



DATA CENTRE SOLUTIONS

surelockmcgillgroup.com/datacentres



[Securing the people
who secure the country]

THE SURELOCK MCGILL GROUP



8

Companies



5

Factories



50+

Countries Secured

The Surelock McGill Group of companies has over 60 years of experience designing, manufacturing and installing physical security solutions for the protection of buildings and critical national infrastructure. We are recognised as a global leader in providing combined protection solutions against forced entry, blast, and ballistic threats, together with fire containment and life safety egress where required for both door and locking solutions.

Intensive research, development, and innovative manufacturing underpin the quality of our products to ensure they meet the needs of today's highly demanding and sensitive physical security market. Our products are designed with unrivalled strength, robustness and longevity in mind to provide the best solution for our customers' needs.

As both a turnkey and customised solutions provider, we have been specified to help protect some of the most prominent sites globally. We work directly with end users, consultants, architects, specifiers, OEMs and more. With manufacturing centres in both the UK and North America, distribution centres in Australasia and OEM customers on every continent, we have a global presence and product support wherever our customers are located.

MEET THE COMPANIES



Surelock McGill

Global leader in the design and manufacture of high-performance locking solutions and ancillary door furniture for over 60 years, with a multitude of international accreditations to provide certified protection against forced entry, blast, and ballistic attacks, as well as fire containment, while ensuring life safety egress.



Tindall Engineering

Designer and manufacturer of the MICO range of high-security locking systems and ancillary door hardware, which are extensively tested and internationally accredited for physical attack, ballistic and fire performance applications.



Stafford Bridge

Market leader in the design, manufacture, and installation of high-performance timber and composite doorsets, walls, windows, and louvres, providing multi-accredited protection against forced entry, blast and ballistic threats, as well as fire resistance, life safety egress and healthcare solutions.



BenweldSecure

Designer, manufacturer, and installer of armoury storage solutions. Including weapon cabinets, secure walling, containers, armoury and vault doors, serving hatches and barsets, to protect against physical attack, blast and ballistics, where multiple threat mitigation is required.



247 National

Provider of national lock call-out services, planned preventative maintenance, lock installations, and fire door inspections. Trained engineers with appropriate accreditations specialising toward national accounts, utilities, and government infrastructure worldwide.



Safelocking

UK distributor of leading brands of security products from independent global companies, such as the LoxTop range of key and asset management systems, the iLOQ range of smart locking solutions and Sargent & Greenleaf safe locks.



Amesbury Locks

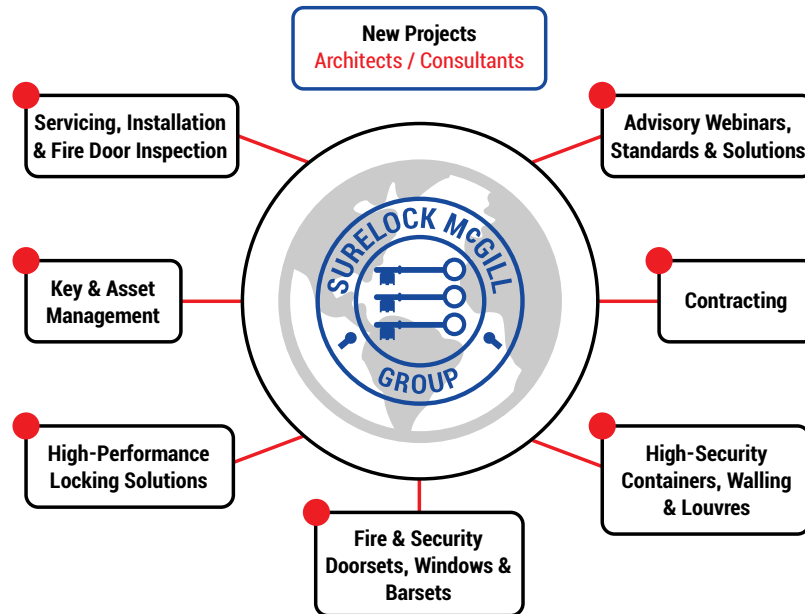
Provider of dedicated, full-time specialist locksmith engineers permanently based at customer sites, ensuring continual product operation, installation and performance. Services include specification, maintenance and repair of security doors, locks, and associated security products, plus fire inspection on high-performance-rated doors.



Surelock McGill Americas

North American manufacturer of the Surelock McGill range of high-performance locking systems and trims. Providing protection against forced entry, blast and ballistic attacks, as well as fire containment and life safety functionalities. Accredited to UL and other international standards.

TOTAL PHYSICAL SECURITY SOLUTIONS

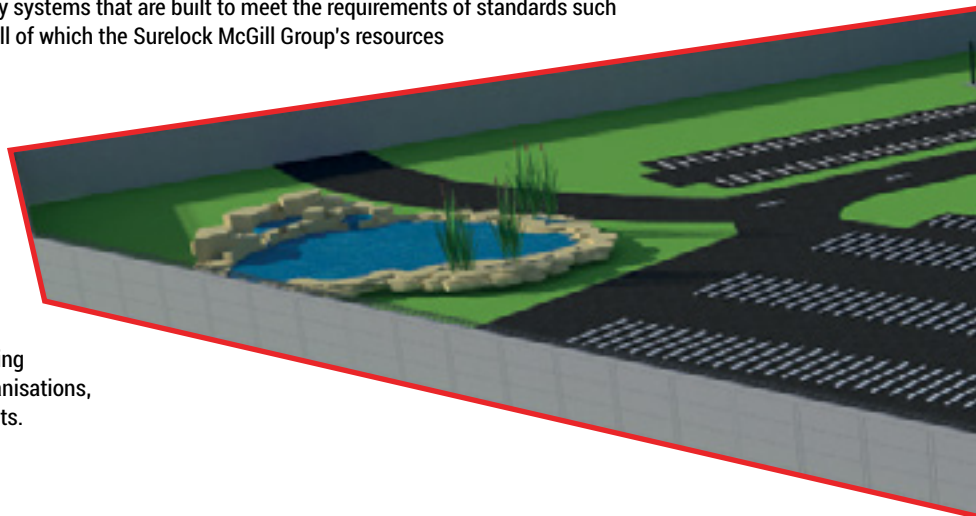


The Surelock McGill Group offer both individual and combined solutions that data centre customers can choose from and integrate into their existing security arrangement. Combining our products, expertise, knowledge, testing, and certification gained within the individual companies allows us to provide a fully qualified solution that merges the strengths of each of our specialist British manufacturers.

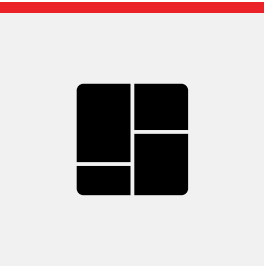
Every data centre needs effective fire and security systems that are built to meet the requirements of standards such as EN 50600, EN 1627, EN 1634 and LPS 1175, all of which the Surelock McGill Group's resources can help provide.

With scalable solutions, our offerings meet the needs of on-site offices and hyperscale warehouse centres alike. Ideal for a range of industries, including government groups, hyperscale data hubs, List X sites, as well as official and top-secret projects.

As well as tailoring to different sizes, we also tailor for various protection requirements, including against activist and protest groups, terrorist organisations, unauthorised urban exploration and inside threats.



Total Physical Security and Fire Solutions



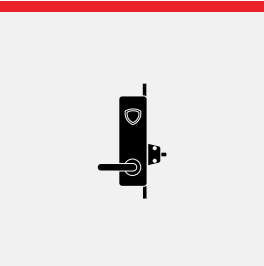
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High-Security Containers,
Walling & Louvres



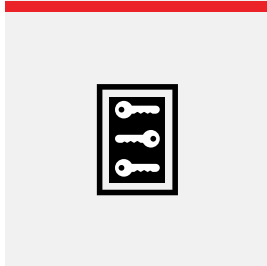
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Fire & Security Doorsets,
Windows & Barsets



3

High-Performance Locking
Solutions



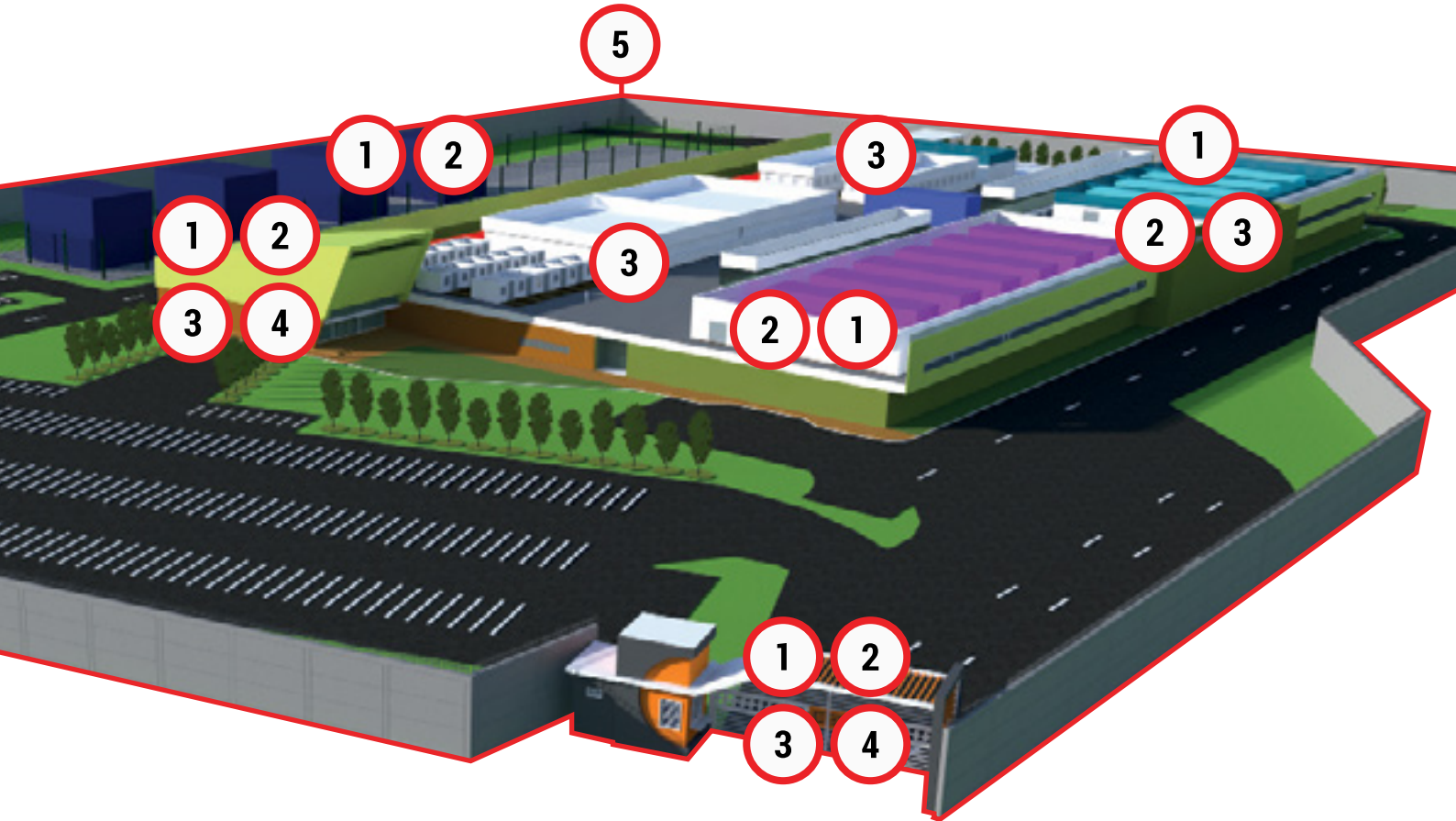
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Key & Asset Management



5

Servicing, Installation &
Fire Door Inspection



PRODUCT STANDARDS



Life Safety - EN 1125, EN 179, UL 305 and EN 13637

EN 1125 & EN 179 relate to panic and emergency hardware standards typically used throughout Europe, whilst UL 305 is the US standard for safety panic hardware.

EN 1125 (panic) is designed to be used where there is a danger of panic and provide safe escape with minimum effort by a person or group of people unfamiliar with their environment such as public buildings. Whilst EN 179 (emergency) is designed to be used in applications where the exit door is used by trained personnel and the risk of panic is minimal. The Surelock McGill Group have tested and certified solutions to meet these standards.

EN 13637 is a European standard for electrically controlled escape systems used for doors on escape routes. The standards permits electronically controlled escape doors with either immediate exit using a button or access control system, or a delayed exit. Delayed exit systems require a physical push button and a visual indication during the delayed countdown. EN 13637 allows a maximum of two operations to escape. In the event of a power failure, escape must be immediate with a maximum of one operation of the panic bar or lever handle.



Fire - EN 1634 and UL 10C

Fire resistance is essential to ensure optimal operation of each part of a building's construction, from window openings to shutters and panic escape hardware.

The primary data centre standard, EN 50600, requires that all parts of the EN 1634 fire resistance and smoke control standards are followed.

Another standard to consider is UL 10C. This American fire safety accreditation certifies fire resistance (check if doors as well as locking system) for up to 3 hours.

The Surelock McGill Group provides products that can help you meet these standards where appropriate, no matter the data centre's location.



Forced Entry - LPS 1175 and EN 1627

LPS 1175 is the primary forced entry standard for the protection of buildings. The standard focuses on building components including high-security walling, windows, ironmongery and doorsets. It provides a rating based on the tool kit used and how long it delays an attack.

EN 1627 is the primary forced entry standard used across Europe in relation to burglary resistance. The pass ratings for this accreditation focus on withstanding forced entry attempts using a wide range of tools, including electric tools, during a single-man attack.



Blast - ISO 16933:2007 and ASTM F2247

Due to many different types of blast threats, there is rarely a one-size-fits-all approach, but two of the main standards used to determine the efficacy of our blast resistance products include ISO 16933:2007 and ASTM F2247.

Both of these methods focus on security doorsets and how they continue to function and protect after a high explosive blast attack.



Ballistic - EN 1522 /1523

When it comes to resistance against bullets and ballistic attack, EN 1522 /1523 is a key standard to consider for all components of your data centre security.

When an attack occurs where firearms are used, function as well as ballistic protection needs to be considered. The Surelock McGill Group have a wide range of solutions designed around optimal ballistic protection.



Government-Approved

Government agencies provide advice and evaluate security products that are used in critical national infrastructure and government buildings, including data centres.

Based on the layered security principles of Deter, Detect, Delay, Mitigate and Respond, government-approved products are ranked based on the security product's ability to stop attacks, either physically or through detection. The Surelock McGill Group have government-approved products to suit these requirements.



CONTRACTING SERVICES

The Surelock McGill Group offers a comprehensive contracting service under one roof. From initial design concept and specifications to post-contract maintenance and emergency call-out engineers, we have a dedicated team with extensive experience to offer you peace of mind.

Capabilities

- Guaranteed response times maintenance service
- Advice on initial concept, design and specifications
- Pre-contract negotiations
- Project detailed design drawings and site surveys
- In-house contract management teams
- Security cleared installation management and installers
- Post-contract maintenance and emergency call out engineers



Advice On Specifications



Pre-Contract Negotiations



Design, Drawings & Site Surveys



Contract Management Teams



Security Cleared Installation Teams



Maintenance & Emergency Call-Outs



HIGH-SECURITY CONTAINERS, WALLING AND LOUVRES

Modular Walling

Our unique range of high-performance, modular security walling has been government tested and also certified to LPS 1175 and is available as a complete design and build package, including floors, walls and ceilings.

LPS 1175 Modular Walling

Our range of robust, modular walling is tested and certified to LPS 1175: Issue 8 Security Ratings from B5 opportunistic attacks up to G5 for protection against planned and determined forced entry attempts.

- Tested to LPS 1175 security standard
- Robust, modular and certified
- 50% faster construction time than a traditional build
- No need to employ wet trades as walling can be used immediately
- Easily configured to match your existing facility with a choice of colours and finishes

Containers

The ISO-Secure containers merge versatility with exceptional security to create deployable environments for secure working spaces or custom fit-out storage facilities for high-value assets. The range has been extensively tested and provides the widest scope of LPS 1175-approved containers on the market.

- Unrivalled forced entry resistance tested and certified to LPS 1175: Issue 8 up to Security Rating G20 and government-approved options
- Unobtrusive, covert security upgrades retain the standard appearance of the container to hide its strength from the naked eye and blend into any environment to avoid drawing unwanted attention
- Optional secondary doors for enhanced access control and an additional layer of protection in sensitive environments, including RF & acoustic options



Sentinel Secure Structures

The Sentinel Secure is a government-approved modular walling and enclosure system designed to create secure structures and offer bespoke protection for high-value assets in any environment. Tested and government-approved, the system offers a bespoke solution to upgrade the security of an existing room or as a standalone facility.

- Tested and certified to UK government standards
- Easy to install
- Designed to be assembled from the inside
- Adaptable location – can be built inside an existing room or as a standalone facility
- Internal services are simply installed without outside access and special fittings
- Tested and approved ventilation, mechanical & electrical services penetrations
- Complete design and build solution available

Louvres

Our range of ventilation louvres and framing systems provides physical protection from hand and body threats.

- Secure means of meeting heat dissipation requirements
- Tested to LPS 1175 security standard
- Protection against body or hand access
- Framing systems can support apertures up to 7.5 m x 7.5 m



High Security Doorsets

Fire & Security Doorsets

Our bespoke range of high quality, security doorsets are tested and approved to a multitude of global standards, such as LPS 1175, EN 1627 and NPSA for security, as well as acoustic and insulation values.

Fire Resistance

Our range of fire doors and fire-tested locking systems are designed to protect building integrity through compartmentalisation and help keep people and assets safe in an emergency. Our products can also help achieve the necessary compliance with their certified fire resistance and reliable performance.

To ensure our fire-resistant solutions will maintain their operational efficiency during a fire and help provide safe escape, we test and certify our range to EN 1634, UL 10C and Certifire accreditations. Locking solutions such as the MICO Modula and the Slimline systems can be confidently installed and trusted to perform during fire-related emergencies.

LPS 1175 Range

We provide a wide range of doorsets designed around the LPS 1175 standard.

These include the Hendon, which was specially designed to deflect determined opportunists, the Sandhurst that resists determined and planned attacks, and the Wilton, Halton and Whitehall doors, developed around sophisticated attempts to break into a data facility.



Fire Resistance



LPS 1175
EN 1627
Government-Approved



Thermal Resistance



Acoustic Resistance



High-Security Windows



High-Security Barsets

EN 1627 Range

EN 1627 is a European security standard typically required for external data centre door applications. Working with steel door partners using the MICO Modula single-point lock, the Surelock McGill Group can service projects requiring fire doors, security doors, or both. Locations requiring acoustic or thermal insulation, blast performance, or customisation for oversized doorsets can be serviced using the Surelock McGill Slimline multi-point locking systems.

Government Range

We offer a wide range of doorsets that have been approved for use by the government, which include variations of the Sandhurst, Wilton, Halton and Whitehall doors.

These doors are designed to resist and delay forced entry attempts in tandem with high-security approved locking systems, including the Slimline.

Thermal Resistance

Insulation properties are an important aspect of data centre building design. Our doorsets have calculations relating to thermal transmittance to EN ISO 10077-1.

Acoustic Resistance

We also supply a high-quality range of approved sound-reducing doorsets that have been tested by independent laboratories to ensure they conform to currently accepted standards.

As standard, these acoustic-damping doors can be supplied with up to an RW50 rating, meaning that sounds will typically be reduced by 50 decibels.

Enhanced performance doorsets are also available that can achieve an RW54 acoustic rating.

These allow us to supply 30dB acoustic-dampening doorsets with up to 90-minute fire resistance, which can also be fitted with vision panels designed to meet these requirements as a complete unit.

Windows and Barsets

Our range of security, ballistic and blast window solutions has been developed to provide protection against various types of attack. Independently tested and certified, all elements of the window meet the required level of protection against the expected threat levels.

Our barsets are designed to fit your building's bespoke requirements, available as both square or arched sections. They are tested and certified up to LPS 1175: Issue 8 Security Rating C5 (SR3) to stop determined, skilled intruders.



High-Security Barsets

HIGH-PERFORMANCE LOCKING SOLUTIONS

Slimline Multi-Point

Operational Options

Our locking systems, manufactured by Surelock McGill and Tindall Engineering, are designed to meet the needs of a wide variety of data centre setups, from small multi-purpose offices to high-security hyperscale facilities.

Our high-security locking systems offer operational choices of key & lever handle, access control compatibility, motorised locking, combination lock entry, as well as both panic and emergency exit systems to meet life safety requirements.

In addition to our standard options, we offer bespoke solutions to data centres with specific security needs.



Panic & Emergency



Key & Lever



Access Control



Motorised



Automation



Delayed Egress

Single- and Multi-Point Locking Systems

Modula

The Modula is a versatile single-point mortice lock that combines certified physical security performance with discreet aesthetics for hidden strength. Tested and certified to prominent fire resistance, forced entry, and ballistic standards, the Modula provides multi-threat protection and helps to achieve the required compliance rating for your security and fire doors.

- 25 mm bolt throw in a mortice-fitted design for robust and discreet security
- Fire resistance accreditations include UL 10C, EN 1634-1 and Certifire to maintain integrity and functionality during a fire and prevent the spread of flames
- Forced entry resistance accreditations include LPS 1175: Issue 8 Security Rating B3 (SR2) and LPS 1673 D30E to withstand even the most determined attacks
- Emergency and panic escape versions fully tested and certified to EN 179 and EN 1125
- Cycle-tested to over 1,000,000 cycles



Life Safety



Key & Lever



Fire Containment



Access Control



Forced Entry



Motorised



Modula Single-Point Lock



Slimline Multi-Point Lock

Slimline

The Slimline is an exceptionally versatile multi-point locking system, designed to bring blast, ballistic and fire resistance together into a single powerful system. Available in mortice-fitted and surface-mounted options with 2- to 7-point bolting positions, the Slimline's exceptional performance improves any data centre physical security system. It meets the most significant forced entry, ballistic, blast and fire resistance standards, including LPS 1175, EN 1627, EN 1522, UL 752, ISO 16933, ASTM F2927 and more.

Abryll

Our flagship single-point locking system, the Abryll, is certified to LPS 1175: Issue 8 Security Rating E10 and Issue 7 SR6 when used with a specific doorset. Surface-mounted for easy installation, the Abryll has also been used as part of a panic and emergency exit system, and is compatible with all 12V access control systems, allowing for both convenience and security to be fitted to the same doorset.

Stirling

The compact Stirling single-point lock has been tested and certified to meet a wide range of international standards. This includes being security-rated up to LPS 1175: Issue 8 Security Rating D10 (SR4) and life safety certified to EN 1125 and EN 179.

The Stirling can also be used as a high security access control or motorised locking system with automatic deadlocking to ensure that the door is completely secure upon closure.



Breakdomes



Cylinder Guards



Lock Status Monitoring



Motorised



Access Control



Stainless Steel

Gatelocking

Moorgate

An ideal solution for internal or external sliding gates and doors, the Moorgate is an auto-securing twin-hook deadlock that offers both electronic access control and key entry provisions.

Featuring two inverted hooks and a central aligning guide bolt, the Moorgate is resistant to physical attacks and has been successfully tested and certified to LPS 1175: Issue 8 Security Rating C5 (SR3). The Moorgate is also one of the few security approved locking systems for sliding gates that can offer emergency escape functions to EN 179. Manufactured in Grade 316 stainless steel, the Moorgate is highly durable in hostile environments.

Purbrook GT

Made from full stainless steel, the Purbrook GT ensures corrosion resistance for a lock that will spend the vast majority of its operating life outside. Access control variations are available. Additional specific security options such as anti-fishing lever handles, breakdomes, and anti-drill plates tested to LPS 1175: Issue 8 Security Rating G1 and Issue 7 SR5 are available.

Palisade

The Surelock McGill Palisade is a heavy-duty manual sliding-bar locking system for hinged gates with all-stainless-steel construction. The sliding handle operates the fortified steel sliding bar with a choice of controlled or single-motion egress. The range includes two versions: the Palisade Pedestrian with a 50 mm (2") engagement, and the Palisade Vehicular with a 125 mm (5") engagement.



Moorgate Gatelock

KEY AND ASSET MANAGEMENT

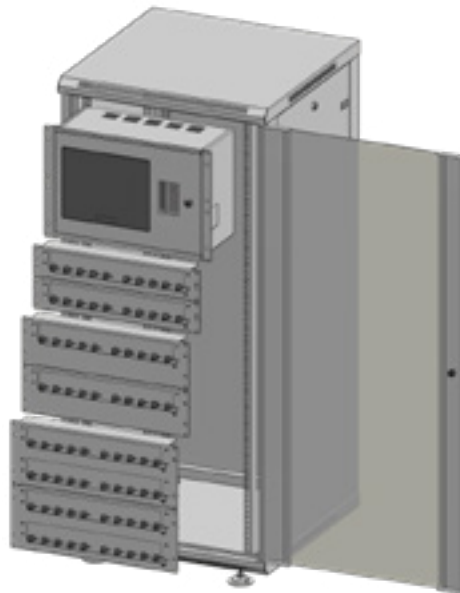
iLOQ

RackSafe

The RackSafe is the ultimate modular key and asset management solution for data centres. Designed to be installed into existing or new standard 19" server racks, the system keeps your keys and assets secure, streamlined, and traceable.

The modular design allows standard rack modules to be linked, creating a complete, customisable solution tailored to your needs. The Plug & Play operation ensures a cost-effective, simple installation, while the expandable structure enables easy upgrades to meet future demands.

Whether you need key rack modules for key control or storage rack modules to manage critical spare parts and other essential assets within your data halls, the RackSafe provides a flexible, scalable, and efficient solution.



iLOQ

The world's first near-field communication (NFC) self-powered lock cylinder. The iLOQ does not require a battery to operate and has made the world of smart locking more secure than ever.

As with most intelligent locks, the system can be opened with a smartphone. However, unlike most smart devices that rely on WiFi, the iLOQ uses NFC to provide efficient over-the-air access sharing, easing operational logistics and reducing the costs associated with mechanical and battery-powered options.

The access control rights can be updated using a dedicated cloud-based software platform, allowing for external workers to enter for essential maintenance, but without the risk or challenge of providing them with a physical key.

LoxTop

The LoxTop IQ Key and Asset Management system is a highly advanced, versatile and customisable digital storage system with either keys attached to RFID steel fobs or intelligent storage boxes.

The LoxTop can log and monitor the movement of keys and assets, providing a live audit trail.

The LoxTop system can be used as a standalone digital safe or can be integrated into HR and access control systems to create a wide-reaching key management system. It can be managed from any approved location and expanded to meet the needs of small offices and hyperscale facilities alike.



LoxTop Key and Asset Management

SERVICING, INSTALLATION AND FIRE DOOR INSPECTION

Door Installations

Installation, Maintenance and Service

Alongside providing the product itself, we have a dedicated and experienced maintenance service provider with a long history of working with and servicing data centres: 247 National.

RESPONSE+

Part of our maintenance offering is 247 National's annual subscription service, Response+. Response+ can provide a guaranteed 4-hour response time and access to critical parts for repairs, ensuring emergencies are addressed quickly and effectively with custom options available. Our engineers will resolve any physical security repairs to keep your building safe and secure, while regularly scheduled maintenance visits and expert technical support help maintain the performance, compliance and longevity of your security systems.



4-Hour Response Time



Critical Spare Parts



Proactive Maintenance



Bespoke Packages

In addition to emergency repairs and planned preventative maintenance, our team of trained and approved engineers specialise in the installation of Surelock McGill Group locking systems and doorsets, locksmithing services, and fire doorset inspections. The 247 National team have security clearance to work on Government sites, with experience and accreditations to meet the stringent site-specific requirements that often accompany these locations.

247 National are able to provide rapid emergency call-out responses throughout the vast majority of England and Wales, and can respond to calls every hour of every day.



Door and Lock Repairs



Locksmithing Services



Fire Door Inspection



Door Installations



Perimeter Installations



Physical Security Upgrade



Planned Preventative Maintenance

CONTINUING PROFESSIONAL DEVELOPMENT



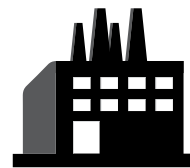
Streamed Webinar

Monthly live webinars hosted on the Surelock McGill Group website.



Site Presentation

Host your clients, customers and staff for a presentation by one of our representatives.



SMG Presentation

Join us at one of the Surelock McGill Group sites for a presentation, Q&A session and a tour of our on-site manufacturing facilities.

Wokingham, Berkshire • Pavenham, Bedford • Oldham, Manchester • Hartlebury, Birmingham • Lexington, Kentucky

Grow your knowledge with the Surelock McGill Group

As long-standing leaders and innovators in the physical security sector, the Surelock McGill Group stand uniquely positioned to share our expertise with our customers and contacts across the industry.

We run training sessions with the goal of helping you and your staff understand when particular standards are relevant, how these standards are tested and certified, and ultimately allowing your designers, architects, and engineers to specify and order with confidence.



To find out more and register for our monthly webinars, please visit the Surelock McGill website:
www.surelockmcgillgroup.com/webinar

For on-site and SMG site presentations contact us at:
groupmarketing@surelock.co.uk

Life Safety vs Security: Examining the Paradox of Two Conflicting Requirements

VS



Securing the people
who secure the country



An Introduction to Ballistic Protection Standards



Securing the people
who secure the country



Fundamentals of Blast and Blast Resistance Standards



Securing the people
who secure the country





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[Securing the people
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