

B BETA FENCE



DATA CENTRES



Data safety starts
at the perimeter



THE COST OF A DATA OUTAGE

ACCORDING TO 54% OF THE RESPONDENTS TO UPTIME'S 2025 ANNUAL SURVEY

their most recent significant serious or severe outage cost more than

\$100,000

with one in five saying that their most recent outage

cost more than

\$1 million*

*Annual Outage Analysis, Uptime Institute, 2025

Trusted protection for the worlds digital infrastructure

As the demand for data expands exponentially, so too does the responsibility to protect it. Every digital connection relies on physical infrastructure — and that infrastructure begins at the perimeter. Data centres are the lifeblood of modern economies — powering finance, cloud services, and government operations.

The pace of industry transformation is accelerating. Soaring demand for artificial intelligence is straining existing data centre facilities and driving the need for many more to be built. Facility security is a critical component in the strategic review and construction of any data centre, ensuring robust physical protection for the valuable data inside.

From unauthorised intrusion and vehicle ramming to vandalism, activism, and insider-assisted breaches, physical threats are evolving just as rapidly as digital ones.

Physical perimeter security serves as the first line of defence and a strong visual deterrent to prevent would-be intruders from entering the site.

Every second of downtime can cost thousands, and every breach damages reputation and trust. Building true resilience requires protecting both the servers within and the perimeter that surrounds them.

Security begins at the edge — not the firewall

KEY SECURITY THREATS



COMMON THREATS

Unauthorised access

Individuals attempting to breach perimeter fencing or gates

Theft or sabotage

Targeting power supplies, cabling, or on-site hardware.

Vehicle-borne threats

Ramming or forced entry using hostile vehicles.

Vandalism and activism

Politically or environmentally motivated damage.



EMERGING THREATS

Hybrid physical-cyber attacks

Devices or hardware planted on-site for later access.

Drone reconnaissance

Remote observation and mapping of security layouts.

Insider facilitation

Exploiting weak external defences to enable internal breaches.

Environmental impact

Storm, flood, and corrosion damage reducing barrier performance.

OVER AND ABOVE THE FINANCIAL IMPACT THAT A DATA OUTAGE CAN HAVE, THE CONSEQUENCES OF AN UNPLANNED DOWNTIME CAN BE FAR REACHING...

REPUTATIONAL DAMAGE

OPERATIONAL DOWNTIME

LEGAL ACTION

Our Four-Step Security Approach

A Smarter, Stronger Approach to Perimeter Security—Designed for Today, Ready for Tomorrow. Our proven four-step approach ensures every solution is designed around your needs, built on real-world data, and supported long after installation.

Creating a secure perimeter is not simply about installing equipment - it is about understanding the customer, the environment, the risks, and the long-term operational needs of the site. An effective perimeter security solution must be tailored, evidence-based, and agile enough to evolve alongside emerging threats. Our structured four-step methodology ensures that every project is approached with clarity, technical precision, and a commitment to continuous improvement. From the first conversation to ongoing support, this framework guides us in delivering robust, reliable, and future-ready security solutions.

1

DEFINE AND IDENTIFY

- Understand the customer objectives and operational needs
- Identify environmental, regulatory or financial constraints
- Conduct a detailed Security Threat and Vulnerability Assessment

2

ASSESS AND DESIGN

- Understand the risk profile
- Design the most effective and efficient security system
- Leverage our extensive portfolio integrating trusted offerings from selected partners

3

IMPLEMENT AND VERIFY

- After design approval, coordinate the install process
- Minimise disruption
- Audit and adjust to deliver a safe, optimum solution

4

EVALUATE AND SUPPORT

- On-site inspection to verify that identified risks are mitigated
- In-built corrosion protection thanks to unique coatings
- Proactive after care to monitor, maintain and support the site

DESIGNING RESILIENCE FROM THE OUTSIDE IN

The perimeter is the first and most visible line of defence in any data centre's security architecture. It must deliver reliable protection, integrate with surveillance, and maintain a clean, professional aesthetic that reflects the integrity of the organisation inside.

Our approach:



Design in Security

— integrating perimeter protection from the earliest stages of site planning.



Certified Performance

— globally recognised 3rd party certification is critical for the high security protection needed.



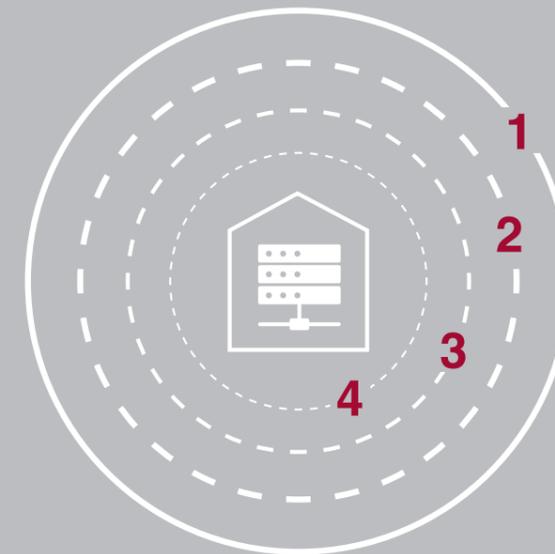
Integration Ready

engineered to integrate physical and electronic security; for CCTV coverage, intrusion detection, and access control.



Scalable & Adaptable

suites for hyperscale, co-location, and edge facilities.



1 Crash rated fencing systems for hostile vehicle mitigation.

2 3rd party certified delay fencing at the perimeter.

3 Crash rated gates, bollards and barriers at pedestrian and vehicle access points.

4 Security Management: Intrusion detection, monitoring, access control, analytics.



Precision Engineering Meets Uncompromising Security

At Betafence, quality comes as standard in every fence we manufacture. Our products are engineered with durable materials and finished with premium protective coatings to ensure long-lasting performance in any environment. Each fence is rigorously tested and backed by our comprehensive quality guarantee and industry-leading warranties, giving you complete confidence that your investment is built to last.

Our perimeter fencing solutions are engineered to deliver long-lasting performance through advanced coating technologies that protect against corrosion, harsh weather, and environmental wear. Each layer is applied to the highest industry standards, ensuring exceptional durability even in the most demanding conditions.

Every product undergoes rigorous testing and is backed by comprehensive quality guarantees, giving our customers complete confidence in the strength and longevity of their perimeter protection.

With our proven manufacturing processes and stringent quality controls, we provide fences that not only provide unrivalled security but remain reliable year after year.

Betafence's Powder Coating Protects Your Products



Corrosion Resistance: We tailor the coating characteristics to meet the requirements of your environment.



UV Resistance: The light and UV resistance of our coatings are tested in our laboratory using accelerated UV-A and UV-B tests.



Environmentally Friendly: Powder coating does not contain solvents, making it environmentally friendly compared to liquid paints. Excess powder is collected to minimize waste during the process.



Laboratory Tested: We test the resistance of our products in our dedicated testing chamber for salt spray and boiling water tests.



MARKET LEADING QUALITY AND PRODUCT GUARANTEES TO GIVE YOU PIECE OF MIND

BETAFENCE PROJECT LIFETIME GUARANTEE

As well as the 10 year Standard or Extreme corrosion guarantee which protects our perimeter systems from harsh environmental conditions including UV rays, saline and industrial corrosion, we also offer a project specific, functional life time guarantee. This commitment that lasts the life time of your perimeter is given when a system is designed, installed and maintained to our specification. This means that a Betafence installation can be guaranteed for 10 years, 20 year or longer.

OUR QUALITY GUARANTEE AS STANDARD

A fence that is tailored to its environment will provide you with security and longevity. Betafence has always been a pioneer in providing guarantees for its range of fences and gates, and these guarantees are now being enhanced.



The Betafence 10-year standard guarantee

**Valid for C1, C2 and C3
environments in Europe.**

Betafence fencing systems with Polyester, PVC or Zincalu® Super coating installed more than 3km from the sea.



The Betafence 5-year enhanced guarantee

Valid for C4 environments in Europe.

Betafence fencing systems with polyester or PVC coating installed between 1 and 3km from the sea.



The Betafence 10-year extreme guarantee

Valid for C5 environments in Europe.

Betafence fencing systems with polyester or PVC coating installed at the seaside.

Engineered excellence, tested and certified for confidence

In today's threat landscape, adhering to strict data centre security standards is essential.

Independent testing by recognised authorities verifies that a security system can perform under real-world conditions, withstanding threats ranging from unauthorised intrusion to vehicle ramming attacks.

For operators of critical infrastructure choosing certified systems ensures compliance, risk mitigation, and peace of mind. Our portfolio of ASTM and LPCB certified solutions enable you to design your data centre to withstand sophisticated physical attacks, protecting both your equipment and data.



ASTM CERTIFICATION

(AMERICAN SOCIETY FOR TESTING AND MATERIALS)



ASTM International is a globally recognised organization that develops standards for materials, products, systems, and services, including perimeter protection. With over 125 years of history and more than 13,000 standards used across 140 industries, ASTM is one of the world's leading standards bodies. Products tested to ASTM standards demonstrate verified reliability and are often required for government procurement and critical infrastructure.

ASTM standards set key benchmarks for crash-rated barriers and vehicle-impact resistance, such as ASTM F2656 and ASTM F2781. These tests measure a product's ability to stop or slow hostile vehicle attacks under realistic conditions. Engineers and consultants worldwide rely on ASTM data to support life-safety and infrastructure protection. Betafence offers perimeter protection systems certified to two major ASTM norms.

ASTM F2781

Standard Practice for Testing Forced Entry, Ballistic, and Low-Impact Resistance of Security Fence Systems. This certification confirms a fence system has been tested to resist forced entry using tools and other methods.

ASTM F2656

Standard Test Method for Crash Testing of Vehicle Security Barriers. This standard evaluates how effectively a barrier or fence can stop a high-speed vehicle, measuring vehicle size, speed, and post-impact penetration distance.

LPCB CERTIFICATION

(LOSS PREVENTION CERTIFICATION BOARD)



LPCB: The Loss Prevention Certification Board (LPCB) is a globally recognised third-party certification body with over 150 years of expertise. Its certification is widely accepted, particularly where risk assessments require independently verified intrusion-delay ratings.

The LPCB's Loss Prevention Standards (LPS) are used worldwide, providing confidence that certified products and services perform effectively.

LPS 1175, developed by LPCB, tests the ability of security barriers and fencing systems to resist forced entry using defined tool sets and time periods. Certification to LPS 1175 proves resistance against determined intruders, making it suitable for critical assets such as data centres, government compounds, and high-value infrastructure.

The LPS 1175 Issue 8 standard guarantees enhanced protection through a rigorous classification system:

- Threat level – Letter A to H, indicating the tool kit and number of attackers.
- Delay – Number (1, 3, 5, 10, 15 or 20) indicating minimum delay in minutes.

Betafence LPS 1175 Issue 8 Systems:

Betafence's certified fences are specified for critical sites such as data centres and increasingly chosen for other locations that require independently tested perimeter protection.



Global Hyperscale (USA)

A global hyperscale operator required a perimeter solution from a partner with proven quality assurance and the ability to align fully with the operator's global security specification across multiple geographies. With a large multi-phase campus under construction, the operator prioritised suppliers with ASTM and LPCB certified systems. Betafence's perimeter design integrated seamlessly with the customer's preferred security partners, including long-range CCTV, access control, and detection technologies.

The operator highlighted Betafence's quality, transparent documentation, and certification-backed performance as key factors in awarding subsequent expansion phases.



Project Spotlight

Data centre's should be designed, built and maintained to withstand everything from corporate espionage, to terrorists, to natural disasters.

We have designed multi-layered protection to harden the perimeter against potential breaches, deterring potential attackers and delaying determined attackers.

Our solutions protect your data centre, and protect your business.

MORE PROJECT HIGHLIGHTS



Co-location Site (Europe)

A major colocation provider expanding an urban campus needed a security partner capable of satisfying strict multi-tenant audit requirements while ensuring the perimeter aligned with industry best practice. They required independently verified performance, strong integration capability, and a supplier trusted across the telecoms and financial sectors.

Betafence was chosen for its LPCB and ASTM-aligned certifications, clear compliance documentation, and high quality systems. Key to winning the project was the commitment to enable the site to remain fully operational during upgrades while meeting the security expectations of demanding enterprise and government tenants.



Unmanned Sites (Europe)

A telecom operator deployed a series of edge data centres to support 5G rollout across semi-urban sites. These locations faced increased risk from opportunistic intrusion, vandalism, and limited on-site staffing. The operator needed a fast-to-deploy, robust perimeter that maintained performance on compact and uneven plots.

Betafence delivered modular installations using the LPCB rated anti-cut, anti-climb Securifor fence system, available up to 5 meters in height, it serves as a real barrier against intrusions. secure even on uneven terrain.

Clear CCTV visibility and integration with remote intrusion sensors ensured consistent monitoring from the operator's central monitoring station. The durable coating and low-maintenance design reduced long-term visits and operational cost — a critical factor for distributed, unmanned sites.



Global Cloud Provider

A global cloud provider planning a 70-acre hyperscale campus required a certified, ultra-rigid perimeter solution capable of supporting wide-area CCTV coverage and integrated detection. The site demanded high intrusion resistance, HVM compatibility, and a system that could maintain structural performance across varied terrain.

Betafence delivered the solution with LPS 1175-rated fencing and pre-engineered HVM integration. The final perimeter achieved full compliance with the operator's global security standard. Betafence now supplies repeat phases across the campus due to the system's performance and lifecycle value.

Our solutions protect your reputation and minimise operational downtime

We provide a wide range of security products and solutions designed to protect critical infrastructure and people. Our offerings include perimeter fencing, barriers, and other security solutions. These products ensure high-level protection against various threats, including intrusion, terrorism, and natural disasters.

HIGH SECURITY FORCED ENTRY/ DELAY RATED FENCES

Our extensive range of high security fencing systems provide perimeter protection for every application around the world.



SECURIFOR DEFENDER

- ASTM F2781-15 forced entry resistance certified
- Independently tested & certified High Security ANTI GRIND, ANTI CLIMB DELAY fencing system, Its small apertures make climbing or scaling the fence virtually impossible
- **MINIMUM OF 6.8 MINUTES AGGRESSIVE THREAT DELAY**
- Over 40% Visibility Index ensuring good visibility



BLOKAD PALIFOR

- Modular High Security LPS 1175 SR2/B3 certified Palifor® fencing system
- LPCB B3 certified & crash tested based on ISO 22343 Equivalent to ASTM M30 P1 and PAS68
- Resistance to forced entry using category B tools
- Up to 25 to follow ground slopes and irregularities
- Variety of pales and additional fence topper deterrents
- **0.3 METRE PENETRATION - BEST IN INDUSTRY**
- Built-in anti-ram cables to instantly stop high-speed vehicle attacks



Complete solutions that guard the gateways of data

We provide complete perimeter security solutions – not just high-performance fencing. From anti-vehicle, crash-rated gates, barriers and bollards to fully integrated CCTV and monitoring systems, our expertise covers every layer of protection. We design, manufacture, and deliver robust systems that secure your site with reliability, innovation, and total peace of mind.



CRASH RATED BARRIERS & GATES

- Certified to stop vehicles with no penetration past the fence or gate
- Attacking vehicle is completely immobilised and does not create an opening in the gate removing the possibility of a second ram attempt



ANTI VEHICLE WEDGES

- Protect against hostile vehicles and control access to your site
- Flush, shallow and surface mounted road blocker wedges
- Crash rated option available



ANTI VEHICLE BOLLARDS

- Our anti-vehicular portfolio includes crash-rated, static and retractable bollards
- Hydraulic or Electro mechanical operation
 - Static and retractable bollards
 - A wide portfolio with various crash ratings



VERY EARLY INTRUDER DETECTION SYSTEM

- Fiber optic cables integrated in the perimeter fence provide an early warning alarm if the fence is cut, lifted or scaled
- The authorities receive accurate real-time notification pinpointing any perimeter security breach
- The solution adapts to the environment, avoiding unwanted, nuisance alarms



CCTV AND SURVEILLANCE

- Wide variety of compatible CCTV systems from trusted partners
- Including thermal and motion detection
- Solar powered systems available

Securing what matters most is the core of what we do, and we are focused on keeping data centre facilities a safe environment for employees and data.

Our Security Experts can help you choose a perimeter security solution that is engineered to withstand forced entry, mitigate scaling and trespassing.

IB BETAFENCE
a PRÆSIDIAD brand

Securing What Matters

**TO FIND OUT MORE PLEASE CONTACT OUR
SPECIALIST DATA CENTRE SECURITY TEAM**

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