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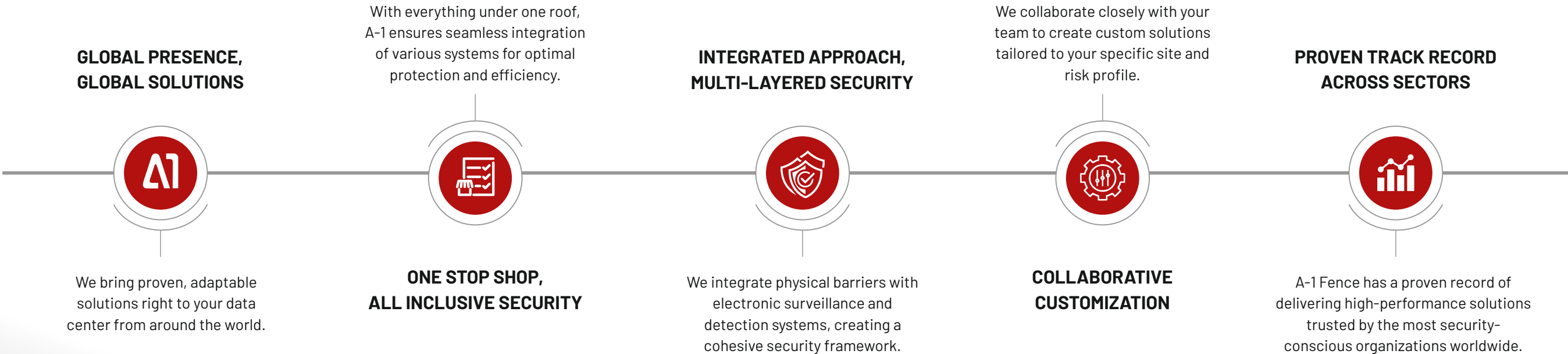
COMPREHENSIVE SOLUTIONS MITIGATING DATA CENTER SECURITY THREATS

www.a-1fenceproducts.com

A-1 FENCE:

The Frontline Defense Against Physical Threats

With over 25 years of expertise in perimeter security, A-1 Fence knows that safeguarding data centers goes beyond prevention. That’s why our solutions are designed to proactively intercept oncoming threats, providing a robust, first line of defense that secures your critical infrastructure exactly when it matters.



The average cost of a data center outage is estimated to be more than \$740,000 and just one breach could result in downtime, financial loss and a damaged reputation.

The best security is one that believes bad actors will break in eventually.

COMPREHENSIVE & INTEGRATED PERIMETER SECURITY SOLUTIONS



INTRUSION DETECTION SOLUTIONS



Liminal-K®

Liminal-F

Radars



Electric Fence

FenSense®

INTERNAL DEMARCATION SOLUTIONS



Unico Fence

358 Weldmesh Fence

Chainlink Fence

OUTER PERIMETER: Your First Line Of Defense

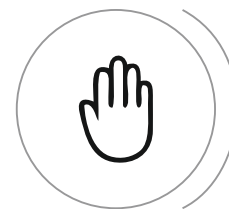
Securing the outer perimeter is essential for any data center. It acts as a strong deterrent against physical threats, preventing unauthorized access and providing early detection of any suspicious activity near your facility. A secure perimeter reduces the risk of intrusion and ensures you stay ahead of potential threats.

EXPECTATIONS FROM YOUR PERIMETER SECURITY



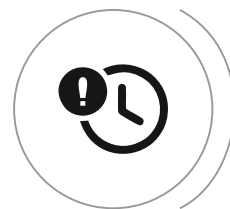
Detect

Any suspicious activity happening on & around the perimeter.



Deter

Any intrusion attempt by preventing climbing, cutting or crashing the perimeter.

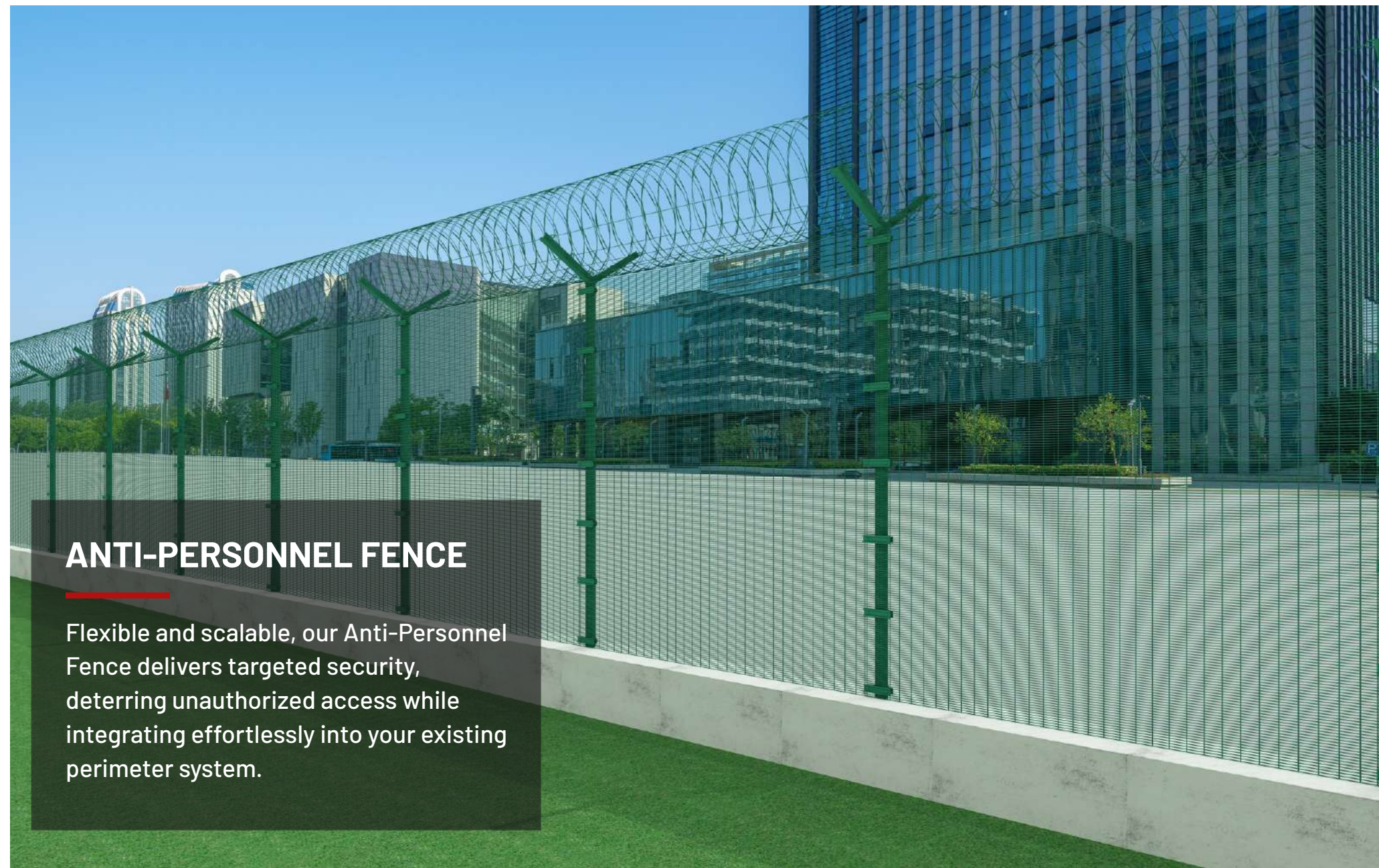


Delay

The intrusion so that there's enough time to take any prompt option.

ANTI-PERSONNEL FENCE

Flexible and scalable, our Anti-Personnel Fence delivers targeted security, deterring unauthorized access while integrating effortlessly into your existing perimeter system.



PASSIVE CABLE BARRIER FENCE

A-1's Passive Cable Barrier Fence is a part of our crash-rated perimeter security solutions. This high security solution effectively stops both hostile vehicles and intruders on foot, providing unmatched protection for your data center's perimeter.



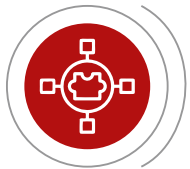
OPERATIONAL INDEPENDENCE

Operates without power, guaranteeing round-the-clock security even during power outages.



EASY INSTALLATION

Designed for seamless integration with existing fences, A-1's Crash Rated Fence allows for quick and easy installation.



ADAPTABLE INTEGRATION

Customizable to fit your existing setup, enhancing protection without compromising on design.

Applicable Standard ASTM F2656

Certified Rating M30 P2



A-1 AKAT® NG 30

The A-1 AKAT® NG 30 is a delay-rated fence engineered to provide a crucial delay of 6.4 minutes against advanced/aggressive cutting tools-time that can be the difference between a breach and a successful security response. This system also includes the A-1 AKAT® delay-rated gate, further enhancing the perimeter’s overall security.



GUARANTEED DELAY TIME
With a delay window of 6.4 to 31 minutes and more, this fence buys vital time for security teams to respond.



EXCELLENT VISIBILITY INDEX
Our system provides a 41.33% visibility index, ensuring clear sightlines for patrols and monitoring systems, enabling rapid threat detection and response.



MAXIMIZED DETERRENCE
Reinforced with concertina coils and wall spikes, this system sends a strong message: unauthorized access won’t be easy.

TOOL TYPE	STRUCTURED TEST	TOTAL DELAY TIME
Aggressive	Passed	6.4 minutes
Medium	Passed	31.7 minutes

Applicable Standard	ASTM F2781-15
Certified Rating	Aggressive: A6.4 Medium: M31.7



PALISADE FENCE

A-1’s Palisade Fence provides a strong, reliable barrier for data centers, designed to withstand impacts while ensuring long-term durability. Its sturdy W-shaped pales and reinforced I-beam posts create a formidable barrier, keeping intruders out and your sensitive data safe.



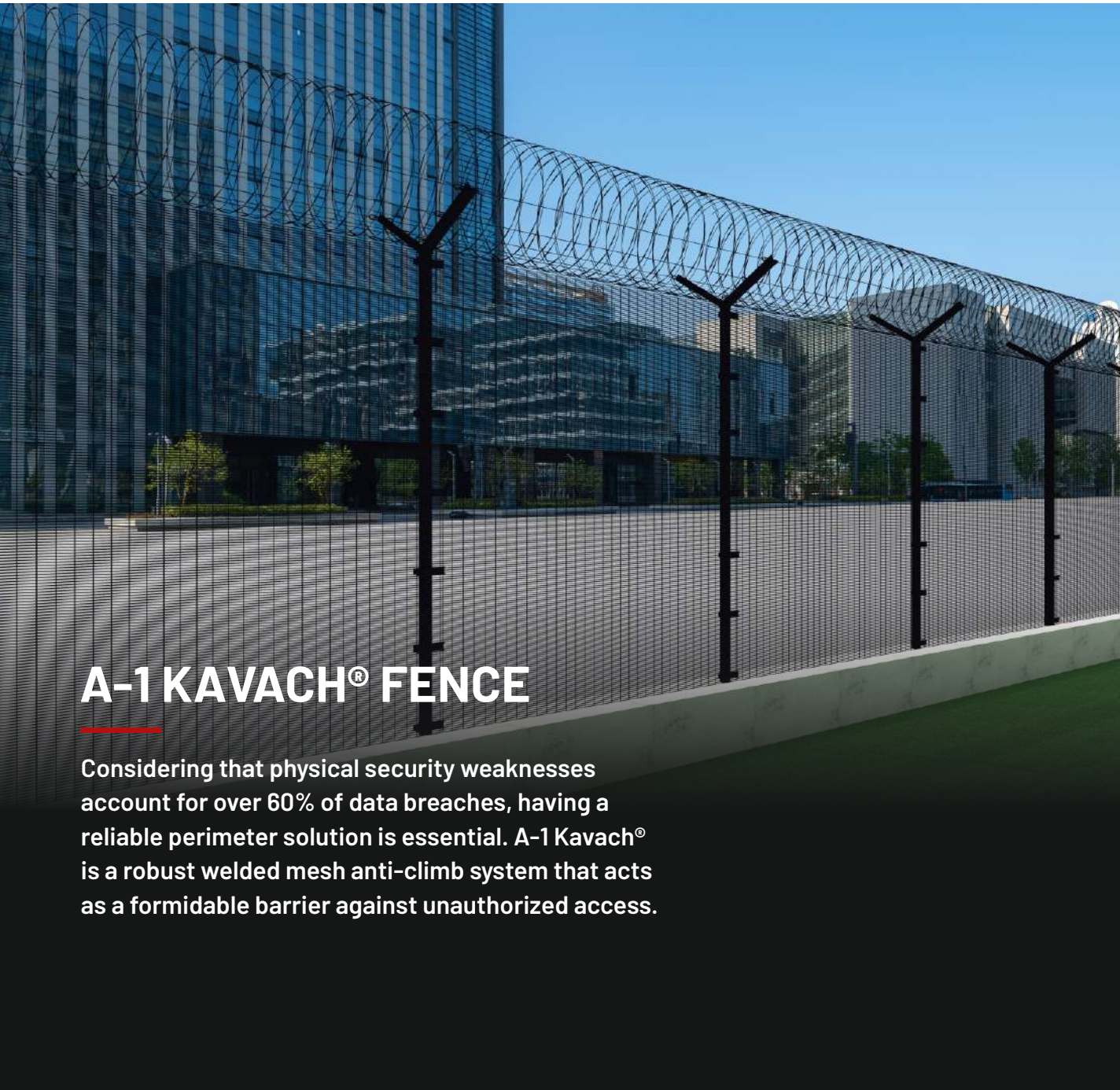
MODULAR DESIGN
The completely modular design eliminates the need for on-site welding, enabling quick, efficient installation with prefabricated components.



MAXIMUM STRENGTH
The W-shaped pale profiles are built to withstand forceful impacts, creating a solid, dependable defense against unauthorized access.



LONG-LASTING DEFENSE
Built to resist corrosion and the toughest weather conditions, this fence ensures your security holds strong for years to come.



A-1 KAVACH® FENCE

Considering that physical security weaknesses account for over 60% of data breaches, having a reliable perimeter solution is essential. A-1 Kavach® is a robust welded mesh anti-climb system that acts as a formidable barrier against unauthorized access.



ANTI-CLIMB DESIGN

With a mesh size of 76.2 x 12.7 mm, it's hard to grip or climb. This design makes it difficult for anyone to scale the fence.



TAMPER-PROOF INSTALLATION

Panels are secured with spider clamps and security breakaway nuts, preventing disassembly.



CLEAR VISIBILITY

Its design allows for unobstructed sightlines. This transparency enables quick detection and response to potential threats.



A-1 KAWACH 35B3

A-1 Kawach 35B3 fence, proudly holds an SR2 rating from Loss Prevention Certification Board (LPCB). This prestigious rating indicates that the fence can withstand a sustained attack for at least 3 minutes, providing you the time needed to alert authorities. This certification also makes it a reliable choice for high-stake environments.



DELAY TIME

Engineered to offer a minimum 3-minute delay. This gives you the edge to react and mitigate potential damage.



ANTI-CLIMB DESIGN

The tight spacing between the vertical and horizontal wires creates an obstacle to climb, reducing the risk of unauthorized access.



DURABLE FINISH

Powder-coated for superior corrosion resistance, ensuring longevity and minimal maintenance.

Applicable Standard	LPS 1175
Certified Rating	SR2

HOSTILE VEHICLE MITIGATION

ASTM Certified Crash Rated Solutions

With the right HVM system in place, you can reduce the risk of a vehicle penetrating your data center by up to 95%. Our Hostile Vehicle Mitigation (HVM) systems, are engineered to intercept potential dangers right at your facility's entrance.



Certified by ASTM, a globally recognized authority in safety standards, our solutions assure you that you are investing in top-quality security.



CRASH RATED



ENHANCED SECURITY



INTEGRATES WITH
SECURITY SYSTEMS



RAPID RESPONSE



PROTECTS CRITICAL
INFRASTRUCTURE



PREVENTS VEHICULAR
ATTACKS



A-1 ALCAZAR

ANTI-VEHICLE ROPE BARRIER

The A-1 Alcazar Anti-Vehicle Rope Barrier is a cutting-edge solution for perimeter security. Engineered to provide maximum protection with minimal complexity, this crash-rated barrier is designed to stop a 7.5-ton vehicle traveling at 50 mph within just 1 meter.



ROPE DESIGN

With only three components—poles, ropes, and wire rope clips—our innovative rope design simplifies installation and enhances performance.



SHALLOW FOUNDATION

Tested successfully with a foundation depth of just 66 inches, our system boasts the shallowest foundation in the industry.



FLEXIBLE DEPLOYMENT

The rope system's flexibility makes it ideal for data centers with complex layouts or varying terrain, eliminating the need for on-site customization.

Applicable Standard **ASTM F2656**

Certified Rating **M50 P1**



A-1 ALCAZAR

HYDRAULIC ROADBLOCKER

Popularly known as the wedge blocker, the A-1 Alcazar Hydraulic Roadblocker is engineered to stop large, high-speed vehicles in their tracks right at the entrance. In critical situations where every second counts, this advanced system can deploy in under 2 seconds, providing an immediate barrier against unauthorized access.



UNIQUE THREE-FINGER DESIGN

This innovative design eliminates the need for tracks, springs, or pulleys, ensuring reliable operation without the maintenance hassles of traditional systems.



NO AXLE LOAD LIMIT

The roadblocker effectively disperses impact loads across a robust concrete foundation, allowing it to withstand any vehicle weight.



SHALLOW FOUNDATION

The rope system's flexibility makes it ideal for data centers with complex layouts or varying terrain, eliminating the need for on-site customization.

Applicable Standard **ASTM F2656**

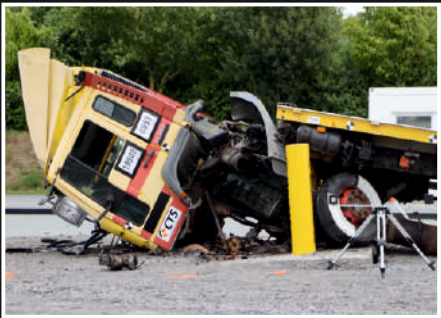
Certified Rating **M50 P1**



A-1 ALCAZAR

STATIC BOLLARDS

The A-1 Alcazar Static Bollards are essential for providing robust protection against vehicular threats while enhancing safety for pedestrians. Engineered to meet the stringent ASTM F2656 M50 P1 standards, these bollards are designed to stop any oncoming high-speed vehicle within a penetration distance of 1 meter.



SHALLOW FOUNDATION

The shallow foundation of 18 inches streamlines installation with minimal excavation and helps avoid extensive concrete work.



COROSSION PROTECTION

Our bollards are hot-dip galvanized and powder-coated, providing superior protection against corrosion.



IDEAL FOR CRITICAL SECTORS

Used by the most security conscious organizations across the globe for perimeter protection.

Applicable Standard	ASTM F2656
Certified Rating	M50 P1



A-1 ALCAZAR

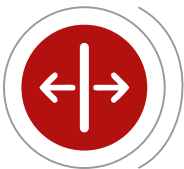
CRASH BEAM BARRIER

The A-1 Alcazar Crash Beam Barrier is a heavy-duty drop arm barrier with a crash rating of ASTM F2656 M50 P1. Offering a 20 feet clear opening it is amongst the widest tested drop arm barriers. This crash beam barrier is capable of stopping an incoming hostile vehicle weighing up to 7.5 tons charging at a speed of 50mph within a penetration distance of 1 meter.



ROBUST DESIGN

This Drop Arm Barrier is built to endure heavy impact and can be easily operated manually using a removable handle.



WIDEST CLEAR OPENING

With an impressive 20-foot clear opening, our crash beam barrier is among the widest tested for ASTM F2656 M50 P1 rating.



QUICK INSTALLATION

Designed with a simple foundation and installation steps, the barrier can be set up quickly, saving valuable time and resources.

Applicable Standard	ASTM F2656
Certified Rating	M50 P1 / M30 P1

INTRUSION DETECTION

Detecting threats round the clock
so you can focus on what truly matters

We offer a comprehensive array of intrusion
detection solutions that alert you the moment
a potential threat is detected.



PINPOINT ACCURACY

Detects intrusions at the exact point of entry, so you know exactly where to respond, saving crucial time in high-stake environments.



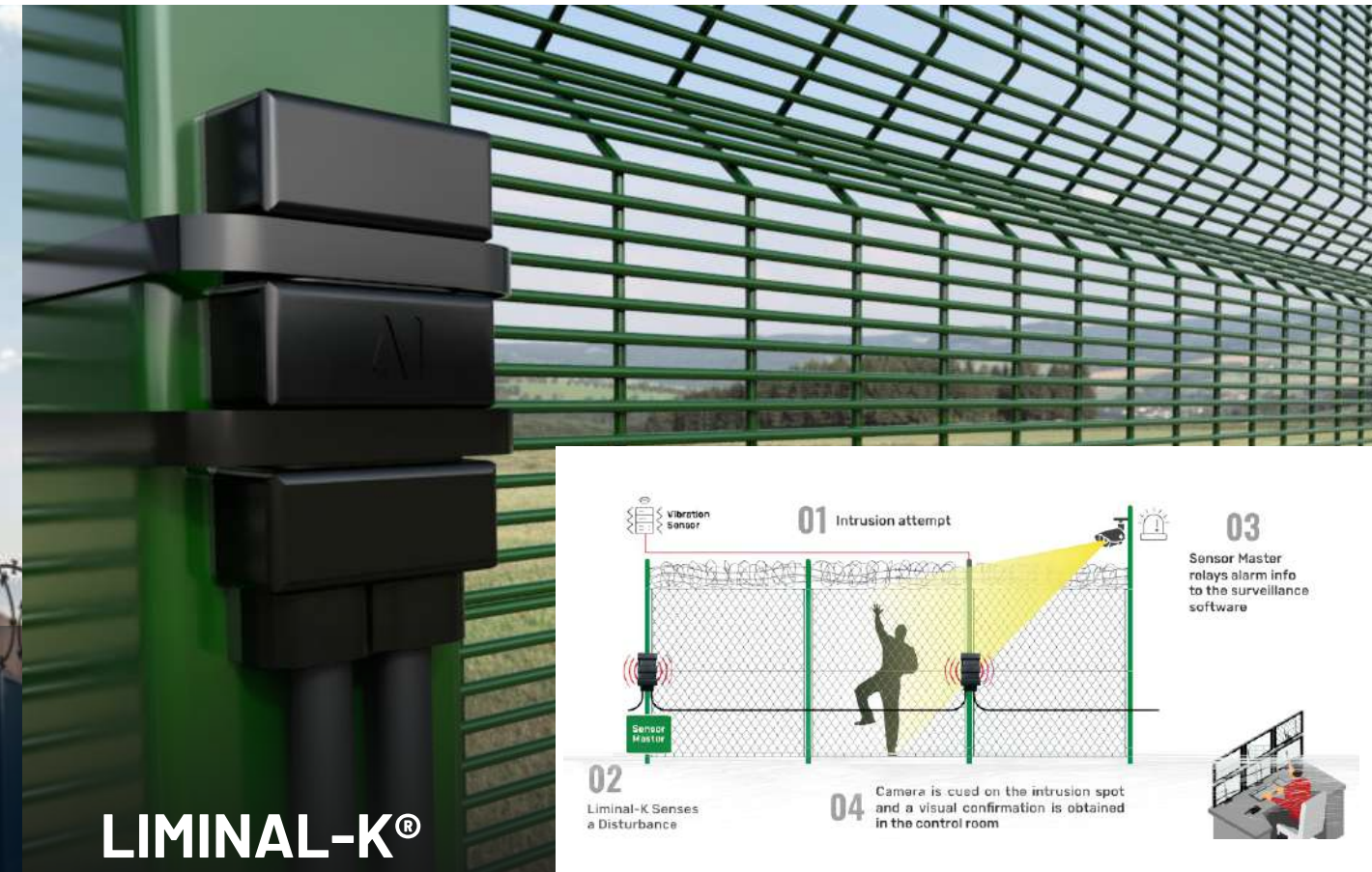
DETECTION RANGE

Each sensor effectively monitors a range of up to 5 meters on each side, for all-around protection.



ADJUSTABLE SENSITIVITY

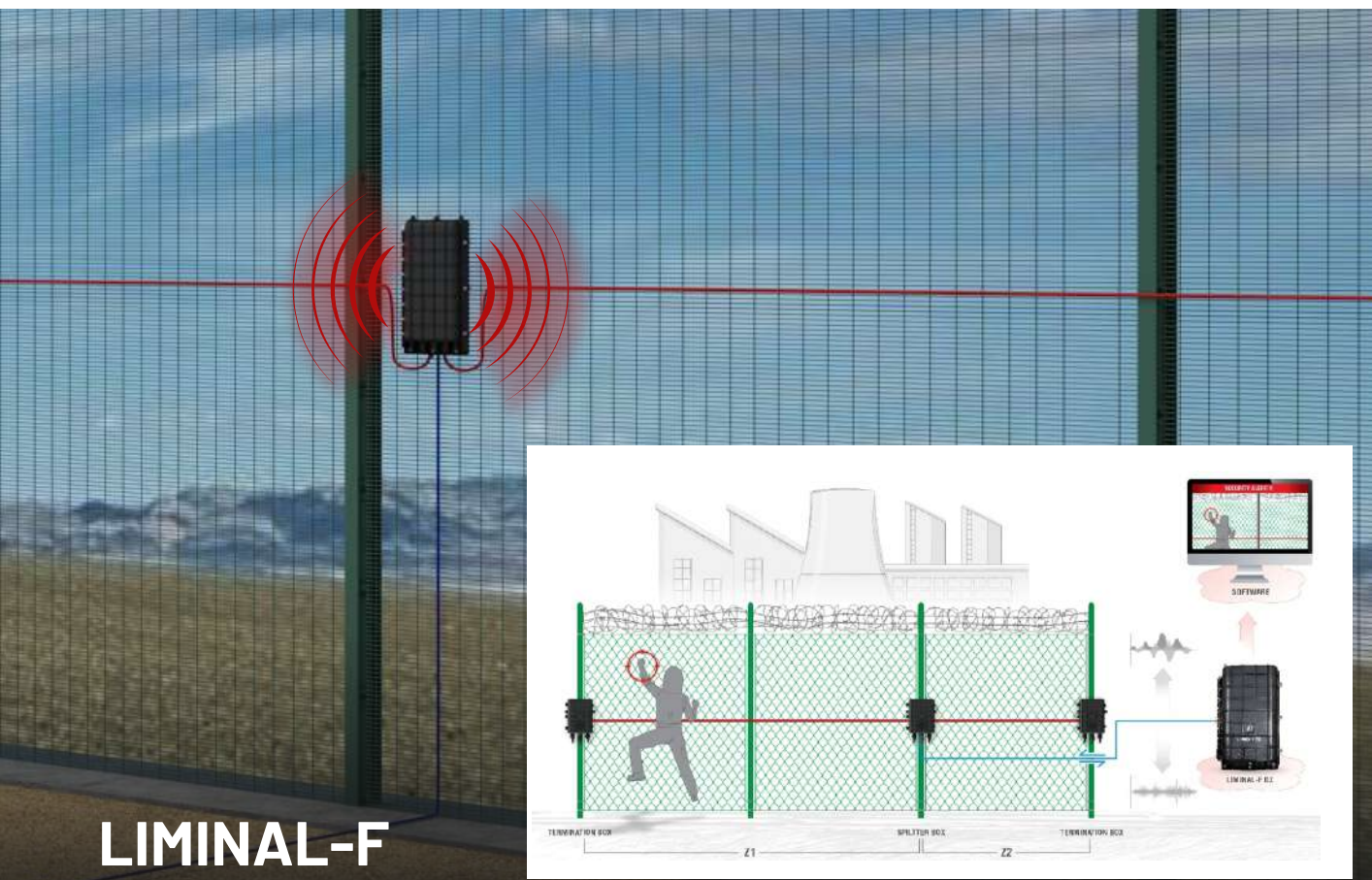
Easily customizable to respond only to genuine threats, minimizing false alarms and enhancing reliability.



LIMINAL-K®

VIBRATION SENSOR

LIMINAL-K® system is an advanced intrusion detection solution designed for accuracy. This system instantly detects and locates any intrusion attempt, whether it's cutting or climbing the perimeter, and triggers an alert to ensure rapid response. LIMINAL-K® seamlessly integrates with the VIGIL software and provides real-time visuals through PTZ cameras.



LIMINAL-F

FIBER-OPTIC SENSOR

The LIMINAL-F is an advanced, rack-mountable intrusion detection system crafted for large-scale perimeters, providing unparalleled accuracy across extensive zones. Designed for seamless integration with network security systems, it offers real-time alerts and remote monitoring capabilities to keep you informed and in control at all times.



ZONE WISE DETECTION

Zone-wise detection accuracy refers to the precision of identifying and monitoring specific areas or zones within a larger space.



CAMERA INTEGRATION

Integrates effortlessly with surveillance cameras, allowing real-time visual verification of any detected activity.



INTERFERENCE IMMUNITY

Engineered to withstand electromagnetic disturbances, LIMINAL-F maintains reliable performance in high-interference environments.



ELECTRIC FENCE

The A-1 Electric Fence is a powerful deterrent designed to protect your perimeter with a safe, controlled, yet highly effective electric shock. This advanced system deters intrusion attempts while immediately alerting property owners with local and remote audio-visual alarms, keeping your site secure at all times.



INTRUSION ALARM

Equipped to detect any tampering, the system triggers alarms. It also monitors power loss and connectivity by sending immediate alerts.



PATROL SOFTWARE

A user-friendly, map-based interface enables precise, zone-by-zone monitoring and control, ensuring that your security team is always in command.



STANDARDS-COMPLIANT

Adhering to IEC 6000335:2:76 standards, the system delivers a safe yet powerful shock that discourages intruders while meeting international safety requirements.

CONFIGURATIONS



Applicable Standard **IEC 6000335:2:76**



FENSENSE®

THE WORLD'S FIRST INTEGRATED PERIMETER SECURITY SOLUTION

FenSense® is a pioneering solution where the fence itself is a part of the sensing mechanism. Powered by the innovative FICID (Fence Impedance Characterization for Intrusion Detection) algorithm, FenSense® detects any attempts at cutting or climbing by continuously monitoring signal shifts, allowing for instant response to potential threats.



ADVANCED DETECTION

Equipped with Integrity Sensors and cutting-edge technology, FenSense® reliably identifies intrusions to ensure real-time protection.



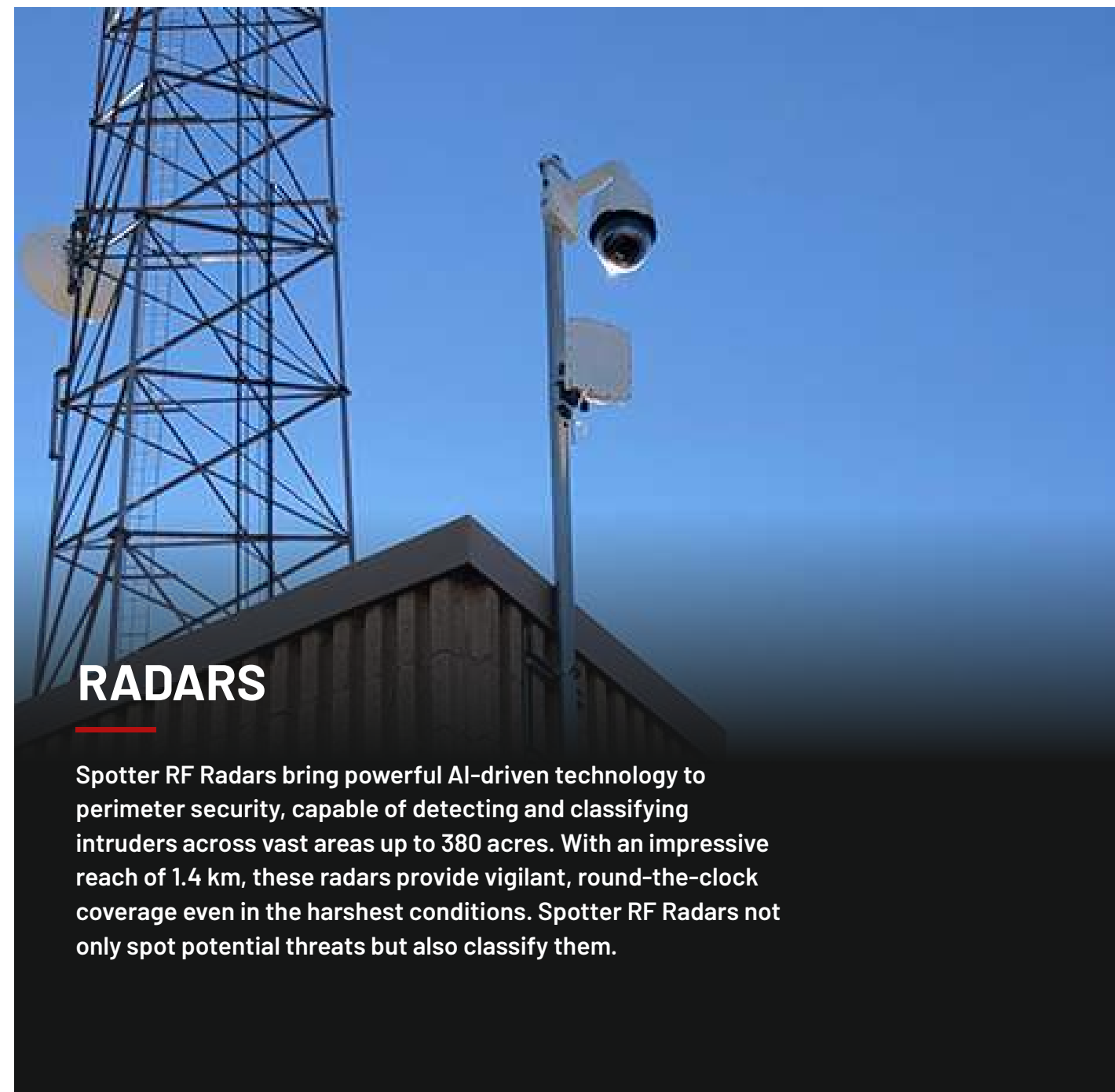
ZERO FALSE ALARMS

The FICID algorithm minimizes false alarms by adjusting to environmental factors, so you can rely on alerts only when they truly matter.



HIGH ACCURACY

The fence power & communication box (PCB) can detect any disturbances with their advanced algorithms.



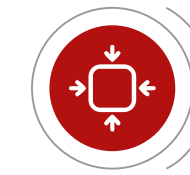
RADARS

Spotter RF Radars bring powerful AI-driven technology to perimeter security, capable of detecting and classifying intruders across vast areas up to 380 acres. With an impressive reach of 1.4 km, these radars provide vigilant, round-the-clock coverage even in the harshest conditions. Spotter RF Radars not only spot potential threats but also classify them.



AI TARGET DETECTION

Spotter's AI-driven system can identify multiple threats simultaneously, accurately distinguishing between various types of targets.



COMPACT & PORTABLE

The portable kit can be easily carried in a backpack and deployed in less than 20 minutes.

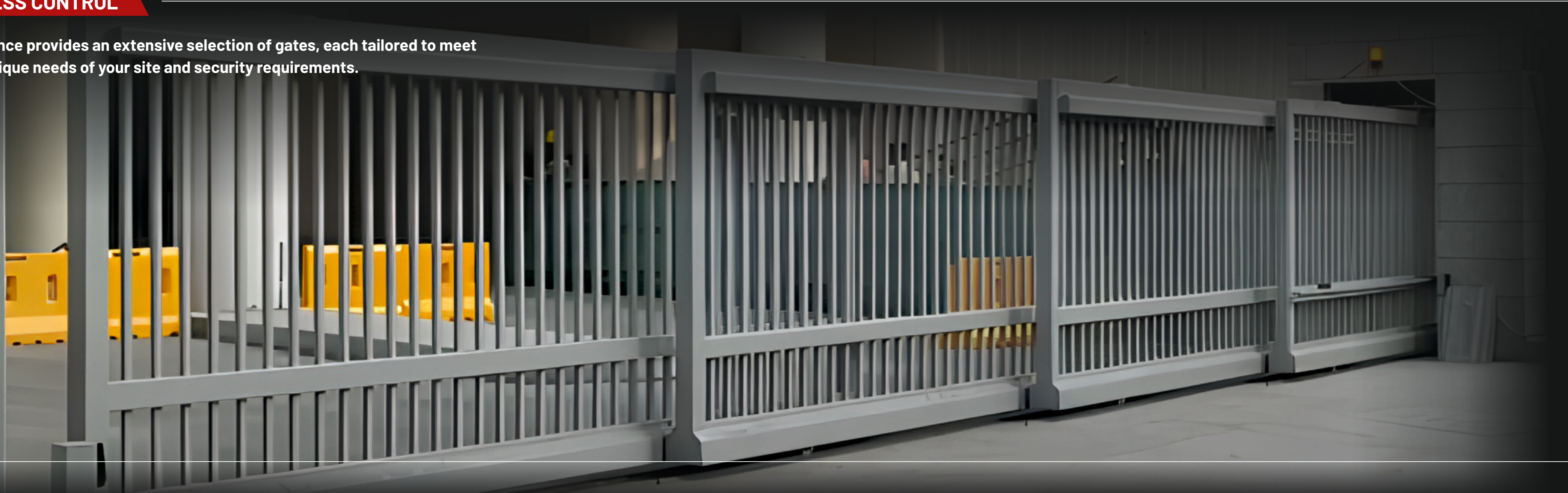


RUGGED

With the strength to operate in extreme conditions from -30°C to +60°C, Spotter RF Radars are as durable as they are intelligent.

ACCESS CONTROL

A-1 Fence provides an extensive selection of gates, each tailored to meet the unique needs of your site and security requirements.





TRACK SLIDING GATE

A-1's Track Sliding Gates deliver smooth, efficient access control designed to meet the heavy-duty demands of data centers and other high-security facilities. With guided track rollers, these gates glide effortlessly, ensuring reliable operation even with frequent, high-traffic usage.



WIDE OPENING

Perfectly suited for extensive openings, providing strong, stable security without compromising on ease of access.



CUSTOMIZABLE INFILL & COLORS

Choose from a variety of infill materials like welded wire mesh, bar tubes, and sheet metal, along with a range of color options.



ADVANCED SAFETY

Built with intelligent safety features, including Ambush Alarms, Infrared Beams to detect obstructions, and an Anti-Crush mechanism that prioritizes safety.



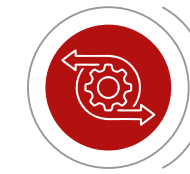
BI-FOLDING SPEED GATES

Designed for rapid operation, A-1's speed gates prevent unauthorized entry and tailgating while making the most of limited space. Their compact, bi-folding design is ideal for confined entryways, enabling fast, secure access without sacrificing durability or security.



RAPID OPERATION

Opens and closes in 4 to 7 seconds, ensuring quick access and minimizing vehicle queuing time.



FLEXIBLE SIZES & SYSTEMS

From cantilever to track systems, our gates can meet any height requirement, with heights up to 15 feet and widths up to 34 feet.



SEAMLESS INTEGRATION

Our gates are designed to communicate with any control system on the market, whether it's a keypad, proximity card, smartphone, or other devices.



CANTILEVER GATE

Cantilever gate is an aluminum gate designed for access control in datacenters. It operates on a cantilever mechanism that eliminates the need for a ground track, providing smooth and noiseless operation.



NOISELESS & SMOOTH OPERATION

The cantilever gate ensures noiseless, smooth, and maintenance-free operation, ideal for the quiet environment of data centers.



CUSTOMIZABLE INFILL & COLORS

Available in various infill and color options, the cantilever gate offers customization to meet the specific security and aesthetic requirements of data centers.



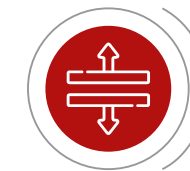
SAFETY FEATURES

Our gates are designed to communicate with any control system on the market, whether it's a keypad, proximity card, smartphone, or other devices.



TELESCOPIC GATE

This gate's unique telescopic functionality allows the gate to slide into itself, optimizing space and ensuring efficient operation without compromising security. This space-saving feature is ideal for environments with limited space, allowing for maximum area utilization while securing critical infrastructure.



SPACE EFFICIENT DESIGN

Ideal for restricted spaces, the telescopic gate's sliding mechanism retracts into itself, minimizing the area required for opening and closing.



NOISELESS & SMOOTH OPERATION

Equipped with advanced trackless technology and concealed rollers, the gate operates quietly and smoothly.



SAFETY FEATURES

The gate is equipped with ambush alarms, infrared beams, and an anti-crush feature, providing safety by detecting obstructions and preventing accidents.



BI-FOLDING GATE

The bi-folding gate by A-1 Fence is engineered for maximum access control and optimized space usage. Its compact, fold-back design allows for seamless integration, ensuring both enhanced security and operational efficiency.



SPACE-SAVING DESIGN

The gate's bi-folding mechanism minimizes the operational footprint by folding back onto itself, making it ideal for areas where space is at a premium.



QUICK & SMOOTH OPERATION

Its fast operation is essential for data centers, supporting quick, high-security access in a time-sensitive environment.



LOW MAINTENANCE

Built with quality components, the bi-folding gate requires minimal maintenance, reducing the need for frequent servicing.



SWING GATE

A-1's swing gate solutions combine security and style for seamless access control at data centers. Available in single and double leaf options, these gates are crafted for durability and easy operation.



MODULAR & CUSTOMIZABLE

Built with modular fixing components, these gates are easy to install and require no on-site welding or fabrication, allowing for flexible configurations.



HIGH STRENGTH

Constructed to meet IS 875 wind load standards, these gates offer reliable performance, withstanding the natural wind loads typical to your region.



SUPERIOR LOCKING MECHANISM

Equipped with a stainless steel self-latching bolt and hook, our swing gates offer enhanced security, preventing forced entry.

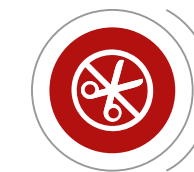
INTERNAL DEMARCATION

Our internal demarcation fencing solutions offer precise separation within data centers, ensuring secure, organized spaces.



ANTI-CLIMB

The mesh size leaves no space for a foothold, effectively preventing climbing attempts and reinforcing security.



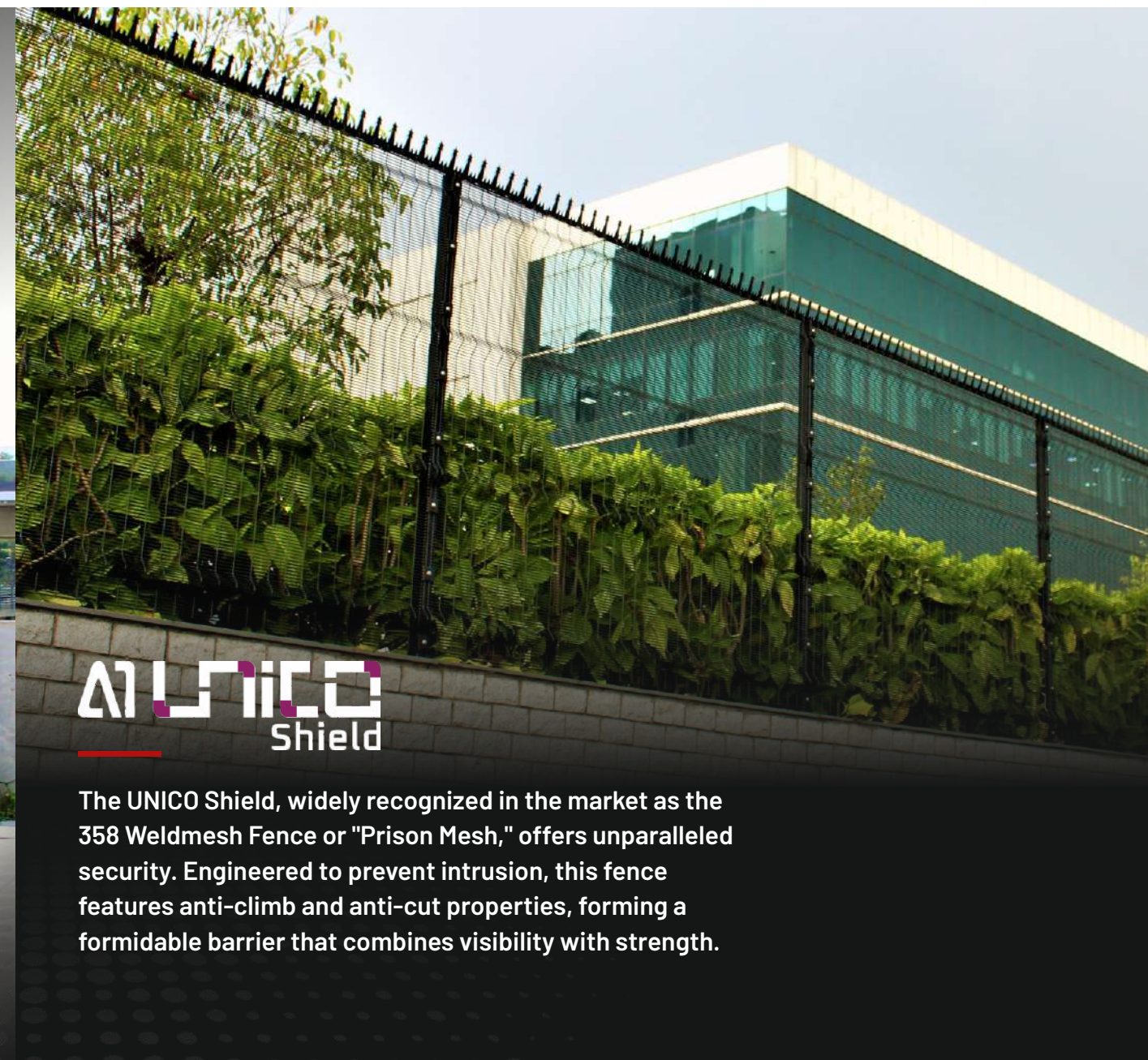
ANTI-CUT

The dense mesh structure is resistant to standard cutting tools, providing an additional layer of protection against forced entry.



GOOD VISIBILITY

Despite its density, the 358 Fence offers excellent visibility, allowing seamless surveillance and ensuring intruders remain exposed.



UNICO
Shield

The UNICO Shield, widely recognized in the market as the 358 Weldmesh Fence or "Prison Mesh," offers unparalleled security. Engineered to prevent intrusion, this fence features anti-climb and anti-cut properties, forming a formidable barrier that combines visibility with strength.



UNICO
Prima

Our UNICO Prima brings a modern edge to internal demarcation with its sleek, modular weldmesh design, ideal for data centers requiring organized, secure zones. It offers a refined look that aligns with the high standards of data center environments, while its modular structure ensures fast and easy installation.



NO FIXTURES

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



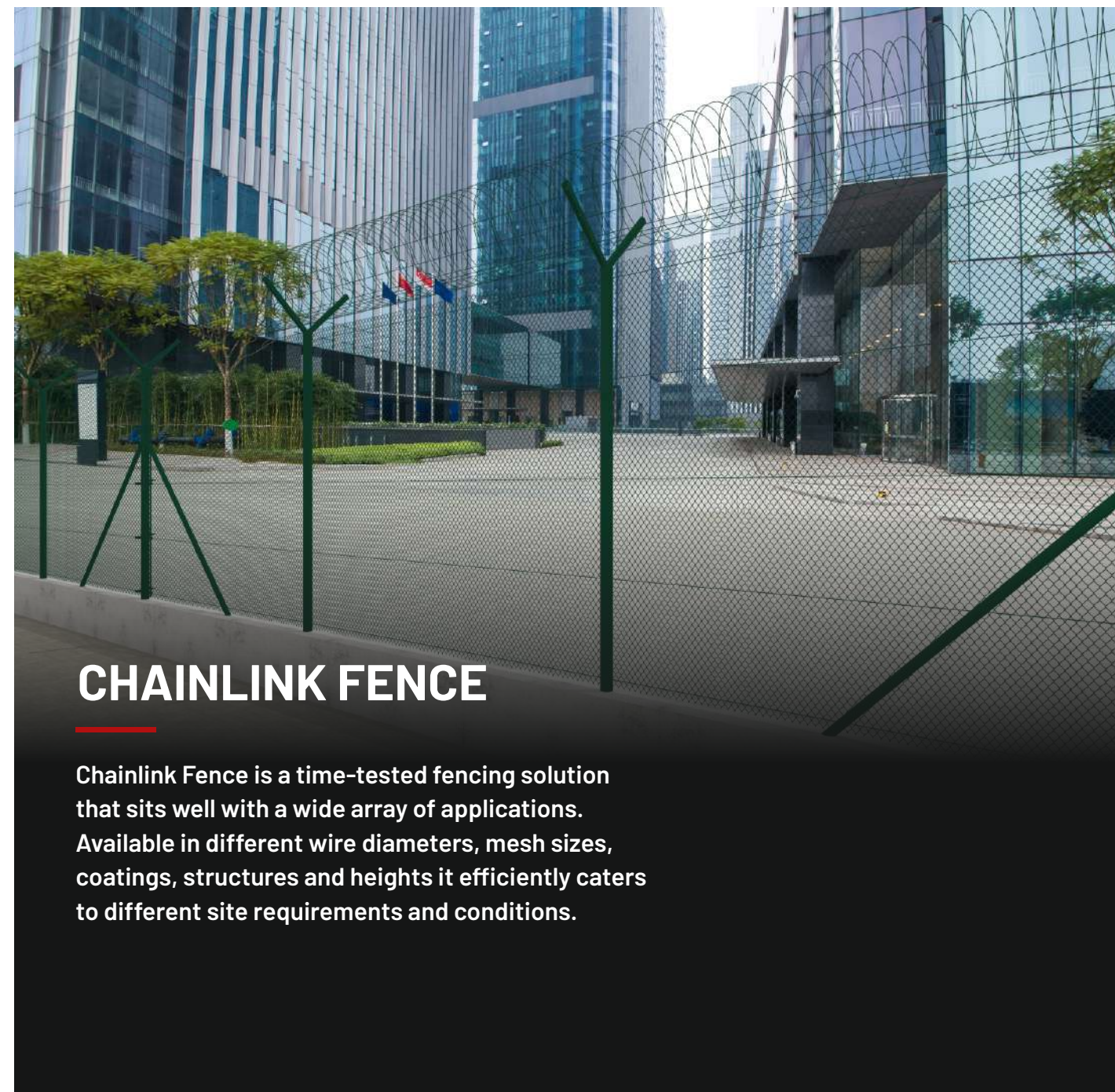
ELEGANT

The distinctive mesh pattern adds aesthetic elegance to the perimeter.



MULTIPLE COLOR OPTIONS

Wide range of customizable color options to match the perimeter design theme.



CHAINLINK FENCE

Chainlink Fence is a time-tested fencing solution that sits well with a wide array of applications. Available in different wire diameters, mesh sizes, coatings, structures and heights it efficiently caters to different site requirements and conditions.



EASY INSTALLATION

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



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.

OUR COATINGS

THE FOUNDATION OF LONGEVITY & CONFIDENCE

At **A-1 FENCE**, our commitment to excellence goes beyond just creating robust security solutions. It extends to every layer of protection we offer, starting with our superior powder coating competency—a sacred aspect of our manufacturing process that ensures our products stand the test if time. For over 15 years, we’ve honed our expertise in certified specialty coatings, ensuring our products not only meet but exceed industry standards, even in the harshest environments ensuring that every product is perfectly suited to its intended application. By working closely with powder OEMs, we’ve developed coatings that significantly enhance product quality, longevity, and performance.



TYPES OF POWDER COATINGS OFFERED

POLYESTER POWDER COATING

(Thermoset Compliant to BS EN 13438 - C1, C2, C3)

Designed to offer long-lasting protection in less severe corrosion environments.

THERMOPLASTIC COATING

(Compliant to BS 1722 - C4, C5, C5X)

Ideal for more extreme conditions, providing a resilient shield against the most adverse environments.

BUILT TO LAST: A DECADE OF CONFIDENCE

Our confidence in the durability of our products is reflected in our 10-year warranty. This assurance is made possible by our superior coating process, which ensures that every fence, gate, or barrier we produce is protected against the elements and remains as pristine as the day it was installed.

OUR FENCES STAND THE TEST OF TIME

We'll let the results speak for themselves. Our long-standing fences, in place for years, still look as good as new—testaments to the unmatched quality of our coatings.



14 YEARS

NESTLE SAMALKHA



14 YEARS

TATA CHEMICALS



14 YEARS

BHARAT DIAMOND BOURSE