

# PAPS

Perimeter Asset  
Protection **Systems**

RDS

RDS PAS 68

SecureGuard 20 & 30 PAS 68

SecureGuard 30 T2, 50 & CB

MultiFence

MultiFence PAS 68

Integrated Systems

Bollards & Access Control

Vehicle Pedestrian Access

Fencing Systems

Eyelynx

Where collaboration meets **innovation**

ems

ems is a unique  
design,  
and installation  
providers in the UK.

and Zaun have  
some truly innovative  
fencing solutions.

in product innovation  
dynamic and functional

This wealth of experience has come together to  
supply solutions which have been tested to the  
highest industry standards.

Manufacturing British-made perimeter protection  
systems, through to the supply and delivery of  
Highways Agency approved barrier systems,  
including logistics and installations of these  
products, PAsP supplies cutting-edge solutions  
to meet our customer's requirements.

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beginning.  
progress.  
success.

e, Zaun have developed developed RDS, a rapidly- with no below ground igation against attack by 60mph.

emely when attacked under y experts. Police forces 00% of the cost of police s as well as reducing on-

oncrete blocks, fence s to erect and remove the tes.

mr. Flexible added features CCTV, PIDs, vehicle gates icle and pedestrian access tion blocks to negate the dations.



ations

Vertical Wires	Horizontal Wires	Posts Centres	Panels fixed to posts
4mm	4mm	2.75m	Fixings every 400mm

Available with hostile vehicle mitigation enhancements. Speak with a member of the sales team for more information.



We can high s includ Arma with r levels by De Asso

## Features & Benefits

- Rapidly Deployable
- No Below Ground Foundations
- Up to Heights of 3 mtr

## Security fencing

SecureGuard block combined allows the fence panels to be erected in a matter of minutes.

It is a combination of high-tensile steel wire and a hostile vehicle mitigation mesh that forms the same fence line. This system is normally only seen in high security areas. The ease in which this system is installed makes it a good choice for disruption normally associated with a hostile vehicle. The fence line is at a minimum.

The system is a modular system that has been designed for rapid installation and pedestrian access. It is supplied with PAS 68 compliant posts and can also be incorporated with other security technologies. This entire system can be installed in a matter of ground pinning.

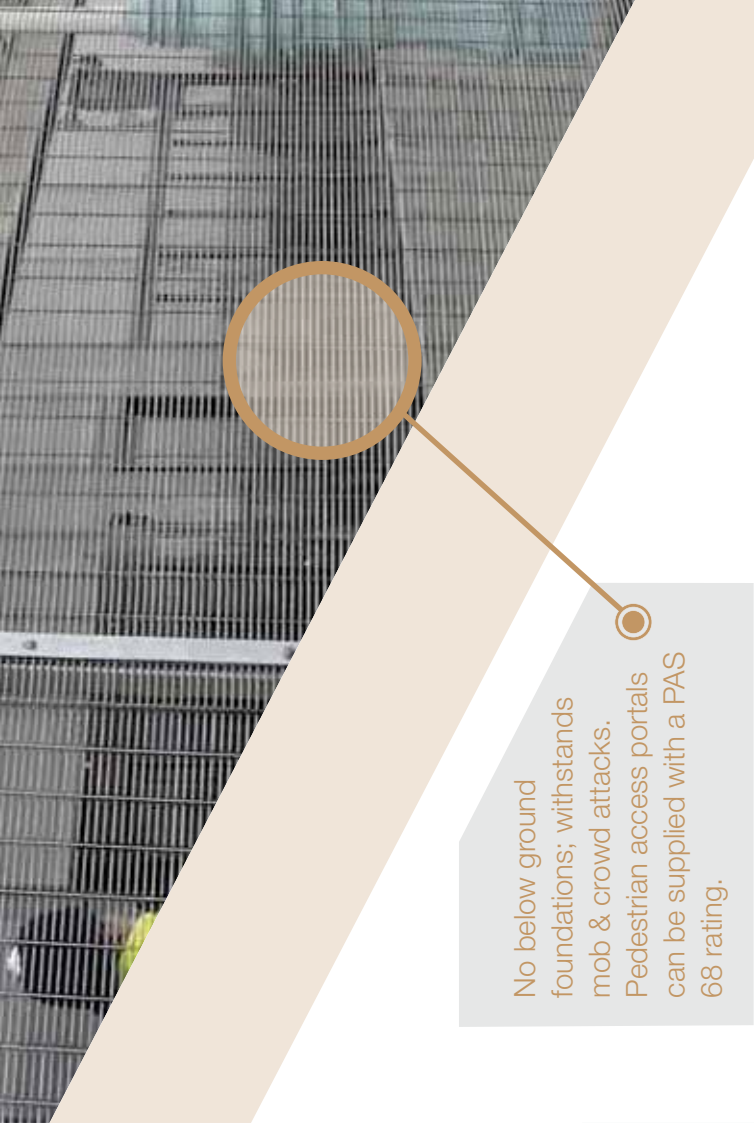
## Specifications

Vertical Wires: 4mm

Horizontal Wires: 4mm

Posts Centres: 2.75m

Panels fixed to posts: Fixings every 400mm



No below ground foundations; withstands mob & crowd attacks. Pedestrian access portals can be supplied with a PAS 68 rating.



RDS  
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semi

## Features & Benefits

- Rapidly Deployable
- No Below Ground Foundations
- Up to Heights of 3 mtr

# 30 & 30 PAS 68

## high security systems

anced perimeter protection vehicles that attempt to

ucts offers many unique table / temporary requirements AS 68 compliant, having been d to its requirements.

vo configurations that can be ation, should be assessed risk d 20 system provides 30mph s and 20mph protection at ngle Top) provides impact gree attacks and is used with rd products. These systems nstallation with a minimum of rd ground and soil anchors for tremely versatile option, ideal ent applications.

**S**er V/7500(N2)/32/90:0.0/2.2  
2)/32/90:0.0/0.0 (End Anchor Test)  
2)/48/90:3.7/0.0



Low maintenance, durable system. Speak with a member of the sales team for more information.



## Features & Benefits

- All variants tested & approved to PAS 68
- Low maintenance, durable system
- Ease of installation – shallow anchoring in hard

- Can be installed adjacent to providing protection to erran
- Rapidly deployable at locatio

Secur  
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levels  
Level  
350 (

# Model T2, 50 & CB

## Secure, temporary and HVM barrier systems

Secure (Advanced) represents a major gain by providing a highly installed vehicle barrier with

its cost effective delivery and providing 30mph protection include pedestrian portals, barriers and bollard systems ease of installation in soft ancillary products are carrier anchors which may be and anchor or shallow pin repaired concrete bases.

All SecureGuard barriers prior so when installed next to an errant vehicle safe from terrorist and criminal vehicle deterrent or if fitted to form a complete vehicle SecureGuard 50 offers 50mph protection with zero penetration tested by a Class N2 (7500Kg) to secondary attacks.

Secure surface mounted barriers. It is highly suited to shallow services or effective installation

### S

00(N2)/48/90:0.0/0.0

00(N2)/48/90:1.7/0.0



Rapidly deployable, PAS 68 tested & certified. Available with HiSec, HiSec Super 6/8/10 & ArmaWeave fence panels.



Secure protection and certified Secure a concrete and e

## Features & Benefits

- High performance, durable construction
- Crash friendly to normal road users – safe to use next to perimeter road
- Installation easily achieved using standard construction plant



## System

is a mobile, durable high-tensile system that requires temporary to

temporary fencing, and is available in various configurations. The posts are mounted on concrete blocks, which can follow a curve or an incline with ease.

Standard gate solutions for pedestrian and vehicle access, as well as CCTV columns, are available. The system is truly robust, temporary, and meets all of our security requirements.

In addition to the standard mesh configuration, the fence product line includes the iSec Super 6/8/10 and the iSec Super 12 for additional security to



Available for rental or purchase and no anchoring required. Speak with a member of the sales team for more information.



Flexible  
specialist  
vehicle

## Features & Benefits

- Allows for changes in direction and ground level
- Fence height up to 5 mtr in height
- CCTV extensions available

Vertical Wires	Horizontal Wires	Posts Centres	Panels fixed to posts
4mm or 6mm	4mm	1.5m	Fixings every 400mm
4mm	4mm	1.5m	Fixings every 400mm
4/5mm	4/5mm	1.5m	Fixings every 330mm

# PAS 68

## System

As the first companies to develop a vehicle mitigation patented design that meets the stringent requirements of BS EN12168:2000, PAS 68/90:5.0/0.0.

Increasing security risk has led to a demand for zero penetration technologies to nullify the attributes of

the attributes of the stringent requirements of BS EN12168:2000 Part 2 (vehicle mitigation) approved for use in the UK. This system is ideal for use in areas where the risk is high, as no below ground structures are required, and it can be



## System

0

Vertical Wires	Horizontal Wires	Posts Centres	Panels fixed to posts
4mm or 6mm	4mm	1.5m	Fixings every 400mm
4mm	4mm	1.5m	Fixings every 400mm
4/5mm	4/5mm	1.5m	Fixings every 330mm

Available with hostile vehicle mitigation enhancements. Speak with a member of the sales team for more information.



The system is available with a range of enhancements including: Multi-point up to 1000mm, also known as Multi-Point, for use in areas where the risk is high, as no below ground structures are required, and it can be

## Features & Benefits

- Allows for changes in direction and various ground conditions
- Suitable for hard or soft ground standings
- PAS 68 enhancements available

# Systems, Access Control

System enhancements can be offered as part of the Highway range. This also includes a rising arm barriers.

In conjunction with an extensive access solutions. These meet the specific security page 17-18 for details of Indian access solutions.

Manual swing gates for both panic latch access and a range of options can also be included.

## S

10.6/11.1

3.3/0.0

0.0/0.0

0/90:10.6/11.1

4/90-4.0-16.7

-0.0-0.0



02



04



03



Manual and automated rising arm barriers available. Speak with a member of the sales team for more information.



06

Author  
access  
and s

## Image References

(1) HCSS Rising Arm Barrier - PAS 68:2010: V/7500(N2)/48/90 0.0/0.0

(2) HCSS SecureGuard PAS 68 Bollards - PAS 68:2010: V/7500(N3)/80/90:10.6/11.1

(3) Zaun Rising Arm Barrier - PAS 68:2007: B3773:7500/48/90-0.0-0.0

## Pedestrian Access

### Street specific

Vehicle and pedestrian access permanent and temporary

Manual swing gates for both panic latch access and a variety solutions can also be your specific needs.

(Single pods), which can include gate access, form part of wide protection from hostile been tested to PAS 68 ratings.

Access gates (swing, supplied and maintained these solutions can be requirements of a site and panic latches to further



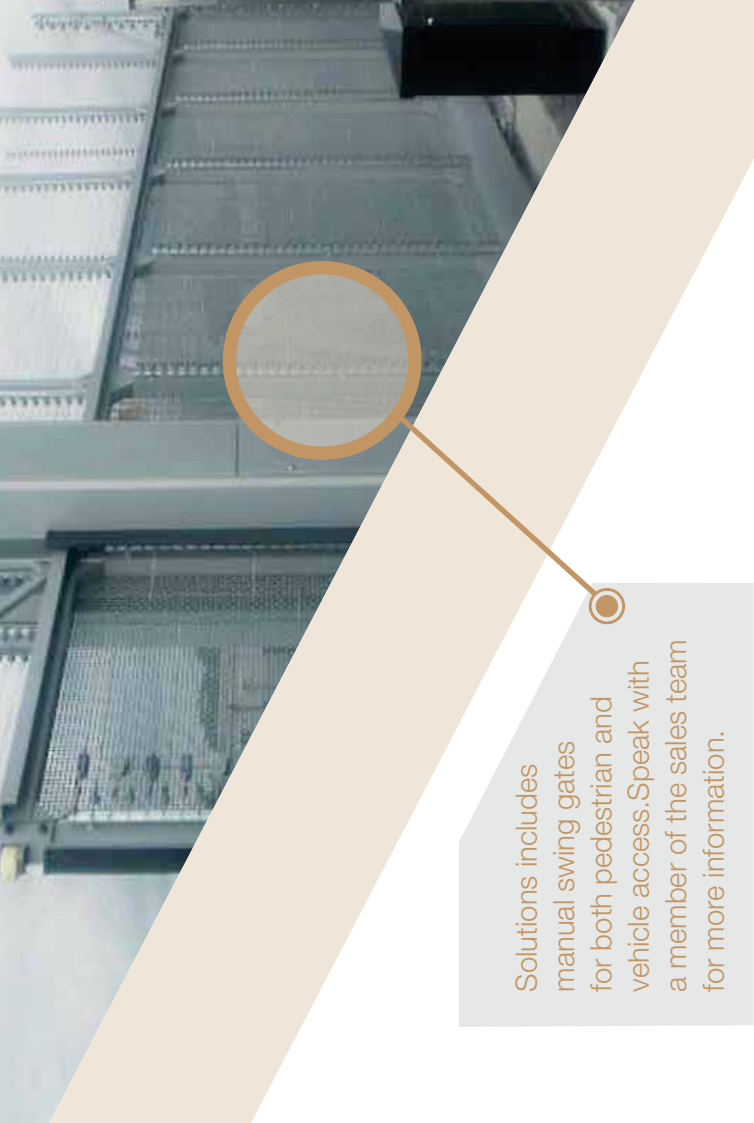
02



04



03



Solutions includes manual swing gates for both pedestrian and vehicle access. Speak with a member of the sales team for more information.



06

Automated access and s

## Image References

- (1) RDS, MultiFence & SecureGuard Access Portal
- (2) RDS Surface Mounted Double Leaf Vehicle Gate
- (3) Single Leaf Vehicle Gate

# ns v:

ange of fencing solutions,  
security ratings for each of  
ification of these materials.  
le attacks times taken  
ducts.

details of independent  
rovided upon request.



1 - Level 1

tem - Level 5

anufactured in sizes ranging  
post centres at 1.5m. This  
es a security deterrent for

level 1 system

## /8/10

ed through consultation with  
stem solution is designed to  
sites.

ed using techniques from  
ommon attributes, however  
m vertical wires and 76.2  
duces attack options to  
roduces increased delay.



## HiSec® Double Skin

Where sites require a more robust solution double skin HiSec is available. Two layers of the traditional Hi Sec mesh 76.2mm x 12.7mm x 4mm are either bolted or welded together with the rear secondary panel turned through 90 degrees making a very tight mesh configuration which is difficult to cut and almost impossible to climb.

The system conforms to BS1722 Part 14 Category 4. It has been extensively used in prisons and by the MoD to protect high security assets.



### HiSec® Double Skin

Guidance of security - Level 3 system

## HiSec Tube Detect™

In a new innovation, using the flexibility in our mesh manufacturing process, Zaun have been able to produce a HiSec mesh panel with a tube in place of either one or a number of the Horizontal wires.

This development will allow for discrete placement of microphonic cable systems and also offer protection against tampering. Along with this product, Zaun can offer a range of microphonic/fibre based, protection systems.

The discrete nature of the product means that would be intruder's are unaware of the existence of the system and so are easier to track and target. The system is also available in more conventional, medium security fences. Electronic controllers and or interfaces can also be housed in post centres to completely obscure the system.



# JS

## security fencing

design has been niche in the market and is the first on the market.

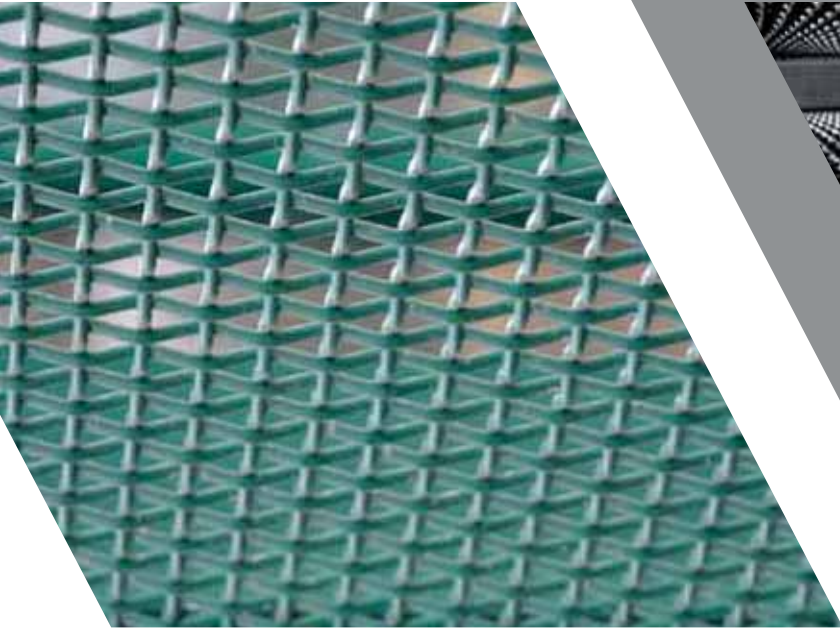
ven mesh system delay times from d, powered and n be offered from 3.

epartments criteria for forcible

limbing aids and d cutting tools to

level 4 system

level 5 system



Vertical Wires	Horizontal Wires	Mesh Pattern	Posts	Post Centres
4mm or 5mm	4mm or 5mm	12x12mm/12x50mm	80x40mm	2525mm
4mm or 5mm	4mm or 5mm	12x12mm/12x50mm	80x40mm	2525mm
4mm or 5mm	4mm or 5mm	12x12mm/12x50mm	140x120mm	2525mm
4mm or 5mm	4mm or 5mm	12x12mm/12x50mm	140x120mm	2525mm
4mm or 5mm	4mm or 5mm	12x12mm/12x50mm	140x120mm	2525mm



The tight mesh pattern offer no climbing aids. Speak with a member of the sales team for more information.



When perim Zaun requir Armed rated delay

## Features & Benefits

- Tight mesh offers no climbing aids
- Significant enhancement offered from attack by hand and powered tools



**on**

Management Systems  
 tion with intelligent analytics  
 es that fit easily onto Zaun

ce bound Perimeter Intruder  
 state RADAR, Access  
 rms and Public Address  
 ent analytic algorithms  
 ter security.

**ty Solutions**

**he Anywhere.**

solutions designed around

**onal** – powerful Security

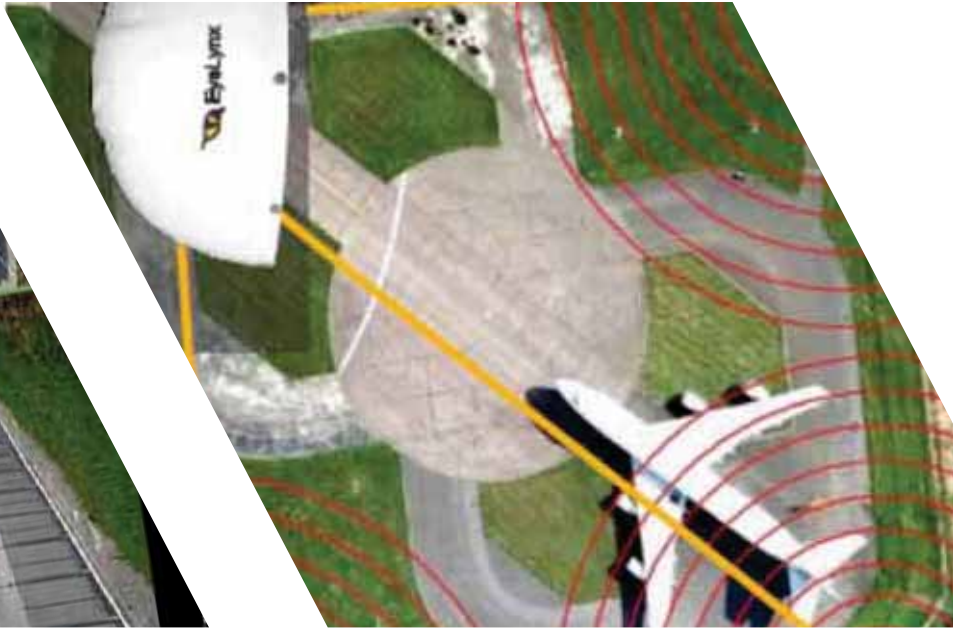
ard Network Video Recorders  
 ystems  
 vibration sensing cables

al, very easy to use Security  
 ows and Mac OS X.  
 it into cameras, RADAR,  
 gent software algorithms

o verification of any potential  
 yments with a common  
 ent of all security devices on  
 r live and review evidential  
 gs, control barriers and  
 e.

**R**

**eam forming RADAR**



**Pharos™**  
**Rapid Deployment CCTV system integrated**  
**with Zaun fencing solutions.**

Pharos™ integrates evidential quality full HD PTZ cameras with SharpView Micro NVR and 3G, 4G router for wireless transmission. Low power, portable, fully monitored solution with unique ERC Technology for recording multiple HD, MegaPixel cameras in a single unit. Gather vital video evidence at major events, sports arenas, festivals, public gatherings, demonstrations. Pharos™ can be supplied as a complete kit with power supply and tower. Always looking, totally reliable, indisputable evidence gathering system.

**SharpView Network Video**  
**Recorders**

Supplied using industrial or military grade hardware SharpView NVR are preinstalled with EyeLynx's Linux based SharpView NVR software which is world renowned for it's unsurpassed ability to record from several hundreds of HD and megapixel cameras simultaneously with minimal load on the processors.

Available in tiny hand held rugged PCs, rugged Military MIL-STD-810 and EU Rail approved EN50121, EN50155, EN61373 extruded aluminium enclosures through to steel 19-inch rack mount chassis with unlimited storage.

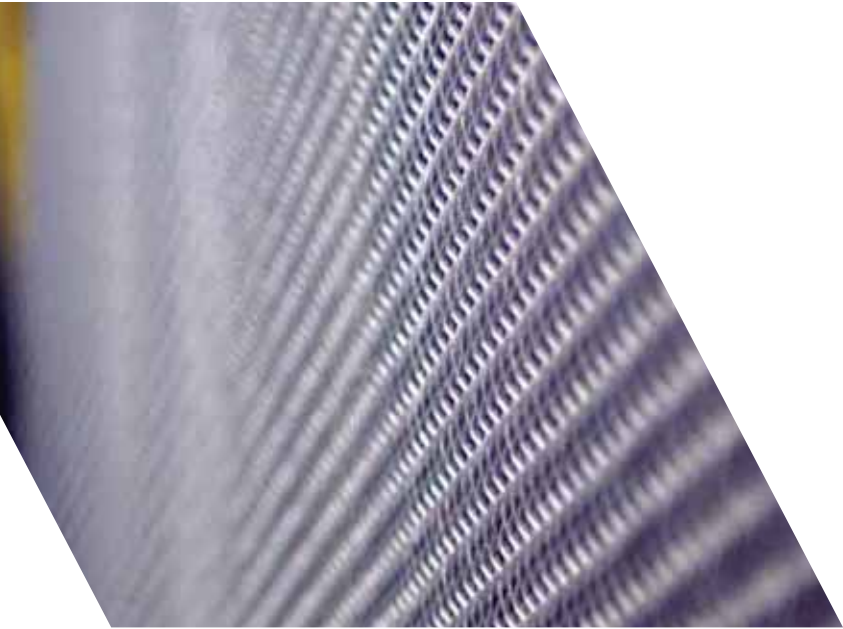
- **SharpViewMicro**, The World's smallest SharpView
- **SharpView Mobile**, The World's toughest SharpView
- **SharpView Corporate**, The World's fastest SharpView



**Perimeter Intruder**



**Electrified Perimeter**



Systems are specified by British Prisons along with prisons and other facilities. As they are chosen as they boast the highest standards available, these include the highest Available Specification ratings.

In the front of the perimeter protection in many trade organisations.

By Suppliers Association (PSSA) certifies this level of involvement.

Look at it, we have the edge in

## Services

From the supply and installation of barriers, Hardstaff Barriers can provide vehicle mitigation (HVM) systems, a range of safety barriers and the associated equipment.

Our haulage fleet we provide, incorporating the supply, installation of barriers and, if required, concrete units. This specialist division is for innovation and development in Hardstaff Barriers. We have excellent customer relations across the country.



## Highway Care

Highway Care Security Solutions is a leading manufacturer and installer of HVM barriers and perimeter protection products. Customer demand for a highway vehicle safe barrier, combined with a high containment HVM barrier has led HC SS to develop the SecureGuard range, a system that delivers portable and permanent solutions with flexible levels of protection and offers a suitable platform for continuing product development".

SecureGuard systems are certified to UK BSI PAS 68:2007 or UK BSI PAS 68:2010. Equivalent values for USA standard ASTM F 2656 – 07 are available upon request.

HC SS are members of the UK Perimeter Security Suppliers Association (PSSA) and our customers include major airports, key bank cash handling facilities, government departments and special event organisations.



## Zaun

One of the largest and most dynamic manufacturers of high security perimeter protection systems within the UK, with regional offices in France and Dubai, Zaun boasts an extensive range of temporary, PAS 68 and permanent fencing solutions as well as demonstrating the ability to integrate CCTV and PID systems into our leading product range.

With systems tested by independent organisations and governments to the most stringent criteria and carrying a 12-year guarantee, our systems protect sites of critical and national importance on a global scale.

With manufacturing accredited to ISO 9001:2008 standards and membership to Sedex - ethical supply chain initiative, Zaun's state of the art production facility in the West Midlands manufactures our products to the highest standards.

## ZAUN



# PAPS

Perimeter Asset  
Protection **Systems**



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