



# INTELLIGENT PROTECTION.

PHYSICAL SECURITY SOLUTIONS.

[www.hssecurity.com](http://www.hssecurity.com)

◆ **INTRODUCTION TO HS SECURITY**

HS Security is a prestigious group of companies specialising in highly advanced physical security solutions including products for temporary and permanent security; urban and industrial security schemes.

As world-leaders in truly innovative engineering, and with a global reach powered by strong partnerships; customers know that wherever they are, and whatever their demand, HS Security will deliver the most cutting-edge, effective and holistic security solution.

Together, we keep people and property protected.

◆ **OUR HISTORY**

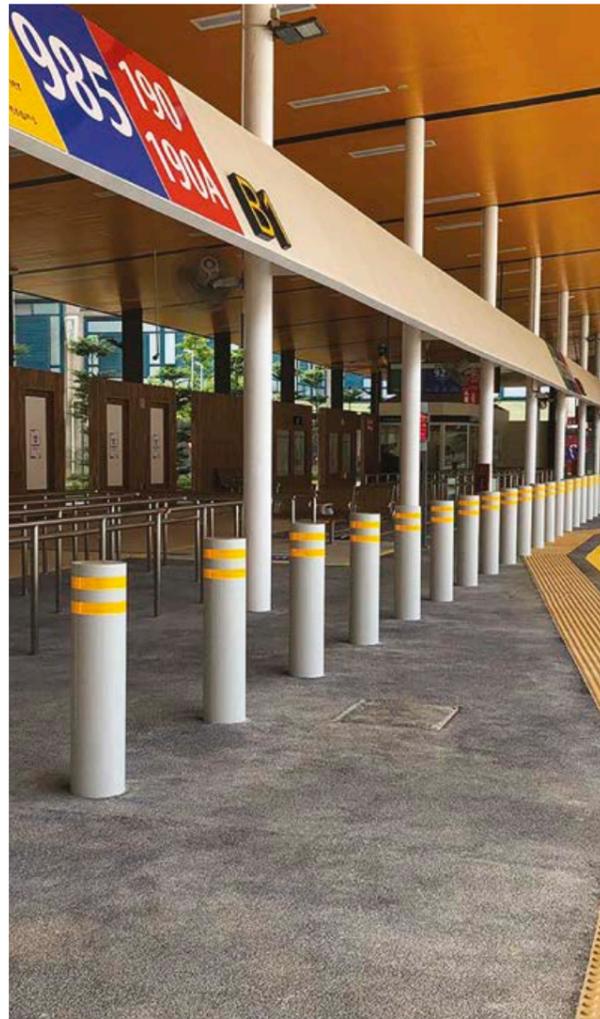
With over 26 years' experience, HS Security's expertise is unrivalled. All products are tested and approved to a breadth of international standards to mitigate tool and vehicle borne attacks.

◆ **OUR LOCATIONS**

With an extensive distributor network, your global security requirements can be met with ease and efficiency. Stretching across Europe, the Middle East, Scandinavia, Australia and the USA, the HS Security Group is leading the way for quality service, technical support and product innovation.

◆ **HEAD OFFICES/MANUFACTURING**

- ▲ AMERICA
- ▲ SINGAPORE
- ▲ UAE
- ▲ UK



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◆ **GLOBAL SECURITY SOLUTIONS**

From protecting crowded places, to securing your perimeter security line. The HS Security group have a variety of temporary and permanent security solutions designed to secure sites, protect crowded places and safeguard Critical National Infrastructure (CNI).

▲ **AN OVERVIEW**

Tested and compliant to a range of international standards, the HS Security Group have a variety of perimeter Hostile Vehicle Mitigation (HVM) fencing solutions designed to protect Critical National Infrastructure and perimeters from vehicle borne attacks. With geographical, maintenance and security constraints in mind, the HS Security range of HVM fences can be implemented accordingly to suit the requirements of each independent site. The Bristorm Zero Fence is rated to ASTM F2656 and achieves zero penetration; suitable across perimeters with the most stringent security requirements.

StronGuardRCS is the only standalone palisade fence which has been impacted tested to BSI PAS 68. As it is also accredited as an anti-personnel fence by CPNI and Secured by Design, StronGuardRCS removes the need for multiple systems when a HVM and anti-personnel perimeter is required. Ideally suited to applications where space is limited and a single solution is desirable.

▲ **GENERAL PRODUCT FEATURES**

- ◆ Tested to BSI PAS 68, IWA 14 -1 and ASTM F2656
- ◆ Suitable across all geographical locations
- ◆ Suitable on harsh ground conditions
- ◆ Advanced technical support
- ◆ Designed and manufactured in the UK



▲ **INDIVIDUAL PRODUCT FEATURES**

**WIRE ROPE PERIMETER FENCE**

- ◆ The first HVM wire rope fence
- ◆ Wire rope and beam profiles available
- ◆ Zero penetration and Zero major debris perimeter fence

**STRONGUARDRCS PALISADE FENCE**

- ◆ Can be installed on sloping ground up to 30 degrees without requiring alterations on site
- ◆ No visible fixings, Fix from the rear with a high load anchor
- ◆ Designed to mitigate vehicle borne attack whilst maintaining anti-trespass.

▲ **SECTORS**

**PERIMETERS**

- ◆ Ministry of Defence
- ◆ Nuclear
- ◆ Airports and Transportation Facilities
- ◆ Data Centres
- ◆ Banking Facilities
- ◆ Oil and Gas facilities
- ◆ Power, Energy and Utilities sites

AN OVERVIEW

Our range includes a wide variety of anti-personnel perimeter fences which have been designed and tested to a range of security levels from bodily force to experienced and persistent attack using power tools.

To provide the certification require to secure critical infrastructure around the world our range includes products accredited by national and international testing houses including LPCB, ASTM, CPNI and Secured by Design.

Increase the security of the perimeter to include hostile vehicle mitigation using StronGuardRCS as a standalone system to protect and physical and vehicle borne attack or seamlessly integrate our anti-personnel fences with the Bristorm Zero HVM Fence.

Low-level fencing solutions with aesthetically pleasing characteristics have been supplied to the public realm offering a visual aid to commuters and pedestrians.

Protecting CNI, people and asset from sophisticated hostile activities.



PRODUCT FEATURES

- ◆ Variety of performance ratings to combat against a range of threat levels - from bodily force to sophisticated techniques and power tools
- ◆ Suitable in extreme geographical locations and uneven ground
- ◆ Advanced security measures can be added including: electric fences and PIDs
- ◆ Robust solutions suitable for International markets
- ◆ All tested and approved to a breadth of International standards

SECTORS

PERIMETERS

- ◆ Ministry of Defence
- ◆ Nuclear
- ◆ Airports and Transportation Facilities
- ◆ Data Centres
- ◆ Banking Facilities
- ◆ Oil and Gas facilities
- ◆ Power, Energy and Utilities sites

▲ **AN OVERVIEW**

Easily deployed to restrict vehicular access and to protect crowded places, the HS Security group have a variety of concrete barriers tested to BSI PAS 68. These barrier systems are temporary Hostile Vehicle Mitigation measures used during large events or when access to any site needs restricting for a short period of time. Without the need for foundations, the concrete barriers don't disturb the underlying foundation making them a viable solution when the budget is restricted.

Used widely across city centres in the UK, the concrete barrier gives short-term relief to those who require additional security rapidly. A simple solution.



▲ **PRODUCT FEATURES**

- ◆ In-house and experienced deployment team
- ◆ Cost-effective temporary HVM measure
- ◆ Many different combinations available to suit multiple requirements
- ◆ Quick and simple deployment
- ◆ Available within the Dutch and UK National Barrier Asset stock
- ◆ Impact tested solutions

▲ **SECTORS**

- URBAN**
- ◆ City centre temporary road closure
- ◆ Stadiums and arenas
- ◆ Festivals and sporting events

▲ **AN OVERVIEW**

Quick deployment with a guaranteed level of performance; the HS Security range of temporary HVM barriers are used widely for private events in and around commercial locations the world over. Designed to mitigate hostile vehicles, these surface mounted temporary barriers- either steel or concrete- will capture any errant vehicle thus keeping CNI and crowds of people safe.

Surface Guard is a lightweight modular system designed to provide protection at temporary events. It is capable in dealing with changes in road topography caused by camber, raised kerb and central reserves. It provides excellent pedestrian permeability and can facilitate emergency vehicle access through reinforced vehicle access points.

Pitagone F11 & F18 are lightweight rapidly deployable modular systems which provide temporary protection for events. Pedestrian portals and steel barriers are also available.



▲ **PRODUCT FEATURES**

- ◆ In-house and experienced deployment team
- ◆ Cost-effective temporary HVM measure
- ◆ Quick and simple deployment.
- ◆ Modular – enabling any width of protection required
- ◆ Surface Mounted
- ◆ Multiple combinations available to suit client requirements

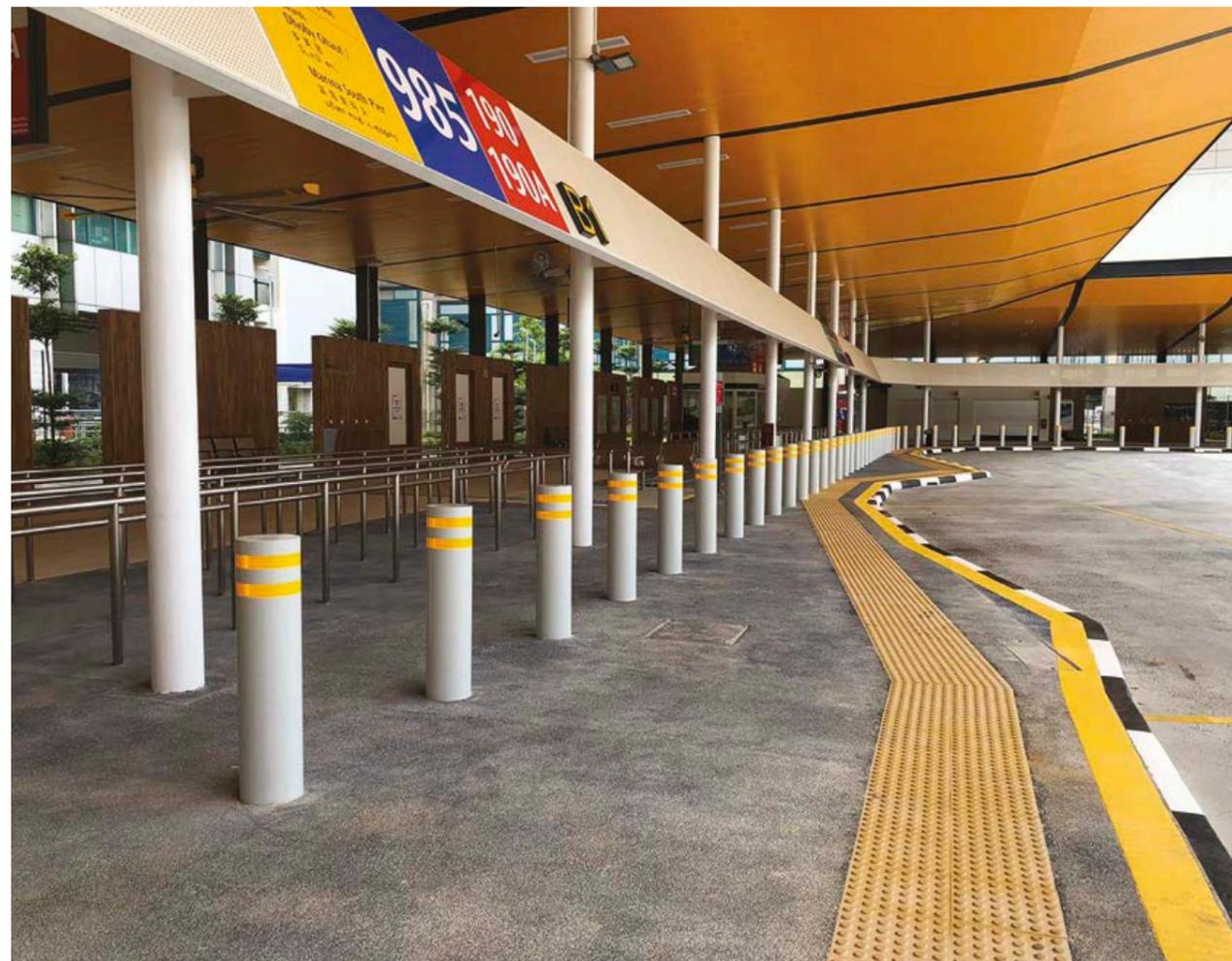
▲ **SECTORS**

- URBAN**
- ◆ City centre temporary road closure
- ◆ Stadiums and arenas
- ◆ Festivals and sporting events

AN OVERVIEW

The HS Security range of Fixed Bollards is becoming a global necessity across urban and industrial CNI sectors where pedestrian permeability is required. Offering standard foundations with a wide range of security ratings; the portfolio delivers the full spectrum of performance capabilities according to global impact test standards, including the world's strongest bollard.

When discretion is absolute, a variety of sophisticated aesthetic covers can be introduced to mask the secure structure that lies beneath, including street furniture designs. A classic component within any security portfolio; from high security to low impact protection, HS Security permanent Bollards will protect people, assets and infrastructure from vehicle borne attacks.



PRODUCT FEATURES

- ◆ Can be fitted with an aesthetic sleeve or embedded within street furniture designs
- ◆ Simple installation techniques
- ◆ Aesthetically pleasing HVM measure
- ◆ Facilitates pedestrian permeability, even in areas with high foot flow
- ◆ Products available to suit a wide range of security standards and testing criteria

SECTORS

- ◆ City Centres
- ◆ Public spaces
- ◆ Critical National Infrastructure

### AN OVERVIEW

The members of HS Security were the market innovators of shallow foundation bollard technology. Across our cosmopolitan capitals, our transportation network continues to grow in line with the growing demand for faster and more efficient telecommunications and data along with a more robust utility network. To avoid costly disruption on a monumental scale, HS Security pioneered Shallow Foundation Bollards over ten years ago. Some models have foundation depths from as little as just 40 mm. The foundation requirements are so minimal, they have even been tested and approved for use on bridge decks.

Tested and approved to a range of international HVM standards, these products have become a critical requirement across global infrastructure by removing the need for extensive excavation minimising site disruption.

Intelligent protection at its best.



### PRODUCT FEATURES

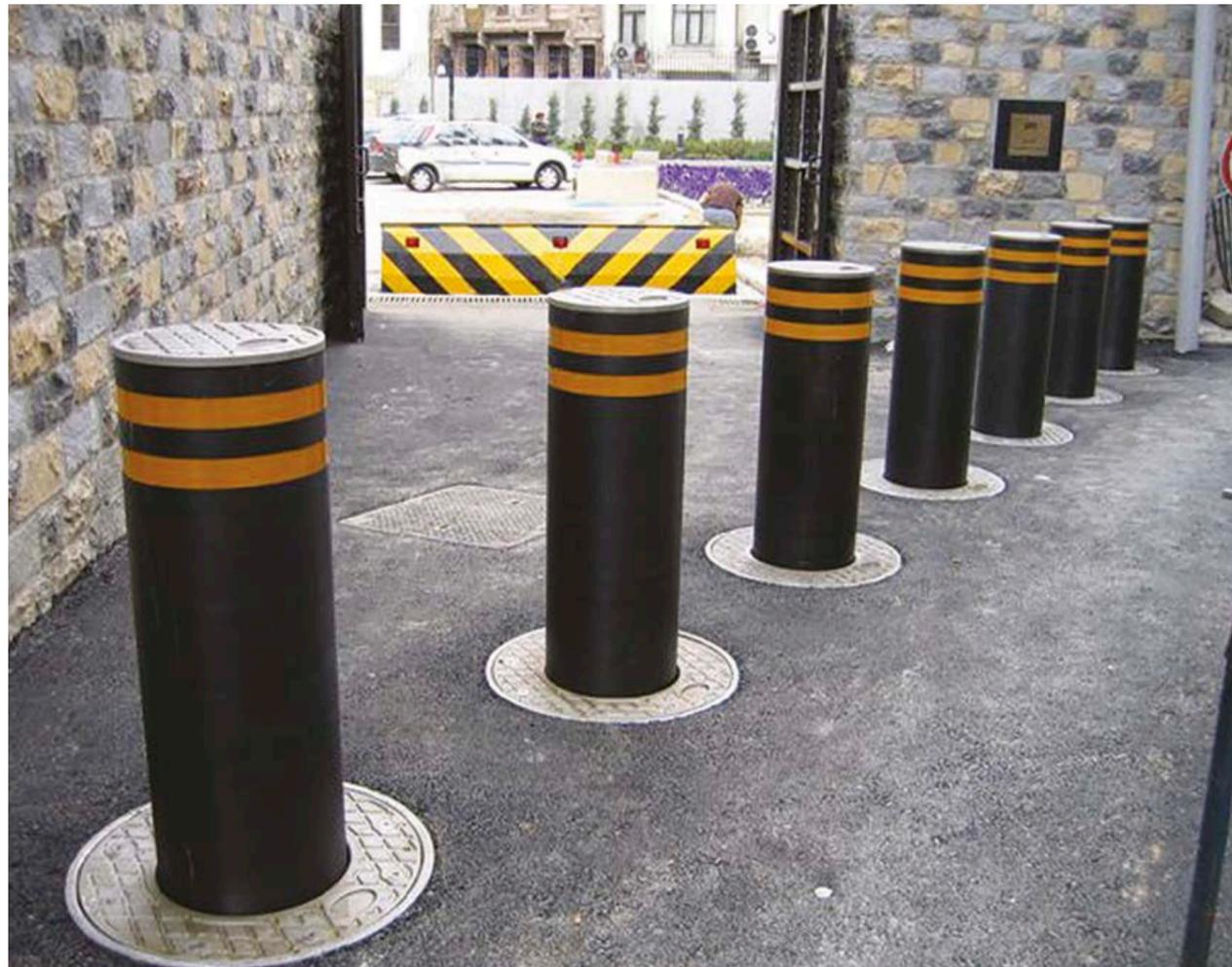
- ◆ Shallowest bollard foundation available in today's physical security market (from 40mm)
- ◆ Removes the need for extensive and expensive excavation
- ◆ Eliminates the risk of damaging underground utilities while excavating
- ◆ Foundations required for installation from as little as 40 mm
- ◆ Less disruption to tree roots and the environment when installing physical security measures

### SECTORS

- ◆ City Centres
- ◆ Public Realm
- ◆ Critical National Infrastructure
- ◆ Bridge Deck applications
- ◆ Suspended slab applications

▲ **AN OVERVIEW**

Automatic bollards provide impact tested security to vehicular access points limiting and controlling vehicles entering and exiting restricted areas. Designed to mitigate vehicle borne attacks, these automatic bollards have become increasingly popular when securing critical national infrastructure around the world. Sophisticated control systems are design in house to meet client specifications. Products are driven by hydraulic power and systems can be integrated with any form of access control method required. Fully CE mark compliant (BS EN ISO 13849:2015) and available in a range of international security impact test accreditations to suit on your site's risk profile. HS Security has the world's strongest bollard; tested to withstand a 30,000kg vehicle travelling at 80kph.



▲ **PRODUCT FEATURES**

- ◆ Control systems designed in-house to any operational requirement specified
- ◆ Wide range of impact test certifications available: ASTM, IWA 14 & PAS 68
- ◆ Fully CE mark compliant (BS EN ISO 13849:2015)
- ◆ Systems have been in the field and operating for over 15 years
- ◆ Designers of the world's strongest bollard; 30,000 kg @ 80 kph

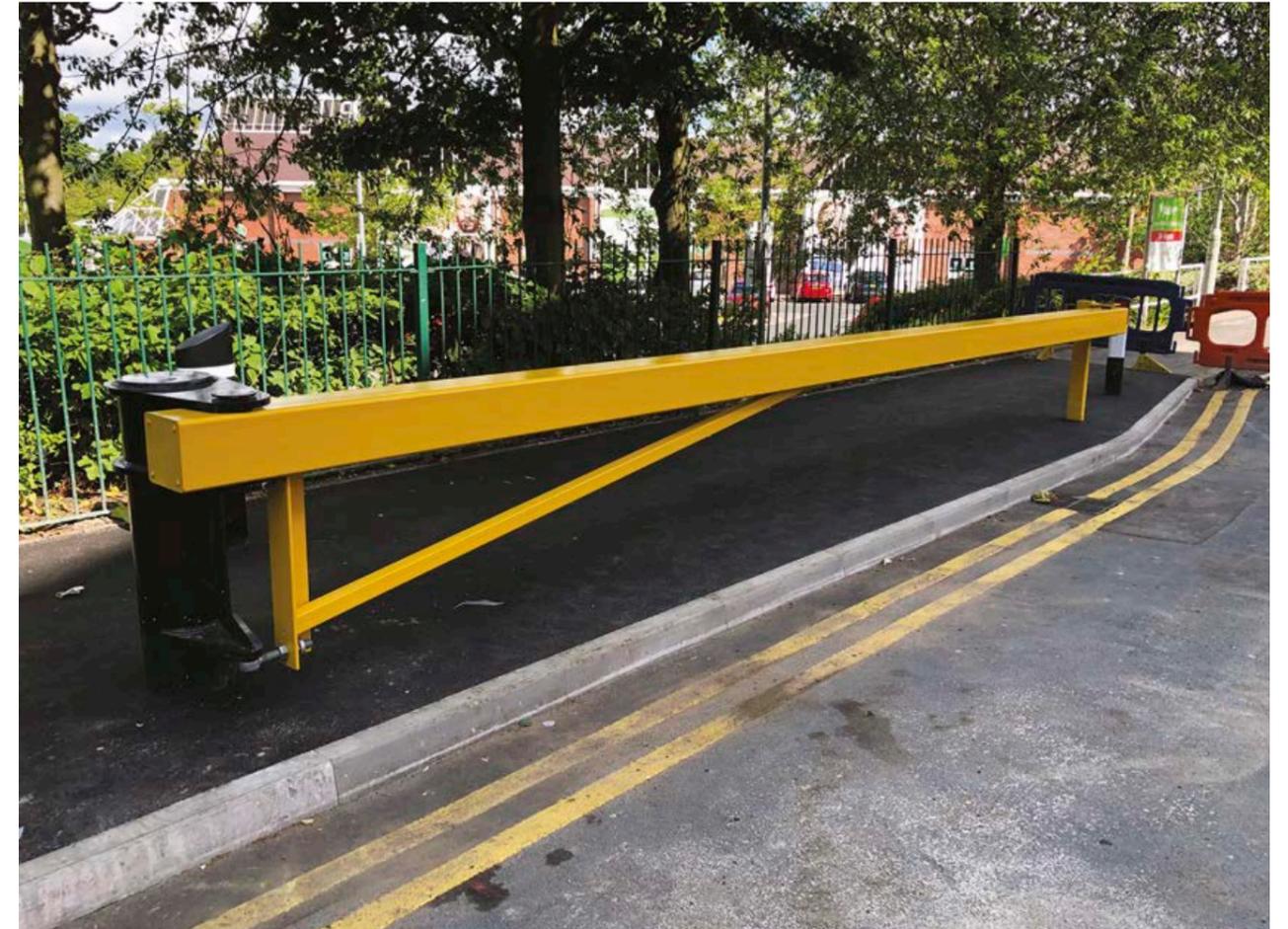
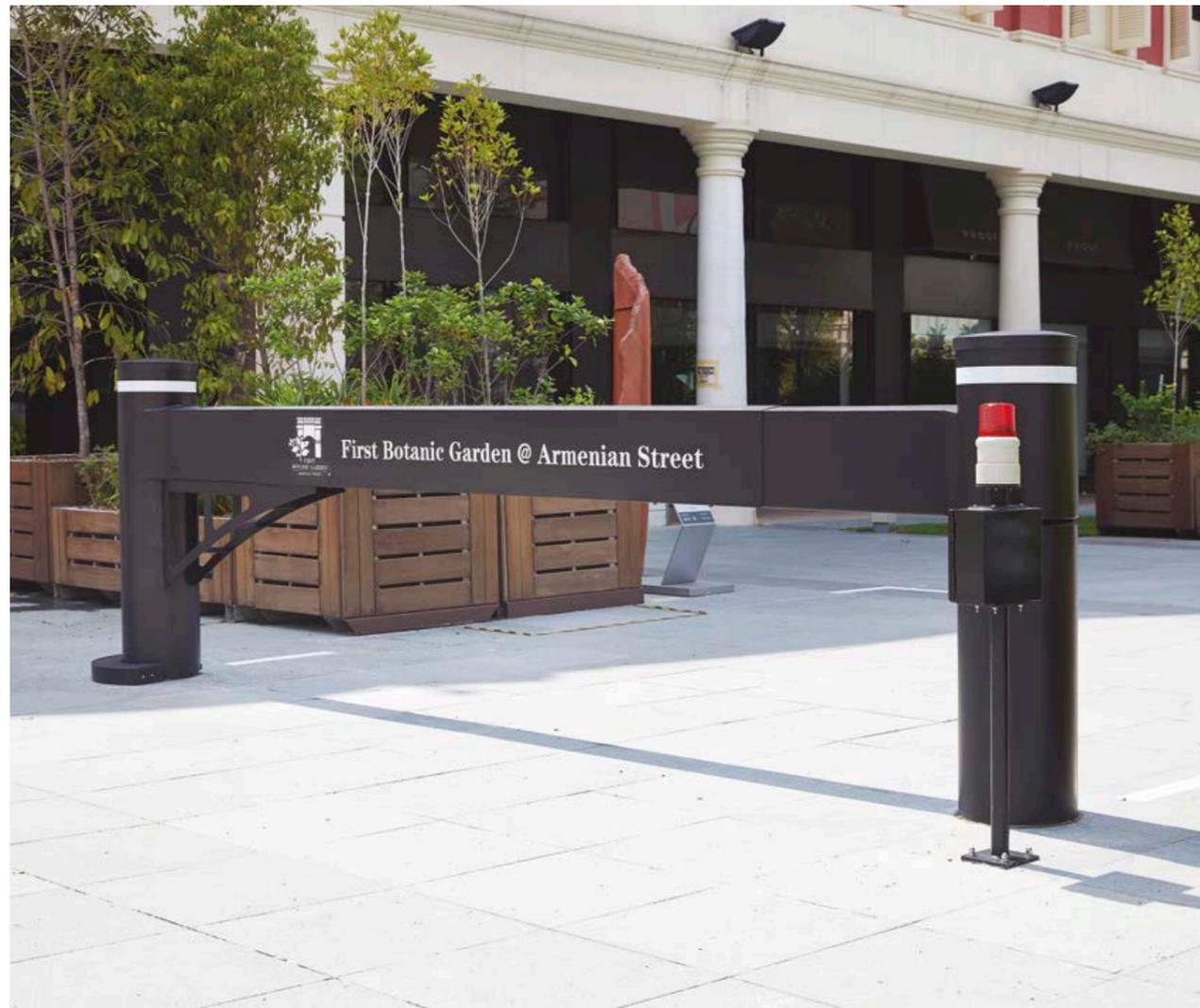
▲ **SECTORS**

- ◆ City Centres (TOPAS accredited)
- ◆ Public Realm
- ◆ Critical National Infrastructure

### AN OVERVIEW

Simple and cost-effective our range of high-security emergency access gates, are suitable to be installed across the public realm or to protect industrial perimeters. Manually operated to eliminate the need for hydraulics and to reduce the risk of electrical failure, these gates are designed to offer access to authorised emergency vehicles only. Often fixed in one position for long periods of time, they are designed to be used sporadically for occasional access.

Popular around stadiums and arenas, the ideal road closure mechanism for match days to keep crowds safe from any errant vehicle. Alternatively, these types of gates can be installed on your perimeter integrated with a HS Security HVM fence to secure a site and still facilitate control access.



### PRODUCT FEATURES

- ◆ Designed to complement HS Security HVM Fences and fixed bollard lines
- ◆ Shallow foundations to suit the public realm and areas with limited depth
- ◆ Surface mounted systems to suit the public realm – temporary solutions
- ◆ Tested to International standards
- ◆ Manual operation to reduce maintenance costs
- ◆ Catch post supplied to secure the gate when open

### SECTORS

#### URBAN ROAD CLOSURES

- ◆ Stadiums and Arenas
- ◆ City Centre

#### PERIMETERS

- ◆ MoD
- ◆ Airports and Transportation facilities
- ◆ Data Centres
- ◆ Banking facilities
- ◆ Oil and Gas facilities
- ◆ Power, Energy and Utilities sites

▲ **AN OVERVIEW**

Secure sites require stringent access control measures to be implemented. The HS Security group provide advanced products to maintain a strong perimeter and stop unauthorised access. Gates and turnstiles can be manufactured to match existing perimeter fences or made to match any of our perimeter fences. All gates are made to our client's requirements with a variety of optional extras and each has been built to stand the test of time. The advanced automation technology provides smooth continuous operation on a 100% duty cycle.

Gates and barriers are often integrated with our blockers where additional security is required; sally-port systems are popular amongst many sites as the use of dual barriers helps to control and inhibit vehicle entry.

The HS Security group has vast experience and can support client's through-out the early stages of risk assessment and procurement. By offering unbiased yet valuable support, clients can feel confident that the level of security implemented is relevant to their needs.



▲ **PRODUCT FEATURES**

- ◆ Advanced automation technology ensures smooths and continuous operation
- ◆ Compliant to the latest safety standards
- ◆ Products are manufactured to suit clients' needs and requirements.
- ◆ Installation of products is simple

▲ **SECTORS**

**INDUSTRIAL ACCESS POINTS**

- ◆ Distributor sites
- ◆ Transportation yards
- ◆ Service and delivery yards
- ◆ Access control
- ◆ Embassys

## AN OVERVIEW

Discretionary and Mandatory access control requires the implementation of advanced security processes by either the site owners or operatives. With access only granted to authorised personnel, the site operatives will require the support of advanced security products to mitigate errant or terrorist activities across these access points.

Implemented for use on the main access points of a site, the reliability of these products is absolute. Therefore the HS Security portfolio of high security blockers, bollards and gates is supported by advanced technical and maintenance support to secure functionality is retained throughout the products allocated life cycle. Used on a daily basis, these products take operational processes into consideration to prevent disruption or delay. Products can cope with high duty cycles and emergency fast operation functions. Fully CE Mark compliant (BS EN ISO 13849:2015)



## PRODUCT FEATURES

- ◆ High Security Access Control
- ◆ Designed to be used on a daily basis
- ◆ Independently tested to high security standards including: BSI PAS 68 and IWA 14-1
- ◆ Designed to mitigate hostile vehicles travelling up to 50mph
- ◆ Designed to secure high-profile facilities and CNI
- ◆ Fully CE Mark compliant (BS EN ISO 13849:2015)

## SECTORS

### INDUSTRIAL ACCESS POINTS

- ◆ Industrial Access Points
- ◆ Military of Defence
- ◆ Data Centres
- ◆ Banking Facilities
- ◆ Oil and Gas facilities
- ◆ Power, Energy and Utilities sites

**AN OVERVIEW**

With over 26 years' experience in the design and manufacture of physical asset protection. Available in various configurations, such as single, twin, triple or multiple leaf covers, in single and twin-skin, the Technocover range of access covers will appropriately secure assets from hostile personnel, using sophisticated tools, who are wishing to cause damage to surrounding infrastructure.

Originators of the twin-skin access cover in 1999, which soon became the approved standard in the UK water industry, the name 'Technocover' went on to become synonymous with high quality secure access covers and hatches.

Upstand and flush-fitting access covers are available LPCB certified up to Security Rating 4 plus Technocover Anti-terrorist Level 5.

A number of Technocover security products are approved for UK Government use, for details contact CPNI.



**PRODUCT FEATURES**

- ◆ FLUSH-FITTING cover systems for use on access chambers e.g. trafficked areas
- ◆ UPSTAND cover systems are for use on access chambers e.g. located in non-trafficked areas
- ◆ Single, twin, triple and multiple-leaf configurations
- ◆ Available with hinged and/or drop-on lids
- ◆ Available LPCB certified up to Security Rating 4 or technocover security rated up to antiterrorist Level 5
- ◆ Wide range of approved accessories and options, including fall protection
- ◆ Galvanised to BS EN ISO 1461 as standard

**SECTORS**

- ◆ Private Sector
- ◆ Public Sector
- ◆ Critical National Infrastructure
- ◆ Utilities
- ◆ Energy
- ◆ Water
- ◆ Communications
- ◆ Transport
- ◆ Laboratories
- ◆ Finance

**AN OVERVIEW**

Designed to contain and protect valuables and asset from hostile personnel with or without sophisticated tools, the Technocover range of Cages and Kiosks can be deployed appropriately both externally and internally.

**MESH CAGE SYSTEMS**

Available as single partitions or as a multi-sided Structure, the Mesh Cages can be delivered to clients' across the world either preassembled or ready for site assembly. They are LPCB certified up to Security Rating 4.

**KIOSKS**

Walk-in modular buildings are available in a variety of configurations including: fully assembled, as modular units or ready for site assembly. Technocover kiosks offer a wide range of access options and security rated accessories. They are also LPCB certified up to Security Rating 4 plus Technocover Anti-terrorist Level 5.

**CABINETS**

Pre-assembled enclosures available in various configurations with a wide range of security rated accessories available. LPCB certified up to Security Rating 4 plus Technocover Anti-terrorist Level 5.

Technocover cages, kiosks and cabinets can be used as new builds or for security hardening over existing assets.



**PRODUCT FEATURES**

- ◆ Modular designs to suite all sites
- ◆ Secure assets and prevent unauthorised access
- ◆ Protecting hazardous materials, essential plant and equipment
- ◆ Variety of LPCB rated products
- ◆ Protection against malicious vandalism, theft, extortion, contamination or terrorism.
- ◆ Anti-terrorist Level 5 (kiosks and cabinets).
- ◆ Complete suite of accessories to suite all enclosures

**SECTORS**

- ◆ Private Sector
- ◆ Public Sector
- ◆ Critical National Infrastructure
- ◆ Utilities
- ◆ Energy
- ◆ Water
- ◆ Communications
- ◆ Transport
- ◆ Laboratories
- ◆ Finance

**AN OVERVIEW**

Securing each access point is critical in maintaining the integrity of the facility, its contents and importantly, the people within.

**DOORS**

Single or twin-leaf door sets provide global markets with a leading range of secure and tested entry or exit doors with a variety of security rated accessories including locking mechanisms, vision panels and Louvre vents. There is also a security accredited fire-rated door range available to keep people and infrastructure safe from accidental incidents. LPCB certified up to LPS 1175 Security Rating 5 plus Technocover Anti-terrorist Level 5.

**WINDOW BAR-SETS**

Reveal- or face-fit bar-sets are available as either singular units or as a modular system; these will restrict unauthorised access around the entire facility. LPCB certified up to LPS 1175 Security Rating 4.

**LOUVRE**

Louvre Vents can be used in conjunction with Technocover Kiosks, Cabinets and Doors; with venting capabilities they still act as a visual and physical deterrent. LPCB certified up to LPS 1175 Security Rating 5.



**PRODUCT FEATURES**

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- ◆ Secure assets and prevent unauthorised access
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**SECTORS**

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- ◆ Communications
- ◆ Transport
- ◆ Laboratories
- ◆ Finance

# GLOBAL SECURITY SOLUTIONS

## HS SECURITY IS PART OF HILL & SMITH HOLDINGS

Hill & Smith Holdings PLC owns over 30 companies across the Roads, Security, Utilities and Galvanising sectors the world over. Growing from strength to strength, the HS Holdings PLC continues to acquire market leading businesses that set and often exceed market expectations, due to their product innovation, service capabilities, manufacturing expertise and health and safety practises.

A MESSAGE FROM OUR  
GROUP MANAGING DIRECTOR

**ANDREW BEANEY**



Hill and Smith are committed to delivering products that offer class leading protection in our chosen markets. We put our customers first in everything we do and operate to the highest standards in health safety and the environment. We hope that you enjoyed reading about our diverse range of products and look forward to working with you in the true spirit of partnership to develop a solution that meets your expectation in every way. At the heart of everything we do, our values underpin the behaviours of our people and of our businesses across the Group:

- **Protecting people and our communities**
- **Acting with integrity**
- **Innovating and developing**
- **Operational excellence**
- **Accountability**

THESE MEAN A LOT TO US AND ACTS AS THE  
GUIDING PRINCIPAL OF OUR BRAND.

