

Solutions for Improved
Habitats by Design





Established with an aim to provide **Aesthetics**, **Security** and **Sustainable** perimeter security solutions. The team works closely with Architects, System Integrators and EPC contractors for such projects.

Our Expertise



**Site Specific
Customization**



**Solution
Design**



**Fast Project
Completion**



Partnerships

Our Partners



ansglobal

permavoid



..... A1 UNICO



Our Brand

A1 Unico is a brand that challenges conventions and paves way for the future of **PROTECTION**

It focuses on ingenious designs that enhance the architectural grandeur and bring your **UNI**que **CO**ncepts to life.



Aesthetics



Modularity

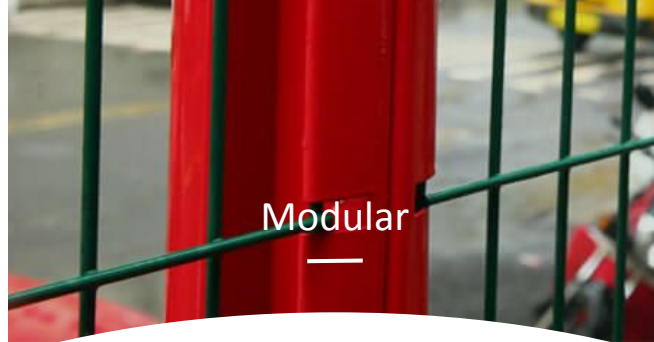


Sustainability





Aesthetics



Modular



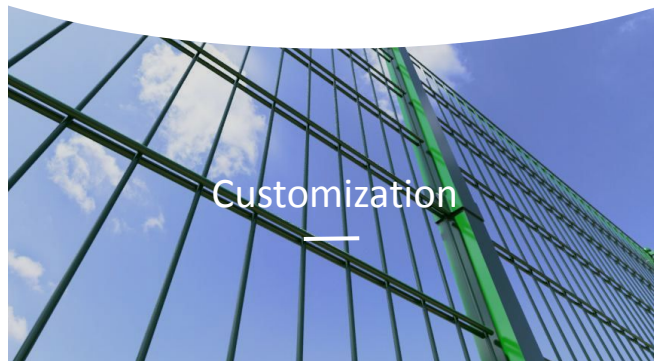
UNICOat Finish

The UNICO logo is displayed in a white oval. The letter 'U' is red, and the letters 'NICO' are purple. The letters are stylized and blocky.

Promise



High Quality



Customization



Choice of Color



ALNICO

Aesthetic
Demarcation Fencing

UNICOPrima

UNICOPrima is a modular weldmesh fencing system that combines affordability with elegance and durability.



Private
Bungalows



Residential
Buildings



Corporate
Parks



Parks &
Gardens



Walkways



Factories &
Warehouses





ELEGANT

The distinctive mesh pattern of 200 x 50 mm adds elegance & aesthetics to the perimeter



EASY INSTALLATION

The panel can be quickly easily fixed into the unique post profile providing a strong fit.



NO FIXTURES

The unique post profile of UNICO prima eliminates the need for any fixing components or welding & fabrication onsite.

UNICOShield

UNICOShield is strong welded mesh system having anti climb & anti cut features along with high visibility making it ideal for medium and high security.



Private
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Corporate
Parks



Schools &
Colleges



Factories &
Warehouses



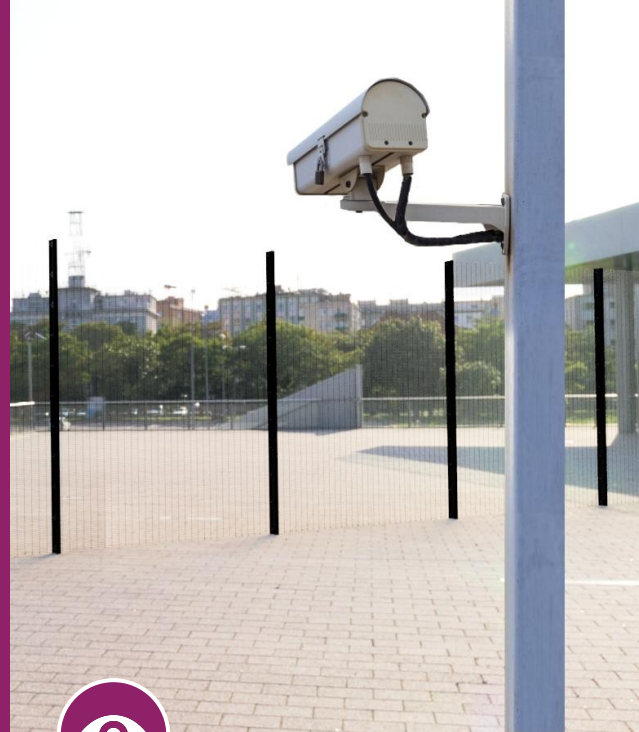


ANTI CLIMB

The Mesh size of 76.2 X 12.7 mm makes it difficult to grip thus prohibiting any chances of climbing the fence.

ANTI CUT

The dense mesh inhibits ingress of commonly available cutting tools like pliers which makes the fence difficult to cut



GOOD VISIBILITY

The fence although being so dense gives clear visibility so that it is CCTV friendly exposing the intruders.

UNICO Aura

UNICO Aura is our modular weldmesh fencing system with built-in illumination.



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INNOVATIVE DESIGN

The post light design is such that it is seamlessly integrated with the post giving a clean and monolithic look.

EASY INSTALLATION

The fence post light can be easily installed using nut and bolts giving a snug and clean finish.



WATER PROOF

The fence post light is water proof certified making it suitable for applications in extreme weather.

UNICORoyale

UNICORoyale is a premium demarcation fence with a unique twin wire welded mesh structure which imparts unmatched aesthetics and improved structural stability



Private
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Parks



Parks &
Gardens



Roadways





STRONG

The fence boasts the thickest wires at 8 mm for twin horizontal wires and 6 mm for vertical wires.

STURDY

Thick wires eliminate the need to have a V-bend because making it possible to have a flat installation without worrying about waviness.



OPTIONAL ARCH TOP

The fence comes with an optional customizable decorative arch top to create a more personalized perimeter demarcation solution.

UNICOWave

UNICOWave a continuous wave pattern which offers better aesthetics along with anti-climb & anti-cut features.



Anti-Climb



Anti-Cut



**Good
Visibility**



UNICOClassic

UNICOClassic uses long vertical steel square tubes fixed in artistic pattern which offers aesthetics, modularity & protection.



High Strength



Anti-climb

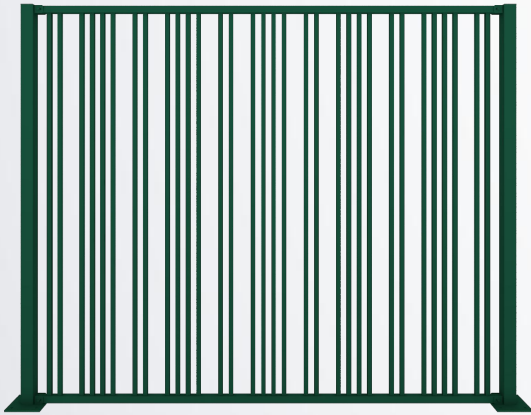


**Aesthetic Design
Patterns**

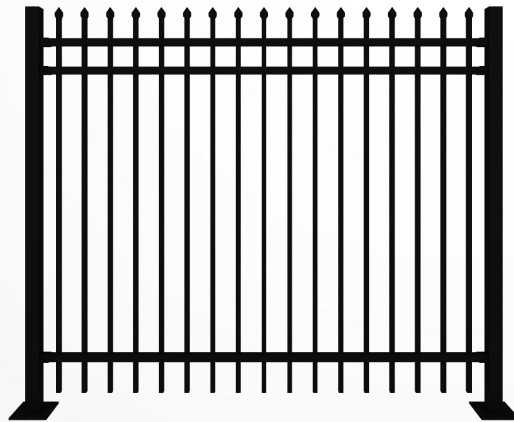


UNICOClassic

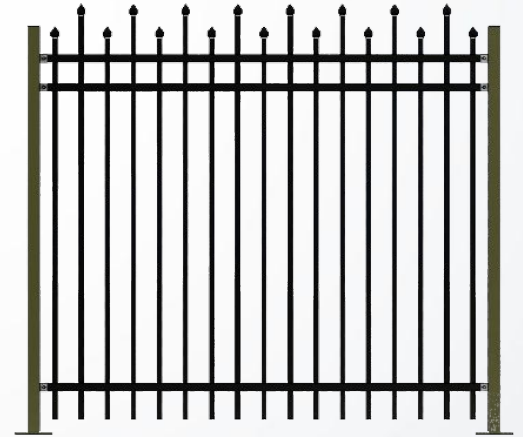
Variants



CLASSIC 1



CLASSIC 2



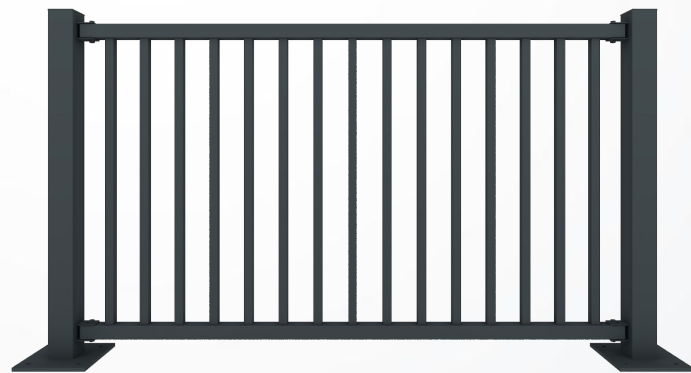
CLASSIC 3

UNICOClassic

Variants



CLASSIC 4



CLASSIC 5

UNICOCanvas

UNICOCanvas fence is an artistic fence which consists of colourful “PIXELS” clipped to the fence to produce a design



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Corporate
Parks



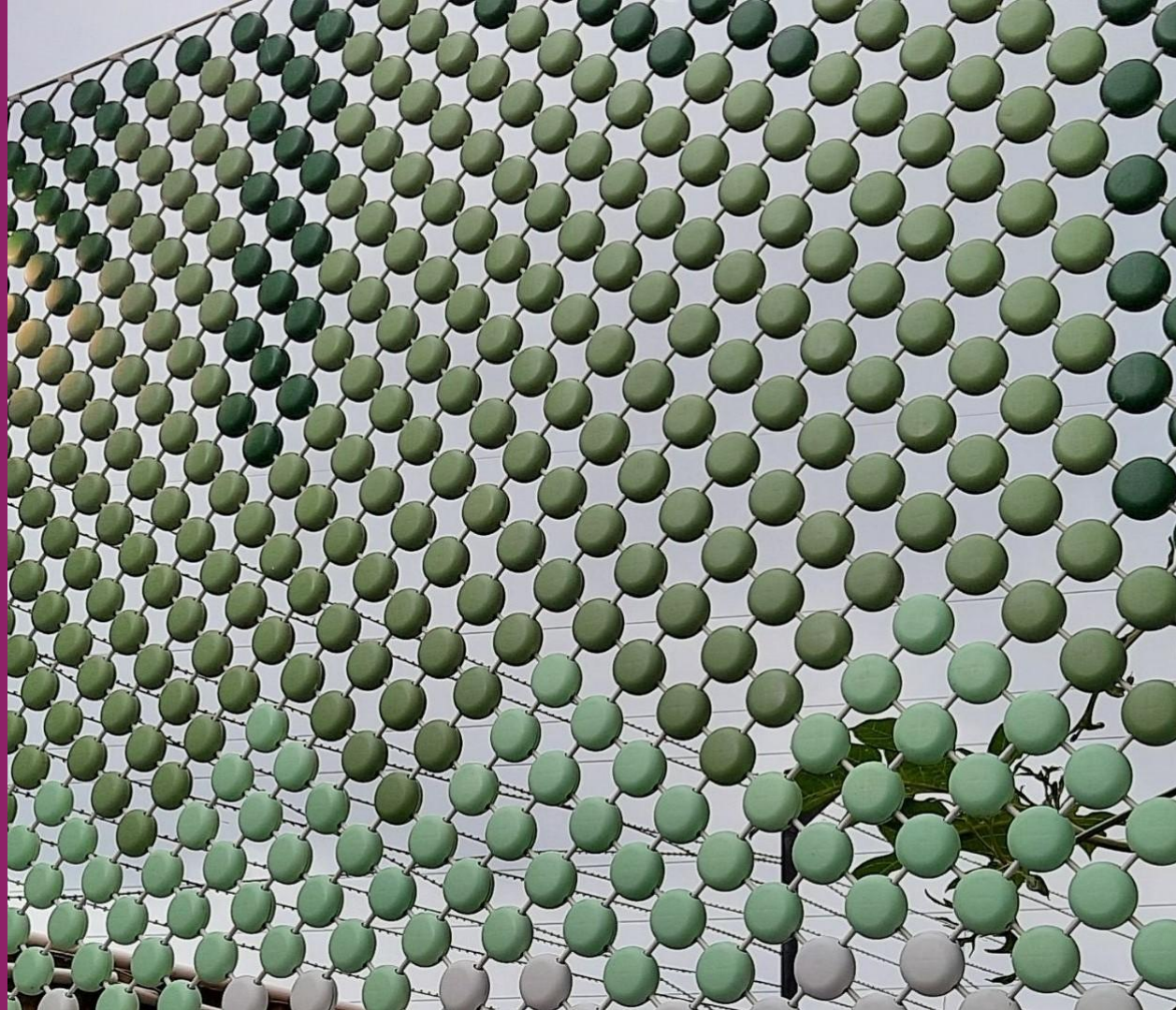
Parks &
Gardens



Schools &
Colleges



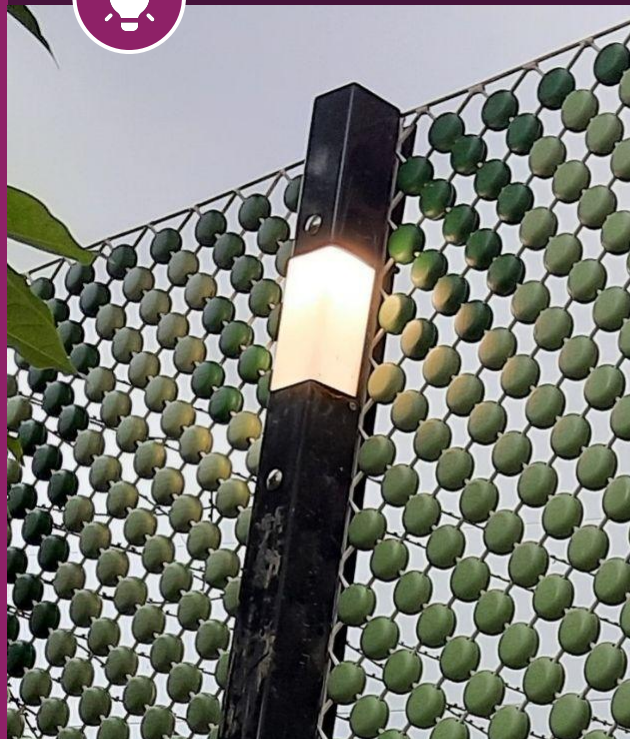
Factories &
Warehouses





OPTIONAL INTEGRATED LIGHTING

Give a warm aesthetic look to your perimeter at night using optionally integrated fence illumination.



ENDLESS CUSTOMIZATION

UNICOCanvas lets you express your imagination on the fence by converting it into a Canvas or a facia.

UV PROTECTION

The pixels provide UV protection which helps in eliminating the colour fade of the pixels due to long exposure to sun.

The **UNICO**Pro

UNICOPro

The New UNICOPro combines
**Modularity, Aesthetics &
Customization** thereby offering a
complete perimeter security solution.



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Parks &
Gardens



Sport
Arenas



Factories &
Warehouses





UNIVERSAL POST

The UNICOPro post allows to connect any UNICO panel to the post without the need of any special fixing arrangement.

SMART CLAMPS

The smart U clamps eliminate the need for an extra post for corner installations.

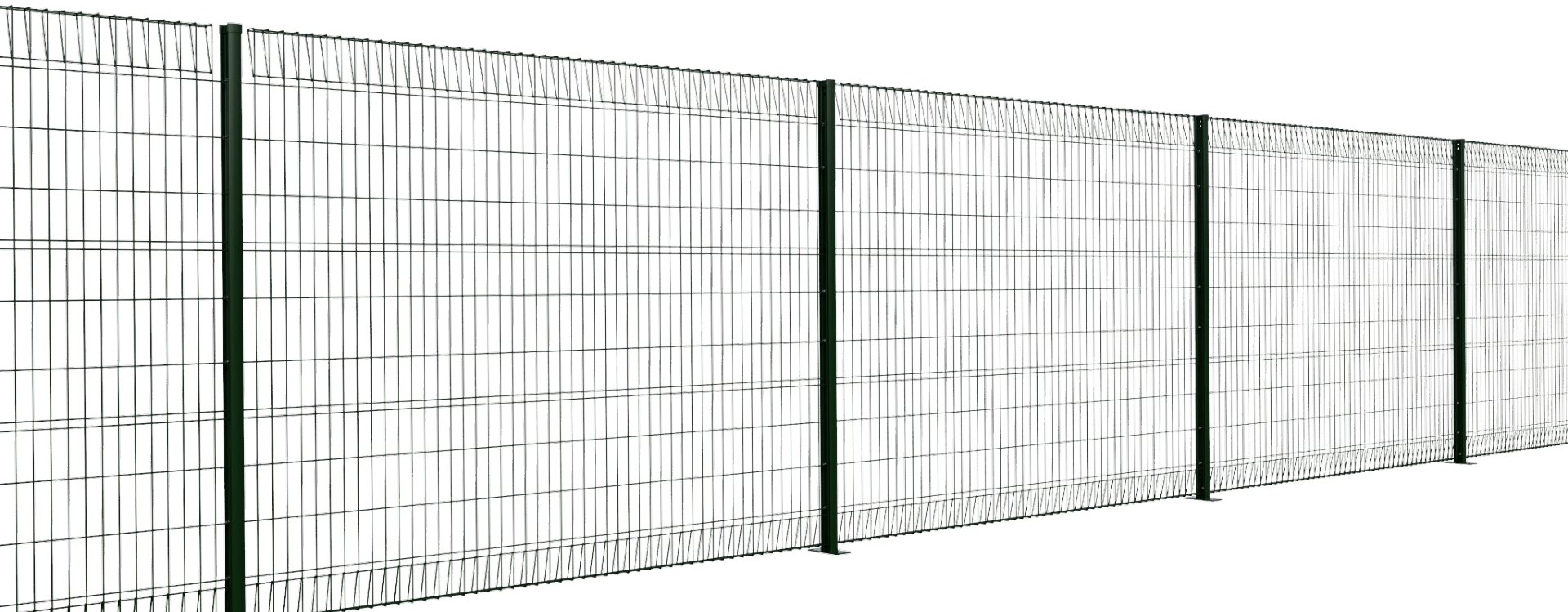


MODULAR FENCE ADD ONS

Comes in multiple fence add on options like wall spikes, razor blade tapes, concertina & crank panel.

UNICOPro

(Basic)



UNICOPro

(Spike)



UNICO Pro

(Crank Panel)



UNICOPro

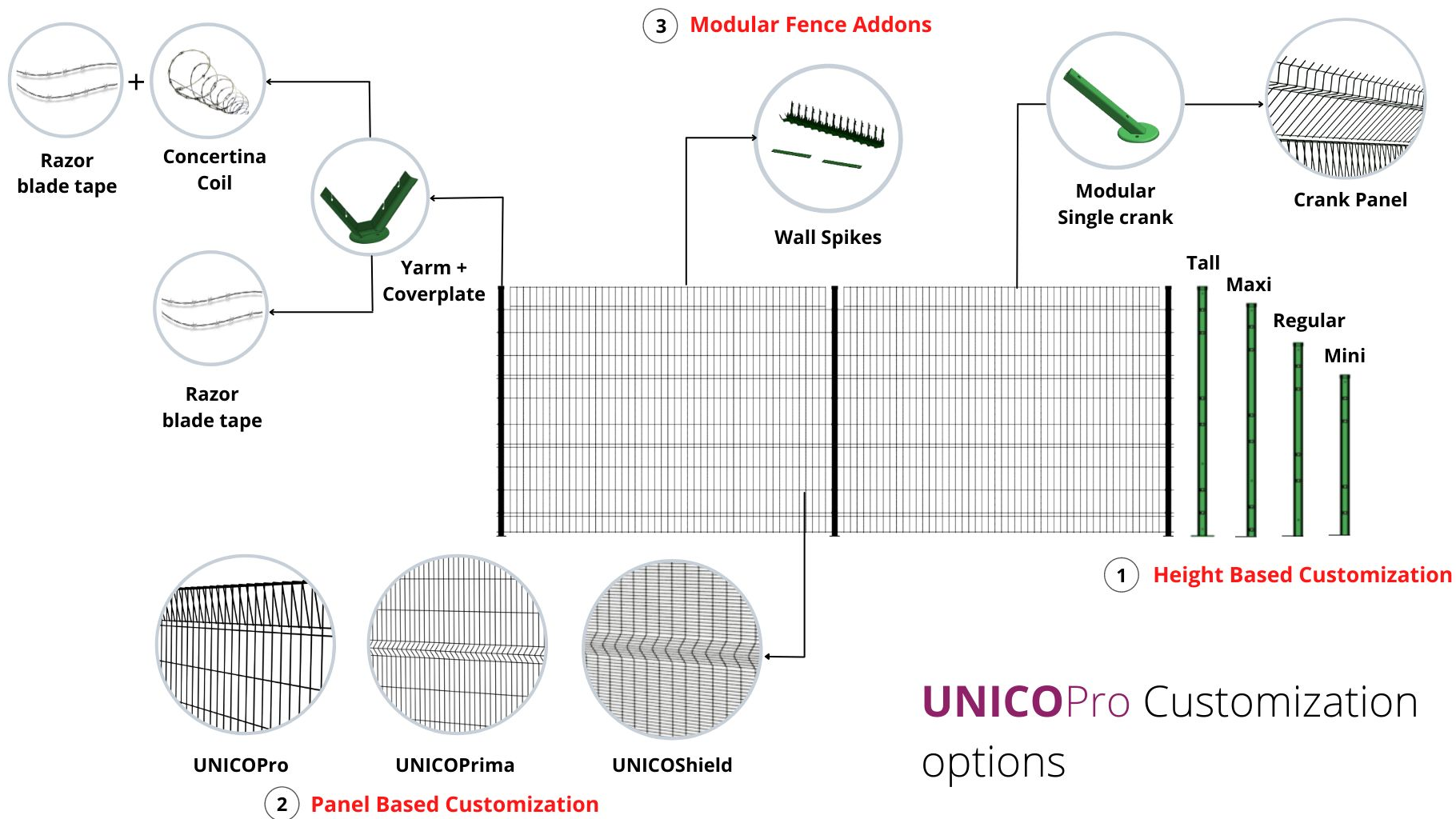
(Razor Blade Tape)



UNICO Pro

(Razor Blade Tape + Concertina Coil)







ALUNICO

Effective
Demarcation Fencing

UNICOLink

A single twist rhombus shaped conventional form of demarcation fence which is installed along the perimeter and provides protection against trespassers, wanderers & intruders for agricultural, residential, commercial & industrial areas.



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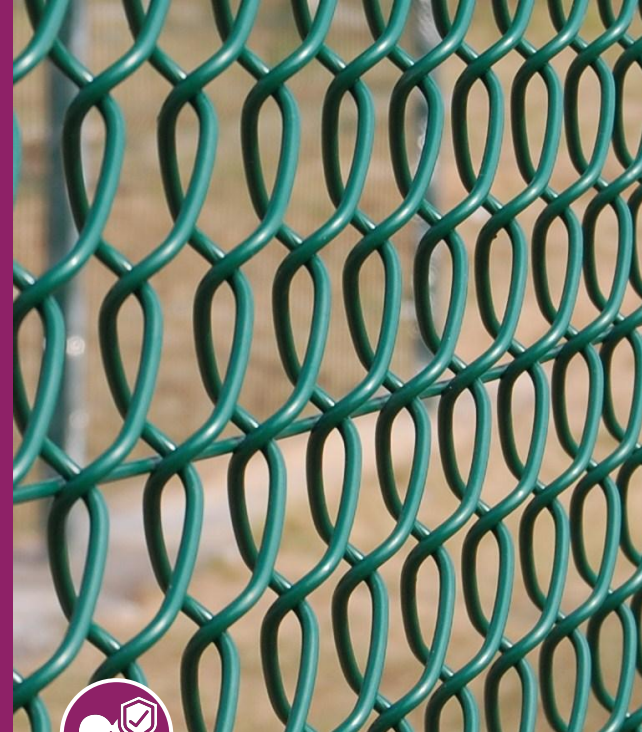


EASY INSTALLATION

Use of modular clamping fixtures promotes easy & fast installation which eliminates any welding or fabrication on site thereby reducing costs.

EASY TRANSPORTATION

Chain link fabric is packed into compact rolls which are easy to transport & handle.



LONG LIFE

Available in multiple coating options depending upon the environmental & site condition to help combat corrosion from degrading its life.

Honeycomb Fence

A hexagonal shaped demarcation fence with triple twist mesh which is stronger than most woven fences, which is easy to install & has a long life.



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Sport
Arenas



Factories &
Warehouses





STRONG

Impact on the fence is evenly distributed along the entire mesh due to its honeycomb fence® structure.



LONG LIFE

Available in multiple coating options depending upon the environmental & site condition to help combat corrosion from degrading its life.



SECURE

Intentional cutting or accidental breaking of single wires will not impact the structural integrity of the mesh due to its triple twist construction



ALNICO

Electric Fences

Our Offerings



UNICOPower



Housing Societies



Individual Bungalows



Commercial Societies



Educational Complexes



Monkey Menace



Temples



UNICOPower Pro



Industries



Factories



IT Parks



Data Centers



Factories



IT Parks





INTRUSION ALARM

Any attempt to cut, short or tamper the wires is immediately detected and a zone wise alarm is generated. Power loss and communication failure is also detected and informed.

POWERFUL YET SAFE

The fence system adheres to IEC 6000335:2:76 standard which ensures that shock from the fence is safe but strong enough to create a psychological barrier for the intruder.



PATROL SOFTWARE

A sophisticated perimeter patrol software with a map based UI helps in monitoring and controlling the electric fence system zone wise.



ALNICO

Architectural Gabions

UNICOGabion

UNICOGabion is an architectural welded mesh gabion system which lends a pristine & rustic stone look and can be used as a cement walls, park bench or any other structure.



Modular

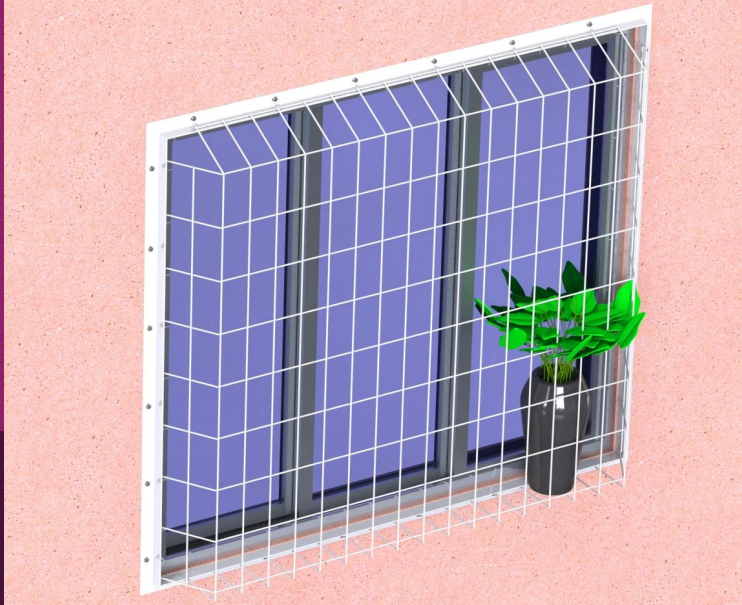


Aesthetics



**Superior Powder
Coating**





ALNICO

Fall Protection

UNICOGrille

UNICOGrille is a modern and aesthetic window grill system which offers modularity, superior corrosion resistance & multiple colour options for customization.



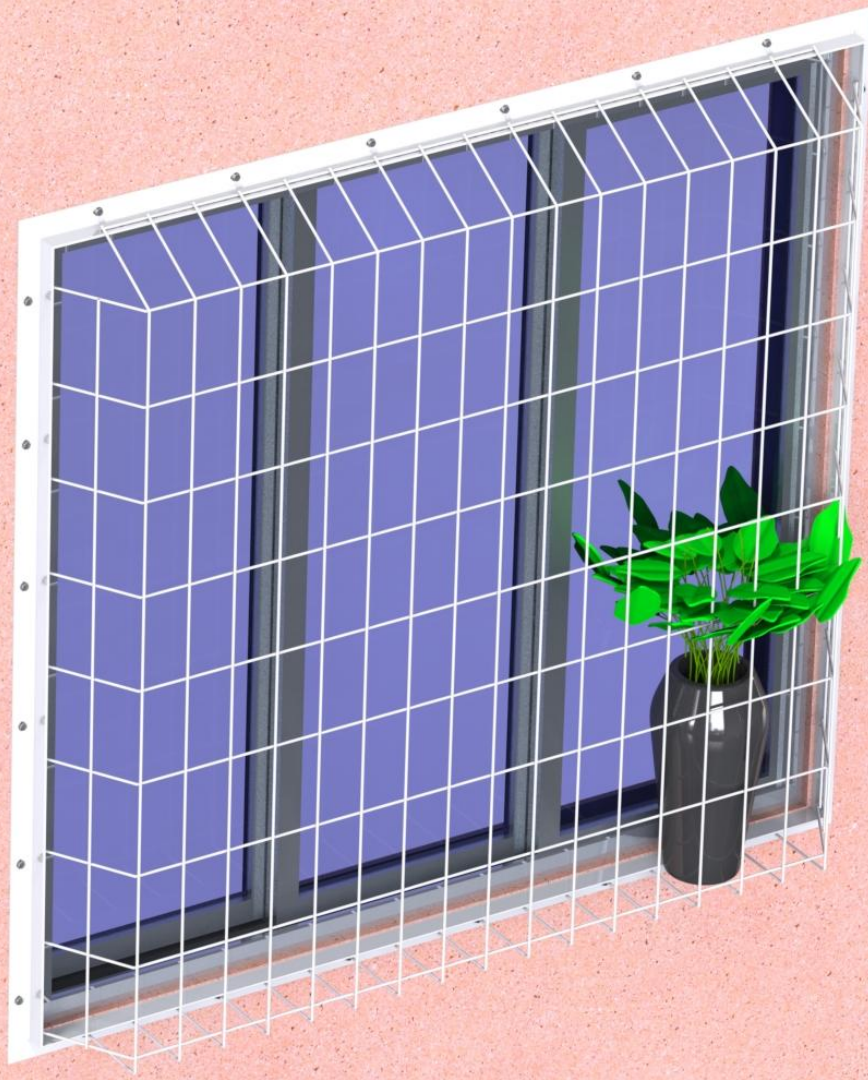
**Aesthetic &
Strong**



Modular



**Superior Powder
Coating**





ALUNICO

Entrance Gates

UNICOSwing

UNICOSwing is our swing gate solution which uses high quality hinges for operation are designed to provide an effortless and secure access to your property.



**Modular &
Customizable**



**High
Strength**



**Customizable
Infill**



UNICOGlide

UNICOGlide is a aluminium gate which operates on a cantilever mechanism which eliminates ground track for operation offering a smooth and noiseless operation.



**Noiseless &
Smooth Operation**



**Multiple Infill &
Color options**



**Intelligent Safety
Features**

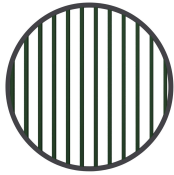


UNICOGlide

Infill Options



Horizontal Slats



Vertical Bars



Louvers



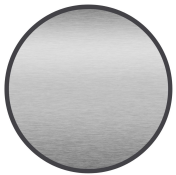
WPC Inserts



Bamboo



Non Metal &
Composite Material



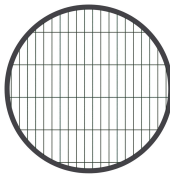
Sheet Metal



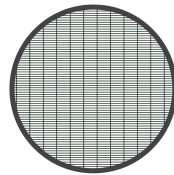
Glass



Wood



UNICOPrima



UNICOShield



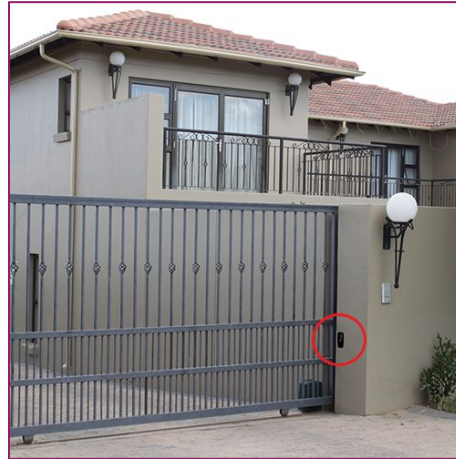
Chainlink

UNICOglide

Safety Features



Safety Edge



Photocells



Flash Lights

ALUNICO



Entrance Automation



Boom Barrier

Sector 5 Boom Barrier



Boom Barrier

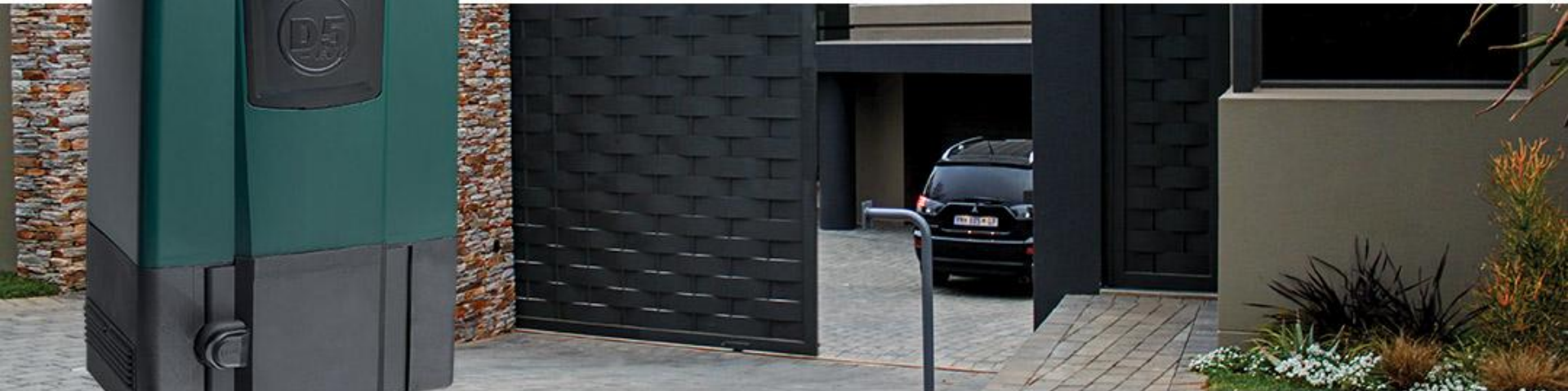


Sector 5 - Boom Barrier

- Battery backup.
- High volume capability.
- Rapid boom pole raise (3m version < 1.2sec).
- Smooth intelligent speed control.
- High torque boom pole operation.
- Robust, durable and slim-line operator casing.
- LCD user interface for simple setup.
- Onboard code-hopping multi channel receiver with selective add and delete.
- Integrated ChronoGuard (a word first) timer functionality.

Gate Motors

D5-EVO – DOMESTIC & LIGHT-INDUSTRIAL SLIDING GATE MOTOR



Gate Motors



D5-EVO – DOMESTIC & LIGHT-INDUSTRIAL SLIDING GATE MOTOR

- The evolution of the tried and tested D5 500kg gate motor for domestic and light-industrial applications.
- Incorporating battery backup you can bank on, potent push force and an intelligent LCD controller for easy setup, not to mention a plethora of features all tailor-made for the ultimate in security and convenience, the CENTURION D5-Evo is the apex predator of gate motors – it simply has no competition and no equal.

Gate Motors

D10 – INDUSTRIAL SLIDING GATE MOTOR



Gate Motors



D10 – INDUSTRIAL SLIDING GATE MOTOR

- The CENTURION D10 industrial sliding gate motor uses a battery-driven high-torque 24V DC motor, coupled to a robust gearbox to provide an access automation system that is quick, powerful and battery backed up – perfect for industrial and commercial applications where heavy gates are installed.
- Easy to set up and easy on the eye, the CENTURION D10 industrial sliding gate motor has everything you'd expect from CENTURION. Add an LCD controller that can monitor diagnostics and set any function at the touch of a button and you'll understand why you won't need another gate motor for a long time.

VANTAGE Swing Gate Motors



Gate Motors



VANTAGE Swing Gate Motors

- The VANTAGE linear swing gate motor is designed to automate a wide variety of swing gates, from light-domestic gates to heavy industrial double swing gates.
- The Position and Collision Detection System has been designed and tested to set the standard in safety of operation and to provide an unparalleled level of reliability and durability in operation.
- The gate Travel Limits are managed by a sealed opto-electronic system that has been designed to not only ensure ultra-reliable operation, but also to ensure precise position and trajectory control.
- This enables very accurate and reliable collision detection to ensure safe operation even under trying conditions.



A-1 FENCE
Fence & Fence-ability

Intrusion Detection Systems

Liminal-K

An intrusion detection system that detects disturbance on different types of walls/fence. It also helps pinpoint the area of intrusion by generating an alarm.



Private
Bungalows



Residential
Buildings



Corporate
Parks



Industry



Warehouses



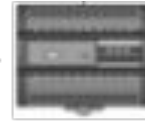
Liminal-K

System Components



Central Management System

Consists of a computer running Vigil software & a router which constantly communicates with the existing infrastructure.



Sensor Master

Designed to communicate with individual sensors through the composite cables and relay their status to the CMS.



Liminal-K/Vibration Sensor

Detects disturbances on the fence/wall and post detection the information is communicated to the sensor master in order to raise an alarm.

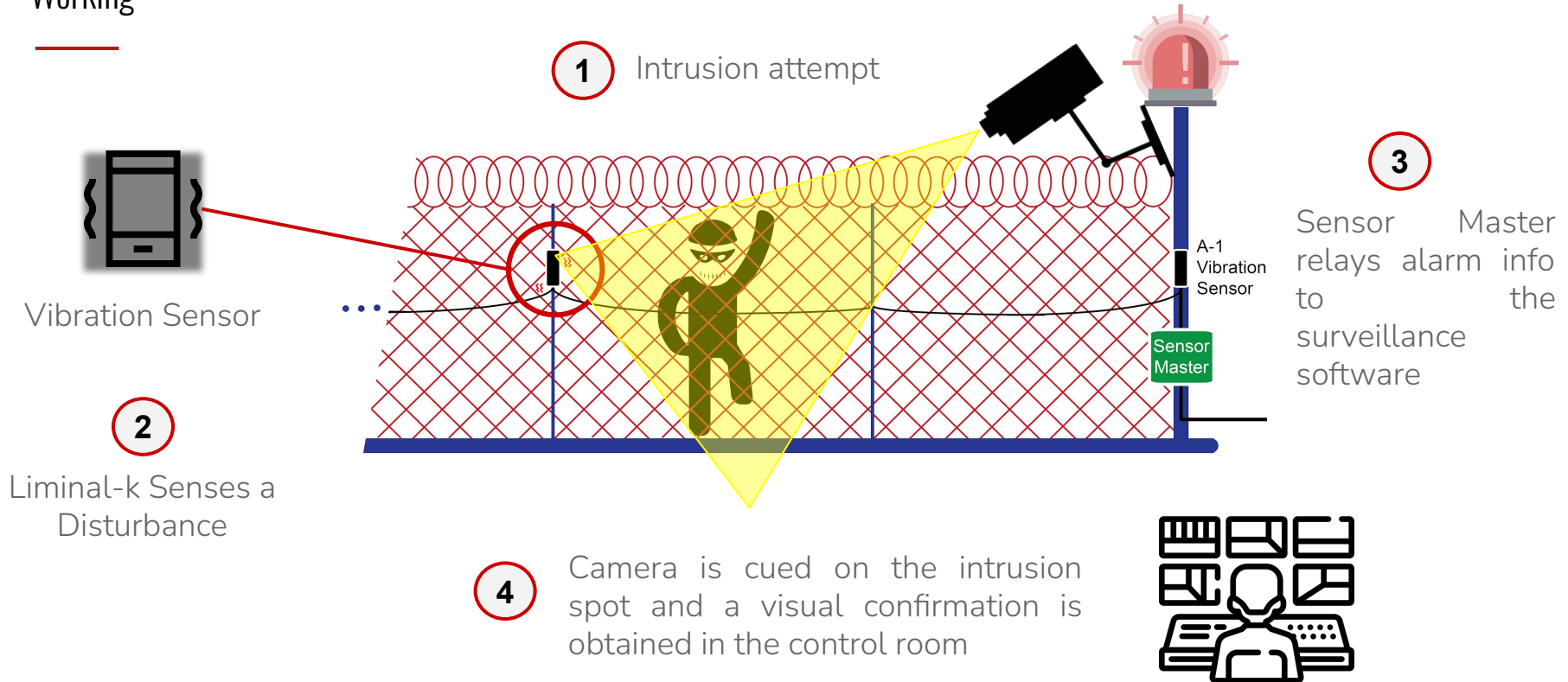


VIGIL Software

This software displays the location, operational condition of sensor, live logging and enables the operator with full command and control.

Liminal-K

Working



Liminal-K

Working Demo



Liminal-K

Features



Temperature Alarm

Senses the increase in temperature whenever any attempt is made to melt or burn down the sensor.



Magnetic Sensor

Magnetic chips are installed in sensors at equal intervals to make sure that the patrolling of the site is recorded with ease or it can also be used for SOS alerts.

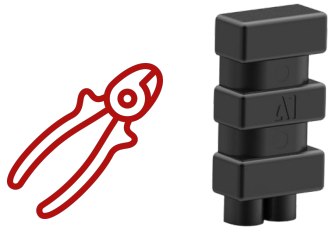


Surge Protection

Any fluctuation in voltage is sent to the ground thus leaving the sensor and its components unharmed.

Liminal-K

Features



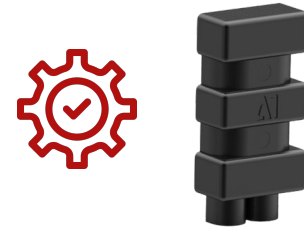
Tamper Proof

Sensor chain, control panel & the software continues to operate normally even after detecting a failure in a few components.



Tilt Detection

Any changes in the position of the sensor due to weather are easily detected and forwarded to the control room.



Hassle-Free Installation

The ergonomic design and the plug & play modules of the system provide for hassle-free installation. The modular stainless steel clamps/UV resistant cable ties allow the system to be installed on any type of post.

Liminal - F

Fiber optic intrusion detection sensor developed for advanced perimeter security. It works on the principle of interference of light signals travelling through optical fibers



Private
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Parks



Parks &
Gardens



Sport
Arenas

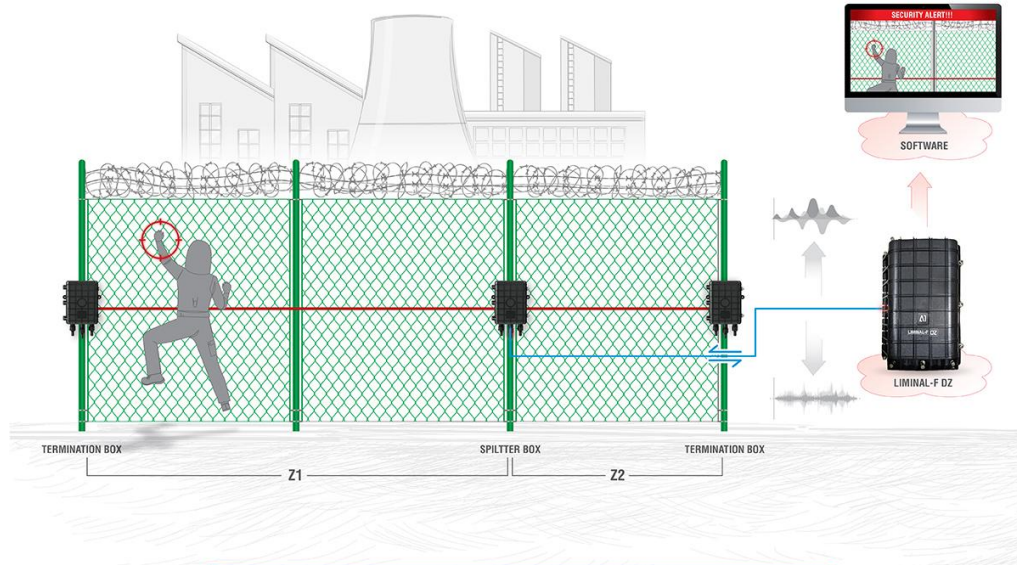


Factories &
Warehouses



Liminal-F

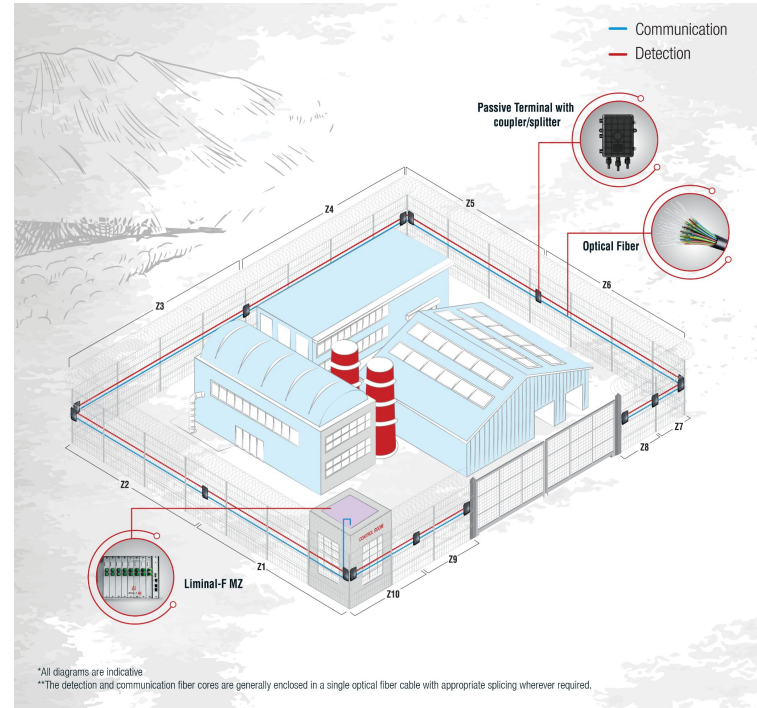
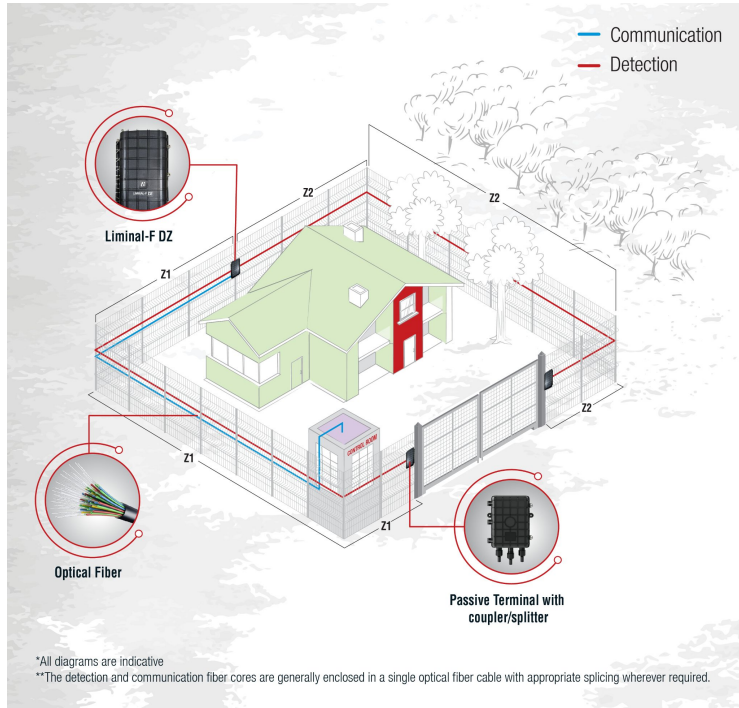
Working



The optic fiber laid on the fence detects any kind of intrusion attempt and gives alarm in real time

Liminal-F

System Diagram



Liminal-F

Intrusion Behaviour



Climbing the fence/post
of the fence or the wall



Climbing the fence/post
of the fence or the wall using
a step ladder



Tearing down or
cutting the fence



Disassembling the fence
or the alarm host



Digging a tunnel
beneath the fence/wall



Cutting the fiber
itself



External activities near the fence such
as running or fast walking, vehicle passing
or tree cutting.

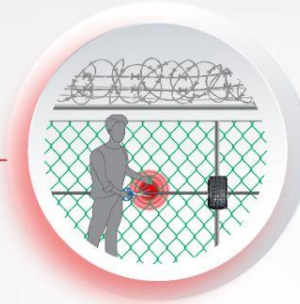
Liminal-F

Alerts & Alarms

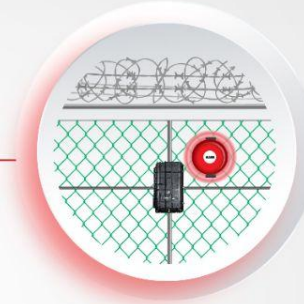
ALARM TRIGGERS



Intrusion alarm



Fiber Break alarm



Tamper alarm



Power off alarm

ALARM DEVICES



LED/Strobe



Siren



Software Audio Visual

Liminal-F

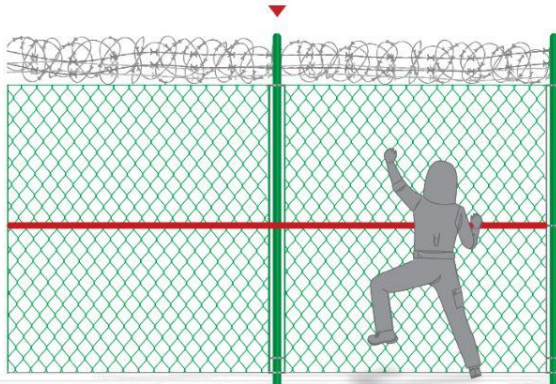
Deployment

MESH FENCE

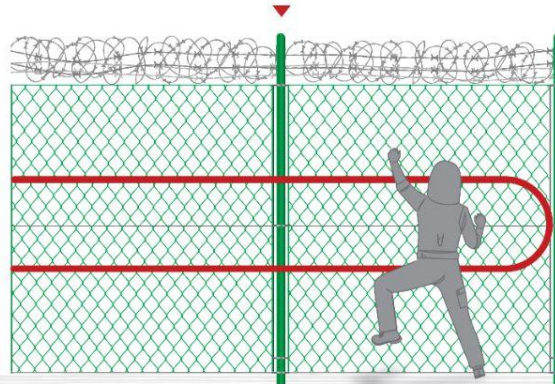
INTRUSION BEHAVIOR

- Climb over the net
- Put a ladder upon the net
- Kick the net
- Cut the net
- Cut the fiber
- Break the host and terminator

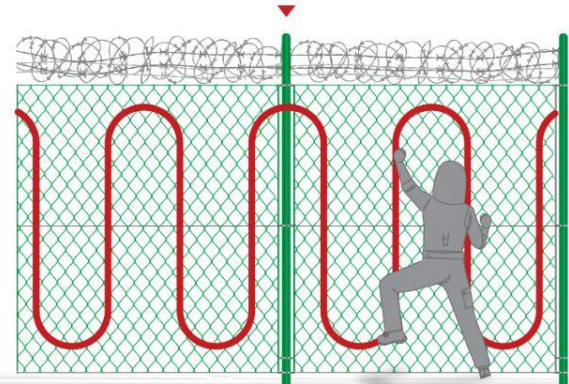
STRAIGHT LINES



PARALLEL LINES



WAVE

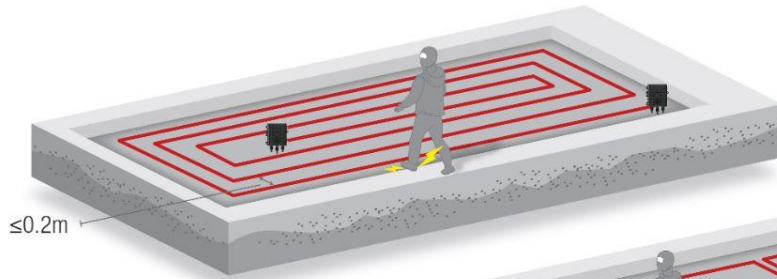


Liminal-F

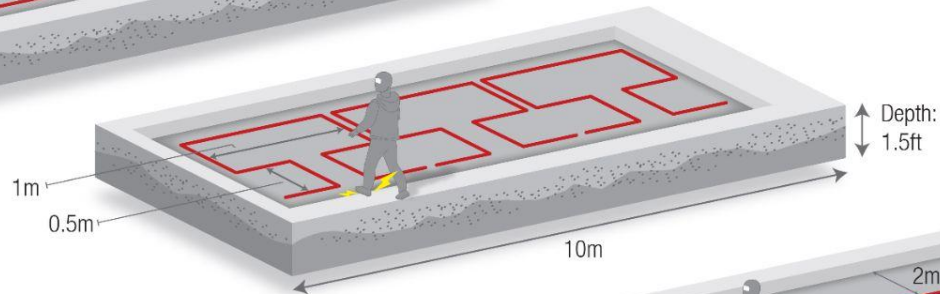
Deployment

UNDERGROUND DEPLOYMENT

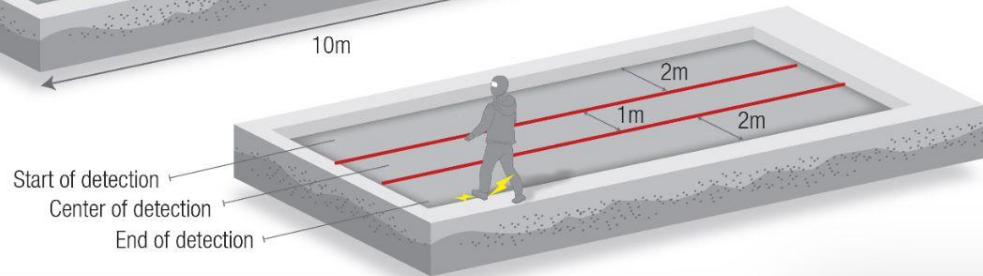
LOOP ▶



DOLPHIN TAIL ▶



SINGLE LINE/DOUBLE LINE ▶



INTRUSION BEHAVIOR

- Digging
- Vehicle Movement
- Tunneling
- Mechanical Excavation



A-1 FENCE
Fence & Fence-ability

Urban Greening

permauoid | ansglobal

Permavoid

Permavoid units are high strength, lightweight hollow sub base units able to support sports, landscaped and paved surfaces on rooftops, podium decks and at ground level for smart water management.



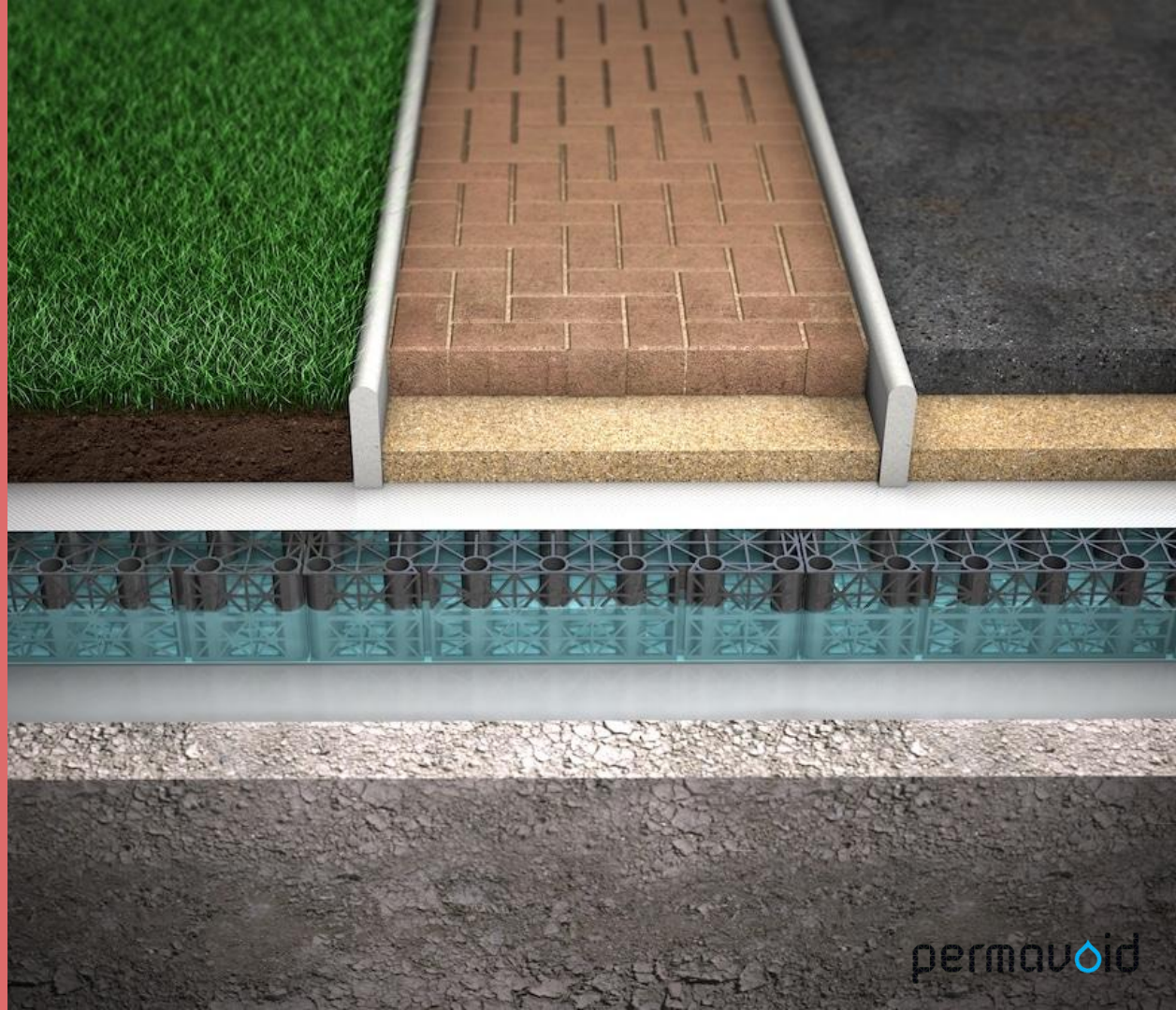
Sustainable



Open Subbase



Multiple Applications



Living Wall

Living wall system uses a natural soil based media as the plant substrate. The system allows for a huge range of plant species and the planting facilities creativity with shapes patterns and words.

OUR PROCESS

- Design
- Planting
- Installation
- Maintenance





We are not a sales team, we...



INNOVATE



CREATE



EXECUTE



*Explore.
Connect.
Grow.*



2ND FLOOR, NO. 470, MUNEEH LEGACY, 13TH CROSS, 3RD MAIN RD,
INDIRANAGAR, BENGALURU, KARNATAKA 560038

+91 77609 88043 connect@luxefence.co

