with no assembly required.

Needing no fixing or anchoring, The Claw can be deployed and repositioned quickly and simply by a trained technician. It can also be customised with your own branding, advertising or wayfinding for an effective barrier that does not look aggressive or intrusive. We can even attach accessories to it, including information boards, refuse bins, and cycle racks.

Suitable for use as a standalone system or in combination with other HVM products, The Claw is a pedestrian-friendly solution that offers versatility and practicality.



Technical Specification

HEIGHT ABOVE GROUND	1100mm
WIDTH OF UNIT	2000mm
LENGTH OF UNIT	3000mm
FOUNDATION DEPTH	Surface mounted
SECURITY RATING	IWA-14-1:2013 with multiple vehicles, V1,500 (M1)/64/90:4.7, V3,500(N1)/64/90:8.2, V7,200 (N3C)/32/90:1.2 (2no. side by side) V1,500 (M1)/80/90:7 VADS certified

CASE STUDY:

Edinburgh Festive Season

We provided a variety of solutions throughout the city for Edinburgh's programme of Christmas events and for Hogmanay celebrations. This included the pedestrian permeable ATG Surface Guard hostile vehicle mitigation (HVM) system, with vehicle access points, and branded barriers using The Claw.

RB50

Ideal for projects where rapid deployment and flexibility are required, RB50 is an effective HVM system that is usually installed in 'as tested' 4m arrays and can be put in place in just five minutes by a single trained technician.

A mobile and modular system that can be wheeled into place and locked into position, RB50 provides complete flexibility for locations that require pedestrian safety for specific times, allowing them to be opened to traffic again quickly and easily, as required.

Each 4m RB50 array can be de-rigged just as quickly, and reconfigured for changing requirements during the hire period.

Fully galvanised for a robust system in any weather conditions, RB50 can be dismantled for compact storage, with optional storage racks available.



Technical Specification

HEIGHT ABOVE GROUND
800mm

DEPTH OF UNIT
1100mm

LENGTH OF UNIT
570mm per unit - installed as tested in a 4000mm array

FOUNDATION DEPTH
Surface mounted

SECURITY RATING
IWA-14-1: 2013 V/3500 (N1)/48/90:12.4m
IWA-12-1:2013 V/7200 (N2)/48/90:25.5
(dbl upstands, 4 m array)
IWA14-1:2013 V/7200 (N2)/48/90:31.4

CASE STUDY:

Godiva Festival

We delivered protection across 10 separate locations for the Godiva music festival in Coventry. The solutions installed included ATG Surface Guard, which provided a pedestrian permeable solution with zero impact on flow rates for the 69,000 event goers. We also installed The Claw, which was wrapped with #Be Safe Be Sound messaging. At three key locations we also installed the RB50 HVM system, which can be wheeled out of the way quickly for authorised vehicular access.

IMPAKT DEFENDER

Designed and manufactured by Rosehill, a specialist in innovative recycled rubber perimeter security products and ballistic solutions, Impakt Defender is an IWA-14-1 rated vehicle security barrier (VSB) made from 100% recycled rubber. Suitable for both perimeters and entry points, it provides excellent protection from all types of vehicle attacks, while delivering a visible and physical deterrent for would-be attackers.

A modular system, Impakt Defender is 65% lighter than concrete alternatives and can be configured as a straight or curved protective barrier. The surface mounted barrier sections do not require foundations, and are connected by steel securing cables to provide freestanding protection almost anywhere, with ease of reconfiguration and exceptional stopping performance.

Technical Specification

HEIGHT ABOVE GROUND
1000mm

WIDTH OF UNIT
1000mm

DEPTH OF UNIT
1000mm

SECURITY RATING
IWA-14-1 V/2500[N1G]/48/90:2.2
IWA-14-1 V/7200[N2A]/48/90:7.7



ARX STOPPER!™

The ARX STOPPER!™ is a two-part HVM system designed for ease of transportation, speed of installation and robust protection from vehicle as a weapon attacks and errant vehicles. This temporary PAS68/IWA14, CPNI and SBD accredited HVM system is surface mounted and offers flexibility of configuration and ease of reconfiguration.

The versatile ARX STOPPER!™ is made up of two separate elements, which are assembled to create a unit with four arms, each with a crown at both ends. The crown is designed to tip on contact with a vehicle, penetrate the body or underside of the vehicle, and slow then stop it.

The units are assembled by simply lifting one part of the body and slotting it into the other, with a securing bar to lock the two elements together by sliding straight through the middle of each. Steel rope can be secured by a D-shackle to anchor bars within each arm to provide additional rigidity. The system is a scalable solution that enables units to be connected together by chains or poles.



Technical Specification

HEIGHT ABOVE GROUND
801mm

WIDTH OF UNIT
751mm

LENGTH OF UNIT
118m (Tested array 6.2m)

FOUNDATION DEPTH
Surface mounted

SECURITY RATING
PAS68:2013 V/7475(N2)/48/90:20.7/0.0
IWA-14-1:2013 V/7475 (N2)/48/90:23.4
VADS certified

LOGIC ZONA™ 3

The Logic Zona™ 3 is a flexible and aesthetically pleasing temporary HVM system that requires no complex foundations. Suitable for installation by trained technicians, it locks into place in less than one minute but can be reconfigured easily for redeployment in multiple locations. The decorative planters provide a solution that fits into practically any environment, while offering robust protection and the system is available in a variety of materials, colours and finishes, with customisation for branding or advertising also available.

Testing pending.

Technical Specification

MATERIAL
Weathered Steel/Powder coated

WIDTH
7200mm

DEPTH
600mm

HEIGHT
900mm



RAPID DEFENDER

Rapid Defender is manufactured by Rosehill and provides a high security barrier system that can be deployed across the width of a road by four trained technicians in as little as 30 minutes.

Manufactured from 100% recycled rubber, it provides the strength and resilience of rubber, but is 65% lighter than concrete.

The modular system can be installed in virtually any location, including on uneven ground, and is compatible with other HVM systems. Rapid Defender can accommodate any custom configuration, with as many integral pedestrian and vehicle access points as required, and optional covers for branding, advertising and wayfinding information.

Technical Specification

SIZE
333 x 600 x 600mm
CONNECTORS
20mm steel rods or threaded bar
PEDESTRIAN PORTAL WIDTH
1240mm
VEHICLE PORTAL WIDTH
3720mm



UNAFOR CORE

Unafor Core is a semi-permanent HVM system with shallow-mount foundations, which is designed to complement existing public realm environments while offering robust protection from vehicle as a weapon attacks and errant vehicles.

With structural foundation depths for Unafor Core starting from 200mm, the system is a viable solution for almost all environments, and paving or surface finishes between 100mm and 150mm deep can be placed around the sockets, enabling the installation to blend into its surroundings.

Once the foundation is in place, the system provides rapid deployment by a single trained technician. Posts are inserted into foundation sockets and locked firmly into place with a click and lock system.

The Unafor Core HVM system is available with a variety of barrier options to meet the aesthetic requirements of the location, including planters, street furniture, cycle racks, and bollards.

Technical Specification

HEIGHT
125mm square upstand
600mm from finished floor level

SECURITY RATING
Impact tested and certified to
IWA-14-1/1500[M1]48/90/0.0
IWA-14-1/3500[N1]/48/90:2.8



CLD FENCESAFE

Our FenceSafe range includes a variety of temporary and semi-permanent fencing, hoarding, gates and turnstiles to provide perimeter security and enable controlled access to your site.

Developed by CLD Fencing Systems, the UK's largest supplier of rigid mesh fencing systems and security gates, FenceSafe temporary security fencing systems feature an innovative, patented cantilever base, used with 200kg loose or bagged ballast. This provides robust, foundation-free, surface mounted perimeter protection, enabling rapid deployment in any location.

Compliant with BS EN 1991-1-4 and BS 6399 for wind loading in excess of 100mph, our FenceSafe systems are ISO 9001:2015 certified and offer robust security comparable to a permanent rigid mesh fence. They can be installed with sliding or swing gates for pedestrian or vehicular access, or with turnstiles for controlled pedestrian access points.

Technical Specification

HEIGHT
2400 or 3000mm

PANEL WIDTH
500mm

TONGUE & GROOVE POSTS
80 x 60mm

FLANGED ROLLED SECTION
POST CENTRES
1599mm

GRADIENTS
1 in 7 as standard





Our FenceSafe Hoard system is a sustainable and secure hoarding, manufactured from a highly durable composite recycled plastic sectional profile. It is designed with tongue and groove 'click fix' panels for fast and simple installation. The panels slot into engineered steel rails and channels for rapid, consistent installation. The system can be customised with vinyl graphics either before or after installation, for branding, wayfinding, advertising and information sharing.

Suitable for use as a surface mounted security system, FenceSafe Hoard can also be installed with panels surface mounted onto concrete blocks.



CASE STUDY:

Wembley Stadium

We provided a temporary fencing solution located in Wembley's 'green zone' outside the ground to create a fan zone. The chosen solution had to be completely surface-mounted with no fixings that could damage the road surface, while providing robust, attack-tested demarcation of the fan zone area to rule out any toppling risk due to either force or crowd surge. We installed a FenceSafe SR1 temporary fencing system, which provides a guaranteed minimum delay of at least 60 seconds against attacks using a range of tools. Pedestrian access and egress at one end of the enclosure, along with access to allow emergency vehicles if required at the other was built into the design, with a 5m aperture for pedestrians on one side and a 6m aperture for emergency vehicles at the other.

PERMANENT HVM

Following assessment at your event site, stadium, or venue it may be appropriate that a mix of temporary, semi-permanent and permanent HVM is required across multiple locations. We are proud of the strategic partnerships we have with leading manufacturers of HVM and can propose the most appropriate solution across many manufacturers. This ensures we never shoehorn a specific product into the proposal, but assess each site on its own merit and advise on the best solution within the market place.



Our track record

From major sporting events to Christmas markets, summer festivals, public events and city centre strategies, we have the track record you can trust to offer credible, safety-focused and impartial advice, and deploy the right equipment on time and to a high standard.



Andrew Daw Emergency Planning Officer



Providing appropriate HVM for events in a dynamic city centre environment is often challenging. We value our association with Crowdguard, a professional and supportive partner who work with us to design and deliver temporary HVM solutions protecting our residents and visitors at a wide range of events in Birmingham.



Danny Greene Senior Events Officer



It has been a pleasure working with Crowdguard during Godiva Festival 2022, which requires the audience of 70000 over three days to access and egress the event safely. Crowdguard provided a high quality service with a detailed series of checks and controls to ensure a complex installation is designed and deployed according to the brief, with an eye on the aesthetics of the product appearance, and extra care was taken when working in the sensitive environment of a public park.



Claire Miller Senior Public Safety Officer



Crowdguard was able to advise us on which HVM system to deploy where, accommodate our requirements to customise the installation with festive messaging, and, essentially, meet the need for prompt installation and de-rigging, concurrently in multiple locations. The whole thing ran very smoothly, visitors were reassured that their safety was being taken seriously, and we were able to extend a warm Edinburgh welcome to all!



Laura Strong Head of Match Day Safety and Security



We choose to work with Crowdguard as they provide the full turnkey solution in providing advice and solutions that take into account the assessed risk and the operational requirements to meet our needs.



Get In Touch

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