



File No: SF0873

MS

Your Ref: DA0031/2015

07/09/2015

Catherine Mainsbridge  
PO Box 396  
LAUNCESTON TAS 7250

Dear Catherine,

### Additional Information - DA 0331/2015 Launceston Aquatic Security Fence

I refer to your request for additional information in relation to the above mentioned permit application, and provide the additional advice below.

#### Development Description

This permit application relates to the modification of the existing fence enclosing the outdoor pool and recreation area at the Launceston Aquatic Centre. The proposed modifications are required to provide enhanced facility security, and to create an enlarged area for facility patrons with improved shading (via existing, established trees) within close proximity to the outdoor pools area.

The existing fence construction does not provide adequate site security, and provides little deterrent to individuals attempting to access the facility outside normal operating hours. Ongoing, unauthorised after-hours access poses a significant risk to the health and safety of individuals illegally accessing this part of the facility - particularly when the facility is unattended. Due to the high number of unauthorised entries over the summer and school holiday periods, the facility currently engages a security contractor to patrol the external pools area, outside of normal operating hours. Maintaining this supervision is not an operationally sustainable undertaking due to the high ongoing cost.

The facility is currently planning the installation of thermal pool blankets on the outdoor pools, as an energy efficiency initiative that is likely to deliver significant cost savings. However, this initiative cannot be progressed due to the increased chance of drowning or injury given the known pattern of unauthorised access in this area.

The Site Plan provided with the application sets out the proposed fence alignment. As a result of this change, the pedestrian footpath linking the Aquatic Centre and Windmill Hill Memorial Hall car parking areas will also require realignment.

A proprietary "anti-climb" fencing material is proposed to be used: **LEDA Securamesh Anti-climb Fence**. The small aperture size of the welded mesh fencing panel prohibits finger and toe holds to prohibit access. The small mesh diameter also maintains good visual access

through the fencing material to minimise the aesthetic impact on the parkland area. The new fence is proposed to be **2.4m** in height, supported by proprietary steel post sections of the same height, with both elements to be finished in a dark grey powder coated finish.

In addition to the new fencing construction, a proprietary three-wire electronic detection system will be installed along the inner-face of top line of the fence. The ***ForceField Security Fence Monitoring System*** will be integrated into the facility security system, to provide intrusion notification and alarms to the facility's third-party security monitoring provider.

The top detection wire will be mounted an additional **200mm** above the top line of the mesh fence panels, or approximately **2.6m** above ground level.

### Landscaping Works

As part of the fence re-alignment works, the existing garden bed located adjacent to the existing fence line (on the external side of the fence), is proposed to be relocated. All existing viable planting will be salvaged, and be transplanted adjacent to the new fence line, in the same arrangement. Any plants that cannot be salvaged for relocation will be replaced on a like-for-like basis.

The schedule below sets out the species of planting from the current landscaped area, proposed to be salvaged and relocated:

SPECIES	QUANTITY
Cornus florida 'Rubra'	4 @5m cts
<b>SHRUBS</b>	
Rhododendron kurume (Azalea - Purple)	20 @ 2m cts
Rhododendron kurume (Azalea - Red)	20 @ 2m cts
Rhododendron kurume (Azalea - White)	20 @ 2m cts
Euonymus alatus 'Compactus'	6 @ 2m cts
Nandina domestica 'Nana'	50 @ 600cts
Camelia Sasanqua 'Pure Silk'	24 @ 1.5m cts
<b>GROUNDCOVERS</b>	
Helleborus orientalis 'Lenton Rose'	45 @1m cts
Dianella tasmanica	40 @ 600mm cts
Liriope muscari 'Evergreen Giant'	80 @ 500mm cts

As per the current arrangement, the relocated plants will be arranged in a linear form, parallel to the fence line, with larger species of trees and shrubs located adjacent to the fence, and smaller groundcover varieties adjacent to the pedestrian pathway.

**None** of the existing mature trees located in the vicinity of the proposed works are proposed to be removed.

The enlarged area within the proposed new fence line will be landscaped as a grassed area for use by facility patrons, as per the proposed plan provided with the permit application.

Given the works propose to only relocate (or replace, like-for-like as necessary) the existing planting in the same arrangement, the proposal is considered to be in keeping with the existing character of the surrounding area, and have minimal impact with regard to the *Landscaping and Scenic Management Code* provisions of the Planning Scheme.

### Additional Dimensions

Please find attached to this correspondence two PDF files, containing:

- An updated *Title Plan*, including property boundary dimensions.
- An updated *Site Plan*, showing the proposed new fence and footpath alignments, with dimensions added to the scaled plan showing distance from the existing fence line to the proposed fence line, and distance from the existing footpath to the proposed footpath.

The information contained within this correspondence, along with accompanying dimensioned plans, satisfies the request for additional information. Please do not hesitate in contacting me should you require any additional information, or clarification, regarding this permit application.

Yours sincerely



Matthew Skirving

**Manager Architectural Services**





**Legend**

- Proposed relocated perimeter fence line
- ⊕ Proposed relocated light poles
- - - Existing path
- ⊕ Existing light poles

**Notes**

**New anti-climb security fence**  
 2400mm high "Leda Securamesh" steel mesh fencing panels with RHS Steel fence posts. Charcoal powder coat finish.  
 Three row "Forcefield" live wire instruction detection system installed to top line of new fence panels.

**Proposed planting**  
 - a blend of native and exotic plants providing year round interest  
 - re-use of existing plants where possible

**Title:** Launceston Aquatic Perimeter Fence Design Concept

**Project:** Launceston Aquatic High Street, Launceston

**Date:** 28 May 2015

**Design by:** Karen Johnson

**Project number:** 01.01.04.15v1

**Scale @ A2:** 1:500

All dimensions to be verified on site by contractor prior to commencement of any work or construction drawings.

This drawing remains the property of the designer and may not be used without permission. It is a design concept only and not to be used for construction purposes.

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 Launceston Tasmania 7250

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# Securamesh anti climb fence



## Product Code

FS27

## General Description

Securamesh is Australia's leading welded mesh fencing system; used widely across a range of medium to high security applications requiring the need for a robust & high tensile strength physical barrier system with significant anti-climb & anti-corrosive features.

It is used in a broad range of sites - examples include electricity distribution sites, prison perimeter areas, seaports, airports, warehousing facilities & wildlife sanctuaries.

### Features

- \* Finger -resistant, anti-climb, anti-cut profile
- \* Rear anti-tamper fixings for added strength
- \* Can be integrated with electric fencing
- \* Mesh allows for ease of visual surveillance
- \* Installation on level or sloping sites
- \* High resistance to corrosion - zinc aluminium alloy coatings conform to AS2423-2002
- \* End wires contribute towards better overall strength & resistance against forced & covert attack
- \* May be fully integrated with posts, anti-tamper fixings, security toppings & electric fencing
- \* Resistant against hand tools & leverage attacks.
- \* Allows for relatively clear & unobstructed views from either side of the barrier by way of patrolling security staff or surveillance systems.
- \* Minimal components allows for flexibility in transportation, installation & maintenance.
- \* Design allows installation on level or sloping sites.
- \* Simple to install.

## Technical Details

### Materials

4mm Ø wire welded at each intersection  
Aperture 75mm x 13mm  
RHS steel section uprights  
Securamesh panel sizes  
Width 2404mm  
Height 2396mm (52.1kg), 2994mm (65kg), 3605mm (76kg). Can be adjusted to suit.

### Finish options

Zalcote - Zinc and aluminium alloy coating as standard  
Galvanised  
Bright  
Powder coating

## Options

Electric Fencing

Shark Tooth' top plate

SCEC endorsed models

A paneled version of the Securamesh may also be installed on jersey barriers.



## Accessories

No accessories available for this product.

## Contact Details

Leda Vannaclip Pty Ltd

**Local office contact details**

**Phone:** 1300 780 450

**Email:** [lvsales@l-v.com.au](mailto:lvsales@l-v.com.au)

**Web:** <http://www.ledasecurity.com.au/>

**Product Link:**

<http://www.ledasecurity.com.au/Securamesh-anti-climb-fence>



**PLANNING EXHIBITED DOCUMENTS**  
 Ref. No: DA 0331/2015  
 Date submitted: 12/09/2015  
 Planning Administration: *[Signature]*

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# ForceField®

New Generation  
**FORCEFIELD® Security Fence Controllers**

**(MAT)\*  
 Advanced  
 Technology!**

*\*(Multi Alarm Technology,  
 Double the Security)*

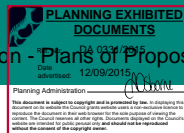
**Full live wire  
 up to 40 zones**



Manufactured by  
**AUSTRALIAN SECURITY FENCING P/L**







FORCEFIELD®  
Protecting your interests



## The System

The System includes between 1-20, two channel ForceField controllers and keypads. Applications can include a maximum of 40 individual electric fence zones or 20 full live wire dual detection fence zones. Regulated pulses are monitored for cut, short, climb, tamper and cross coupling. Touching the fence will provide a short, sharp, safe electric shock. Each fence zone may be configured to monitor in Low Voltage mode providing monitoring of the fence integrity during normally disarmed time periods.

The ForceField system is expandable through its unique network controller or PC interface. Network controllers provide the capability to programme each controller's inputs and outputs independantly throughout the system. The ForceField system provides virtually unlimited expansion options.

### FULL LIVE WIRE FENCE

The ForceField control units provide a unique ability to detect cross coupling of any two zones. This feature allows for every wire in the fencing system to not only be monitored but also provide a backup system should one zone be attacked, ie. a full live wire fence system provides two levels of detection.

### KEYPAD

The intelligent LCD keypad displays information regarding all programmable options of the ForceField controller. Features such as arming/disarming, area control and real time voltage are displayed on the keypad's large graphic display.

### PURPOSE BUILT AND DESIGNED

Each of the ForceField controller components have been designed specifically for the function it performs, optimising the system for ease of use, installation and service throughout its life span.

### INDIVIDUAL ZONE CONTROL

Each ForceField channel or zone may be armed individually in both high voltage and low voltage modes. This allows for total control for access or servicing of individual areas around the site.

### FEATURES

- Full live wire fences with two levels of alarm.
- Low power mode for continuous fence monitoring.
- Fully integrated up to 18 zones.
- RS485 via RJ12 (telecom connector) for LCD keypad.
- LCD keypad for installation configuration and user display and control.
- Three isolated remote control inputs.
- Five user assignable relays which default to useable options.
- Expansion Header for RF link and other future options.
- 2.0 joules output energy per channel.
- Selectable Zone Control.
- Pulse synchronisation.
- Industrial wall mounting IP55 polycarbonate case large enough to include 7aH battery. Dry contact alarm relays with both changeover contacts available.
- Many digitally adjustable parameters including fence voltage alarm level via optional user keypad.
- Fail-safe relays (General and Fence relays are normally energised to indicate a "no alarm" condition).
- Integrated battery charger for un-interruptable operation from a backup 12V battery.
- AC fail, Low Battery and Bad Battery detection
- Alarm log event register.
- Adjustable energiser power output level.
- Inbuilt enclosure tamper detection.



### Gold Guarantee

*An extended 2 year warranty applies to all certified FORCEFIELD systems implementing approved maintenance programmes.*





**INNOVATIVE • MODERN • INTELLIGENT**

**THE FORCEFIELD ENERGISER**

The FORCEFIELD® is an advanced energiser for security electric fences incorporating a battery charger and monitor. It has programmable options (setup parameters) which can be programmed using a keypad. FORCEFIELD® energisers may be linked to form a "group" to power multiple sectors.

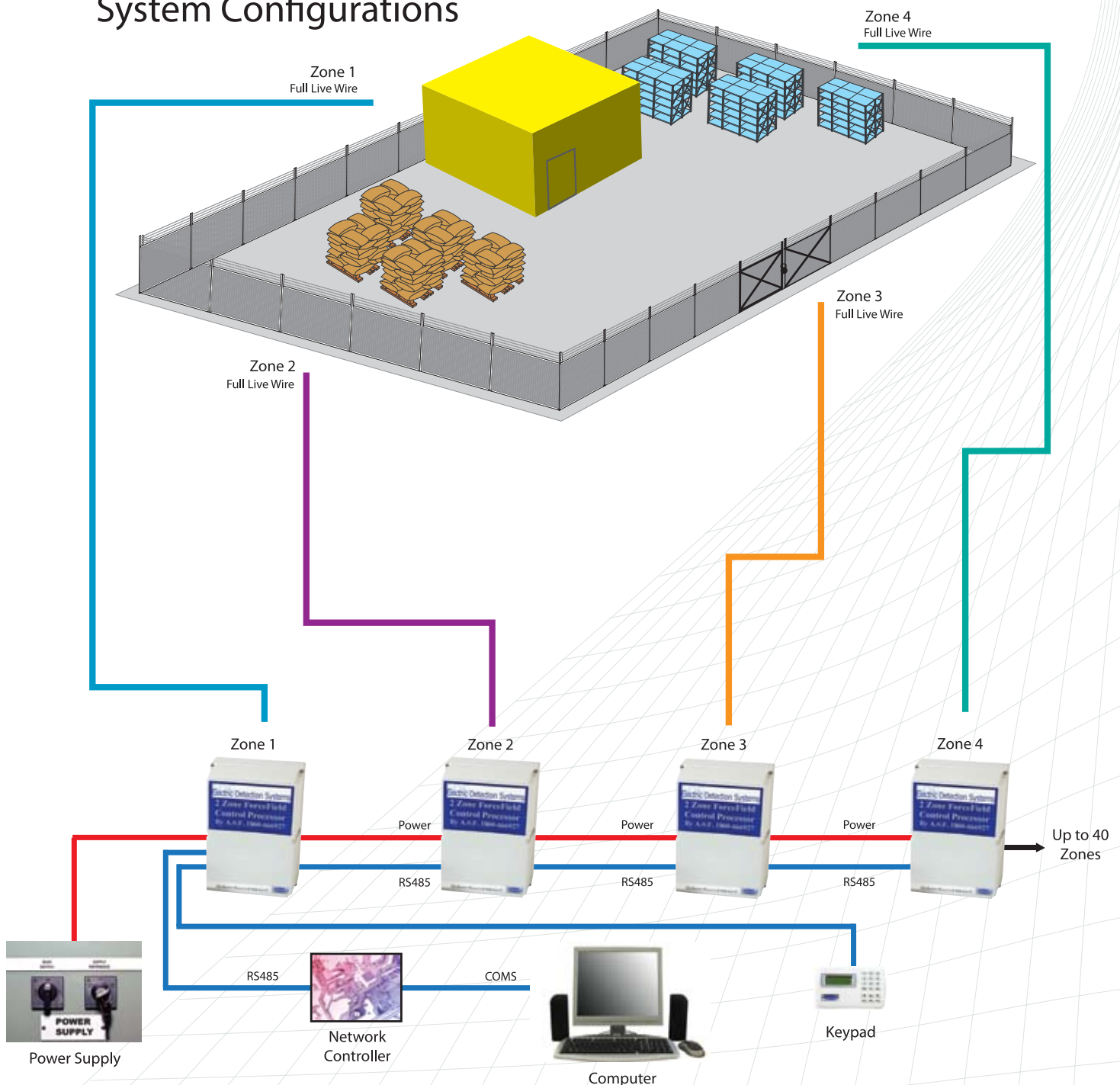
The FORCEFIELD® supports "all live wire" fences. When using this option, two sets of live wires in one zone are driven from the FORCEFIELD®'s dual outputs. The FORCEFIELD® will detect one wire cut or shorted to ground, or both wires cut, shorted to ground or shorted to each other.

The FORCEFIELD® series energisers are advanced industrial security energisers designed specifically for the more complex security electric fence systems. The FORCEFIELD® is a dual channel conventional security energiser. It has two independent output channels so it is equivalent to having two energisers in one enclosure. Each channel has a high voltage output and a monitor return input. There is a separate control on/off output for each channel.

Please refer to the diagram below.



**System Configurations**



## TECHNICAL SPECIFICATIONS

Specification name	Specification
Energiser output voltage	8.5kV peak no load, 2.0J at 500R
Temperature Range	-10° to 45° Celsius
Pulse Rate	Crystal locked at 0.8Hz
12V DC Power consumption	Energiser On - 570mA (average) Energiser Off - 100mA
Battery charger AC power input	16-18 Vac 1A recommended
Standby current	105mA
Weight	3.2kg excluding battery
LCD Keypad	Intelligent LCD graphic, backlit with soft key function
Keypad Cable Distance	Up to 300m
Battery charger output	Float voltage 13.8V, 300mA short circuit protection
Backup battery	12V 7Ah minimum 8 hrs backup
Control inputs	Suitable for potential free (dry) contacts or switched 5-12V. See input table. 3 per controller
Relay outputs	Isolated dry contact, change over, relay rated at 1A, 30V. 5 per controller
Number of controllers, zones	1-20 controllers, 2-40 HV and LV zones
Enclosure	IP55 300mm x 220mm x 150mm
Network Controller	Data gathering via RS485

## UNIQUE FEATURES

- **Full live wire fencing system (No unmonitored earth wires)**
- **Multi Zone Intelligent Controllers (Fully integrated — up to 40 zones)**
- **Dual Levels of Detection**
- **High/Low Voltage Monitoring**
- **Full backup protection against attack**
- **Expandable through network controller and PC interface**
- **Australian made and guaranteed**

### Other Products by Australian Security Fencing P/L include:



**RAZAR TAPE**

Razar Tape® range of high security fence toppings



**CROC TOP**

Croc Top® range of high security fence toppings



**SECUREMAX**

Securemax® range of high security fencing products



**Australian Security Fencing Pty Ltd**  
 138 Fairey Road, South Windsor NSW 2756  
**Ph: 1800 666 927**  
**www.asf4u.com.au**



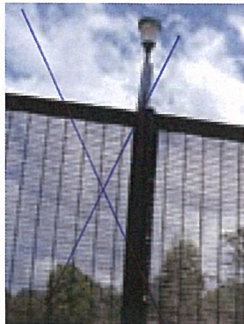
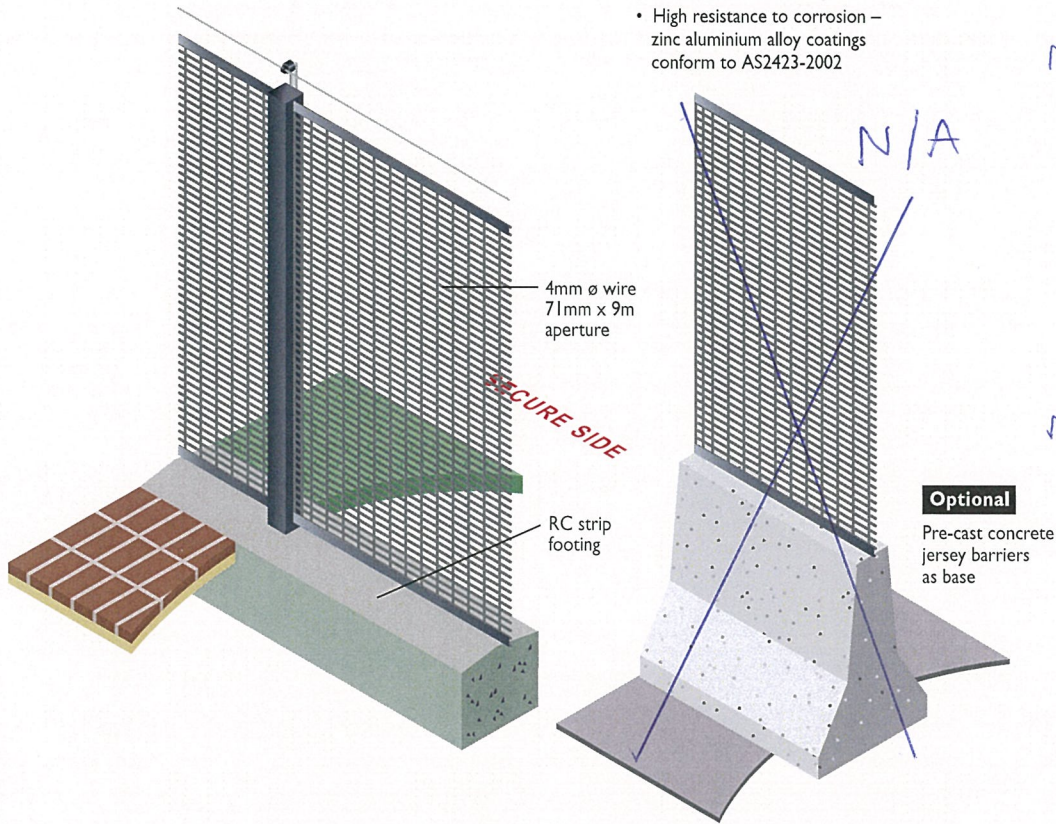


# Fencing

## SECURAMESH

- Materials**
- 4mm ø wire welded at each intersection
  - RHS steel section uprights
- Finishes**
- Zinc aluminium alloy coating as standard
  - Powder coating optional

- Features**
- Finger-resistant, anti-climb, anti-cut profile
  - Rear anti-tamper fixings for added strength
  - Can be integrated with electric fencing
  - Mesh allows for ease of visual surveillance
  - Installation on level or sloping sites
  - Corrosive resistant
  - High resistance to corrosion – zinc aluminium alloy coatings conform to AS2423-2002



Securamesh is Australia's leading welded mesh fencing system; used widely across a range of medium to high security applications requiring the need for a robust and high tensile strength physical barrier system with significant anti-climb and anti-corrosive features.

It is used in a broad range of sites – examples include electricity distribution sites, prison perimeter areas, seaports, airports, warehousing facilities and wildlife sanctuaries.

### General Features

- End wires contribute towards better overall strength and resistance against forced and covert attack.
- May be fully integrated with posts, anti-tamper fixings, security toppings and electric fencing.
- A panelled version of the Securamesh may also be installed on jersey barriers as part of Leda-Vannaclip's Crowd Control Barrier Series.
- Resistant against hand tools and leverage attacks.
- Allows for relatively clear and unobstructed views from either side of the barrier by way of patrolling security staff or surveillance systems.
- Minimal components allows for flexibility in transportation, installation and maintenance.
- Design allows installation on level or sloping sites.
- Simple to install.