



THE SURE DEFENCE

ATM & Banking Security

ISSUE 1 | 2022



ATMSAFE.CO.UK

ATM SAFE HAS OVER 30 YEARS EXPERIENCE WORKING WITHIN THE ATM SECURITY, BANKING, ELECTRONIC SECURITY AND CASH HANDLING SECTORS. WE PROVIDE EXCEPTIONAL QUALITY, CUSTOMISABLE ASSET PROTECTION TO BANKING ORGANISATIONS WHO NEED A RELIABLE PARTNER THAT GOES THE EXTRA MILE.



GAS ATTACK PROTECTION

GP-X



DRILL & CUTTING PROTECTION

Halo Armour
Plus Locks
ACW
ACP
LACP
DACP
E-Frame



RAM RAID & PULL OUT PROTECTION

Halo Armour
Strongarm HD anchor
Strongarm plinth
Sub Terra anchoring



SAFE DOOR PROTECTION

Plus locks
Internal relocking systems
DACP
ACP
LACP
E-Frame



DOOR PULL PROTECTION

ADPS
Anti hook plates
Anti door pull guards



DISPENSER AND ANTI-FISHING PROTECTION

ATM Blocker
DACP
Anti hook plates



ATM ROOM PROTECTION

Embassy ATM rooms and Kronos security doors



ATM REMOVAL PROTECTION

ATM Safe ESP GPS tracking and Alarm monitoring



ATM MONITORING & CONTROL PROTECTION

ATM Pincom,
ATFS power control,
Sentinel safe locks,
Cencon locks



CUSTOMER SPECIFIC DESIGNS

Custom ATM Security Solutions



ATM SERVICES

ATM recoveries
Asset recovery
Safe repairs and upgrades
Installations, removals and moves
Safe lock supply and installations
Servicing



We are the UK's leading Safe and Vault security company, providing a large selection of physical security solutions.



Our group supplies retail, commercial, banks and financial organisations across the UK and around the world.



THE SURE DEFENCE

After years dedicated to ATM crime and safe engineering Adam Greenaway and Anthony Shaun Walker decided it was time to create a company that could serve the industry much better, so in 2014 we founded the Safe & Vault Company with the major focus on the ATM SAFE brand, products and services.

ATM crime has always been a huge problem in the UK and with our experience, knowledge and dedication we soon struck up partnerships with the Gunnebo Group and Burton Safes to service the banking industry in the UK and across Europe.

Our reputation for designing the best quality physical security products and providing a 7 day week support service, meant we were soon successful and proud to win a contract to protect the Cardtronics ATM estate (the largest in the world and now owned by ATM manufacturer NCR) against physical crime and gas attacks.

With Gunnebo exiting the UK banking sector it left us with an opportunity to restructure and grow the company, so in 2019 we merged with Burton Safes and created the Trusted Security Group.

With the merger we are pleased to introduce Tony Lever to the ATM team as our Sales Director. With his vast experience in the security industry we feel the team is now complete. Tony is already very active in the industry and representing us on the ATMIA Board and organisations such as E.A.S.T and The UK Cash Supply Alliance.

By the end of 2022 we will have moved all our operations to one much larger headquarters in Brockholes, near Huddersfield and now trade as Burton Security Limited to cover all our brands ATM SAFE, Burton Safes and Safe & Vault engineering as we continue to develop, design, innovate and grow...

We use the latest technological advancements and high quality materials to produce state of the art solutions for the atm industry.



Internationally Recognised

Award winning solution

WINNER of the prestigious 2018 ATMIA Global Industry Security Award for ATM Physical Security Excellence.



New innovative, cost effective security products are our mission! For example we are very proud to be the first company in the UK to complete real time ATM gas attack testing, then design and produce a new ATM gas protection system, the GP-X.

Live testing sessions have been witnessed by Banks, the MOD and fire and security experts in the UK, Greece and Chile!

Joining ATMIA in 2015 was a priority for ATM Safe and we look forward to another busy year protecting the ATM industry.

“As CEO of the worldwide ATM Industry Association, I would like to congratulate Safe & Vault’s ATM Safe for successfully bringing the innovative Gas Protection X (GP-X) product to market. It takes years of investment and dedication to go from R&D, to prototype and then to make an impact in an competitive market.

The judges were very impressed with how GP-X directly combats the growing global threat of ATM gas attacks, protecting ATMs, cash, property and, most importantly of all, the cardholders using ATMs.

Brilliant!”

Mike Lee



ATM attacks in the UK

2018 was a record year for ATM attacks in the UK

2014 – 2020 Attacks

Between 2014 and 2018, the frequency of ATM attacks in the UK rose by an average of 22% each year*. 2018 saw a record number of ATM attacks, with more than 800 taking place across the UK.

Although the overall number of attacks does seem to be on a downward trend in 2019** - figures are still at a historically high level, with cash losses set to exceed £5m for the 5th consecutive year.

Positive figures, including a 22% decrease in drag outs, 47% decrease in cutting and 67% decrease in ram raid attacks have been offset by a doubling in the number of gas attacks, and the emergence of attacks using explosives.

A Covid World

On the 31st of January 2020 the COVID-19 pandemic arrived in the United Kingdom. This has had a massive effect on cash usage, retail business and the ATM banking industry.

Police reports indicate that ATM crime dropped off significantly during the major outbreaks, but since late 2021 the ATM attacks have started to rise again!

ATMSAFE.CO.UK

THE IMPACT – COMMUNITY

Despite the rise of electronic payments, 28% of all payments in the UK are made in cash. 98% of people in the UK still use cash, and more than 73% use it frequently. It is still the primary payment method for more than 2.2 million people in the UK, and just 5% say they rarely use cash.

WHEN ATMS ARE ATTACKED, OUT OF ACTION OR REMOVED, THE IMPACT IS FELT ACROSS THE LOCAL COMMUNITY:

THE POOR AND ELDERLY

Lower income households and older generations are the most affected. More than 78% of households in the two lowest income groups rely on cash. 26% of this group never use cards. In the over 65s group, 80% are reliant on cash.

RURAL IMPACT

In 2013, 31% of ATM attacks occurred in rural areas. In 2018, this figure was 32%, with around 25% taking place in communities without a branch of any bank*. ATM attacks in rural areas have a disproportionate impact on the communities.

ATMs support retailers and cash businesses in their local areas – and after an ATM attack, access to cash can be severely impacted. This impact is compounded in the many rural communities where there is only a single cash point and no bank.

ACCESS TO CASH

It can take up to 4.5 months for cash machines to be replaced following an attack – and in many cases, operators and host sites may decide that the risk of attack is too great to warrant replacement.

Residents then have to travel into neighbouring communities to spend money there, which has a significant, lasting impact on local retail and cash businesses.

THE IMPACT – SAFETY

The worrying increase in gas and explosive attacks also poses significant safety risks, in terms of:

THREAT TO LIFE

Using gas to break into an ATM is extremely dangerous. The resulting explosion can cause fire and is a real threat to life to anyone in the vicinity. In many cases, independent shops may be located in mixed use buildings with flats above them.

Gas attacks can also endanger the lives of on-site security personnel, emergency services and even the criminals themselves.

STRUCTURAL DAMAGE

The explosion caused by a gas attack can cause disastrous structural damage – both to the structure housing the ATM, and to nearby buildings. This can cause expensive and sometimes irreparable damage to the structures, and to those inside at the time/after the attack.

COLLATERAL DAMAGE

Explosive attacks often cause significant collateral damage and disruption to car parks and roads. Services are often disrupted for weeks after the event while risk assessments, investigations and repairs are conducted.

PSYCHOLOGICAL TRAUMA

Explosions can have a significant psychological impact, on individuals and the community at large. This doesn't just have an impact on those directly affected by the attack. Nearby residents and family members close to victims can be left with long term psychological damage.

WIDER THEFT

ATM theft is often tied to organised crime gangs. Cash stolen in ATMs is often used to finance further crime, such as drug dealing and illegal firearms – having an impact on the safety of the community at large.

In terms of ram raids and getaways, vehicles are usually stolen – this can lead to a local increase in vehicle thefts for getaway vehicles.

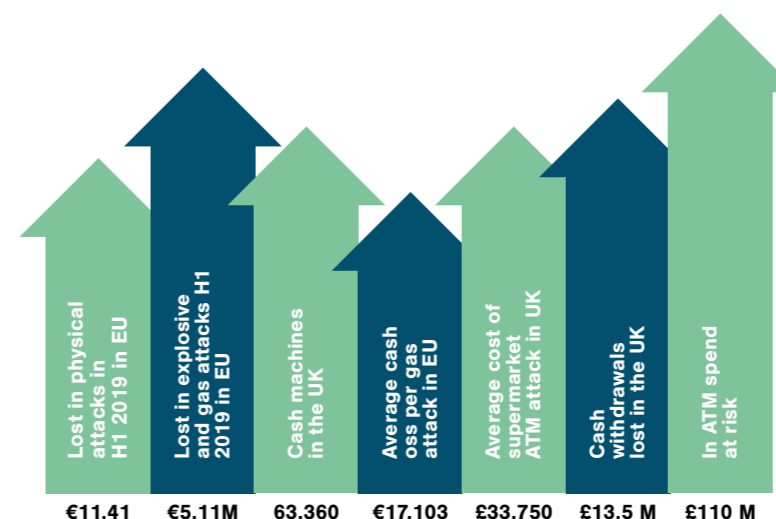
THE IMPACT – ECONOMICS

In reality, these figures do not tell the complete picture – and the overall economic cost to the ATM operator, shop and local economy can be significantly higher, in terms of:

- Machine replacement
- Cash restocking
- Property damage
- Structural repairs
- Insurance claims
- Higher insurance premiums

BUSINESS IMPACT

In serious cases, a gas attack or ram raid using a JCB digger can cause host businesses to relocate premises or cease trading, as customers are forced to go elsewhere. This can leave a permanent impact on the local community.



ABOUT THE AUTHORS

ATM Safe is part of Burton Security Limited. One of the UK's leading ATM security specialists – We have been trusted by major high street banks, ATM manufacturers, ATM security managers, police forces, alarm companies and ATM cash machine companies across the UK and around the world for more than 30 years.

A multi-award winning, specialist engineering business, ATM Safe produces a range of security products that have saved the ATM and Banking industries millions of pounds.



ATM Safe at a glance

£50m +

CASH SAVED

15,000

ATM SECURITY SYSTEM INSTALLED

UK Engineered

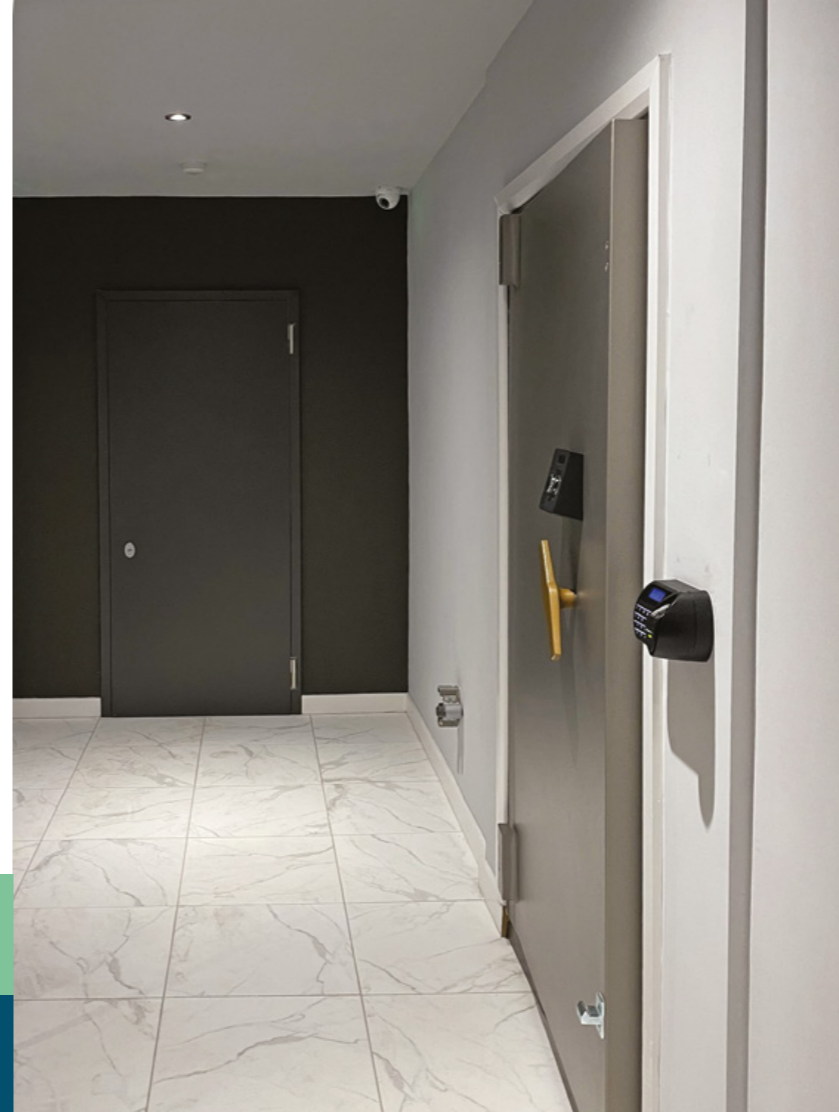
DESIGNED AND MANUFACTURED IN THE UK

30 +

YEARS OF EXPERIENCE

ATM Rooms

- ATM Rooms & Enclosures
Designed to our Clients Specification
- High Security Doors
- Access Control Options
- Embassy Walling Design
- Fire and Ballistic Protection Available
- Built in ATM Anchoring Options
- Low Voltage Lighting
- Delivered and Installed by our Expert Engineering Team
- Market Leading 2 Year Warranty



ATM Room Services

- ATM Room Design and Manufacture
- Retro Fit Room Walling Panels
- Secure Roof Linings / Steel Linings
- Supply and Installation Services

ATM Room Protection Embassy Security Rooms

Why choose The Sure Defence team?

- Award-winning security team
- Industry leading design and manufacturing
- Most competitive pricing
- Fastest lead times in the industry
- ISO 9001 certified company by LPCB
- Dedicated sales manager
- Experienced survey team

THE SURE DEFENCE TEAM

From the world's most advanced safe deposit centres in Hong Kong, to securing cash, bullion and valuables in banks and retailers across Europe and the Middle East; the team at Burton Security have the experience to advise, design and deliver physical security solutions to protect you and your assets.

The High Security team have over 85 years' worth of security industry experience and are qualified in security design and consultancy. Dedicated account and project managers ensure an unrivalled customer experience.

Burton Security's core principle is to ensure products are tested to the highest standards. We are proud to have tested products to LPCB standards and feature in RedBookLive.

Why choose Embassy Security Rooms and THE SURE DEFENCE team?

- Award-winning Security Team
- Industry Leading Design and Manufacturing
- Most Competitive Pricing
- Fastest Lead Times in the Industry
- ISO 9001 Certified Company by LPCB
- Dedicated Sales Manager
- Experienced Survey Team
- In-house CAD Design Team
- Dedicated Project Manager
- Dedicated Installation Manager

Expert in Security

Our High Security rooms and walling systems built to SR1 – SR6 standards, combined with a choice of armoured high security doors provide the perfect solution for building secure rooms to protect ATM's, valuables, critical data or create custom designed safe rooms to protect your assets.

With over 30 years experience designing physical security solutions for banks, cash in transit companies, ATM deployers, safe deposit centres and the largest retail companies, we are one of the few UK security companies that can offer the full Turnkey service in-house with our own R&D CAD design and manufacturing team, surveyors, dedicated project managers and fully trained installation engineers.

Need a higher graded vault room for cash and valuables storage? We have that covered with our popular Orthrus strongroom certified to the very latest LPS standard – LPS1175: Issue 8 and has achieved security rating F10/G5.

Our Cerberus Vaults and Doors are available independently tested and certified to EN1143-1 Grades 1 - 13.

- ATM Room Design and Manufacture
- Retro Fit Room Walling Panels
- Secure Roof Linings / Steel Linings
- Supply and Installation Servicing
- Safe Engineering and Openings
- ATM Room and Door Repairs
- Anchoring Systems
- Bollards
- Sentinel Smart Locks
- Cencon Locks supply, drill opens and Installations
- Key Management Systems
- Biometrics Locks
- Key Locks
- Security Doors
- Ballistic Doors
- Blast Proof Doors
- Barron Bars
- Window Grilles and cages
- Bar Sets
- Gates
- Vision Panels
- Ballistic Glazing
- Security Shutters.
- High Security Safes
- Bespoke Safes

GP-X

ATM Gas Protection

Benefits of GP-X

- Fastest Gas Detection Available
- Instant Alarm Activation
- Explosion Protection
- Fire Protection
- Indefinite Gas Attack Protection
- MOD Tested
- Approved by UK Banks
- Approved by ATM Manufacturers
- Proven under Attack
- Award winning ATM Safe System
- Quick Return on Investment



GP-X ATM system

Although gas raids on ATM's have taken place for over a decade, it wasn't until 2013 that such a burglary took place on British soil. Since then and following a global pattern, there have been more than 300 incidents reported.



Gas Attack Protection

GP-X

The GP-X ATM Gas Protection system has been developed as the very best solution to make your ATM-SAFE against explosions, fire and cash loss.

With our advanced gas detection and explosion control system, combined with UL approved fire protection systems the GP-X has proven itself to be the answer to the real life gas attacks.

Keep your ATM SAFE with the GP-X

GP-X has been proven to deliver unparalleled protection against the ATM gas attacks. Winner of IFSEC and FIREX combined fire and security product of the year 2015 and WINNER of the prestigious 2018 ATMIA Global Industry Security Award for ATM Physical Security Excellence.

Ask our team for your FREE GP-X trial

Using the right combination of inexpensive, easily available and legal explosive gases makes it relatively easy for thieves to explode the ATM and gain access to the at times, hundreds of thousands of pounds held inside.

No wonder then that high street banks and independent ATM companies were starting to be very concerned!

This sudden influx of crime caught the security industry by surprise with none of the traditional security methods proving to be effective.

However, fast off the mark, ATM Safe working with the UK's leading security and fire related companies combined their experience and resources to develop and test an effective gas explosion safe system.

Known as the GP-X ATM gas attack protection system it's the most advanced and fastest detection and prevention solution available.

Any potential explosion within an ATM is rapidly detected and prevented within seconds ensuring that a bank's ATM estate is kept safe against such gas attacks.

Low Cost
Maximum Protection
Fast Return On Investment

As UK experts designing physical security systems we work with Police forces, Scenes of crime officers and the Metropolitan Police Bomb Squad, helping with their investigations, understanding and training.

We have worked with Cardtronics and tested the GP-X system at a UK MOD testing grounds successfully. The GP-X has successfully saved the ATM estate millions of pounds in saved cash losses.

In combination with other Police operations we have successfully saved Barclays Bank from attacks and helped lead to the arrest of a gang targeting bank branch ATM's.

The GP-X has successfully stopped explosion and cash loss for HSBC Bank.

Lloyds Banking Group have deployed systems and seen a reduction in gas attacks.

Our GP-X was field tested by the Greek authorities and approved for the Banks to deploy in ATM's across Greece. We also conducted some development testing in Chile.

In support of our clients and the Police we have attended Crown Court as an expert witness in the gas attack field, which helped the Police put away a gang of 5 criminals who had stolen £1.2 million for combined prison sentences totalling 71 years!



Our GP-X Customers

Deployed by Cardtronics, NCR, HSBC Bank, Lloyds Banking Group, Barclays Bank, Permanent TSB across the UK, Ireland, Greece, Belgium and Denmark

Low Cost
Maximum Protection
Fast Return On Investment



It was apparent to us early on during the design, development and testing of our gas attack protection system that the current products marketed from Europe were fire suppression systems that were not capable of protecting against a real life ATM gas attack.

We also saw companies bring fire solutions to the UK table that were marketed and sold on theory and not actual testing. And other products that just tried to protect against a single blast.

This really worried us because it wasn't the cash loss that was the main concern, but the risk to life and the potential for fires to spread across buildings after the explosion.

This theory was eventually proven when a UK bank branch literally went up in flames.

We tested the fire suppression systems and proved they had no place as an explosive protection, but we saw the potential in them once we had taken control of the explosion, we could use the very best suppression system on the market as a secondary system to put out flames and smouldering rubber after an attack.

Once we had designed the system to control the explosion during exhaustive field explosive and fire testing, we then worked on perfecting flame detectors to deploy Stat-X only if a fire is detected within the safe.

All main components are fitted with magnets for speed of installation.

Alarm connections were soon added for instant Police notification and a safe control system so the GPX was set and un-set just by opening and closing the safe door in normal operation, meaning no staff interaction was required.

A series of unique gas sensors and control methods have been designed into the system that we would be happy to discuss with our clients.

The GPX will continue to protect once activated until it is reset during normal banking hours, when safe and the risk has lowered.

Before being put into practice, the GP-X system was successfully tested in front of Global banks and security companies and only after receiving total approval was the system then installed in ATM's across the country... It wasn't long before GP-X was called into action for real!



Safe Door Protection Pluslocks

Organised Criminal Gang Attacks

Most physical ATM crime is carried out by organised criminal gangs. They usually choose the ATM make and model that they have worked out how to open the safe door quickly and steal the cassettes full of cash. Historically they will steal an ATM and then do their research first and perfect the opening method.

One example of this was a gang who hit Wincor 1500 internal ATM's at motorway services and with a powered grinder cut below the Cencon lock and opened the safe stealing the cash within 3 minutes. They didn't care that the services was staffed at the time!

How To Protect and Disrupt The Criminal

The fast response to these attacks was for ATM SAFE to quickly produce a batch of Cencon ACP protection and install them at a high rate of knots across the country. A higher level of protection was then scheduled in to install our Live Pluslock re-locker to all the ATM so the grinder attack was no longer affective.

The visual ACP bought the ATM companies time and in combination with the Pluslocks the gang stopped attacking the ATM's saving our clients 100's of thousands of pounds per week.



ATM Safe Pluslocks

Also known as Re-lockers or ADK kit.

Re-locker mechanisms built into high security vault doors and safes have been used for centuries, they are intended to keep the door locked in a burglary attempt.

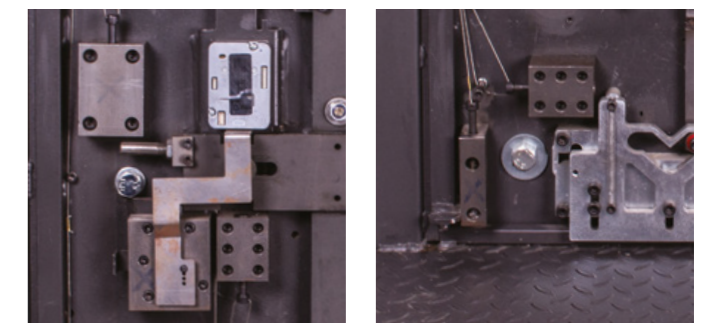
Most UL ATM's and lower level Cen L safes rely on the Cencon lock only for locking protection. The safe door can be easily compromised by drilling or cutting because it is generally a mild steel construction and has no internal re-locking devices.

We have designed a number of Pluslocks that can be installed to relock the safe door under various attacks. These attacks are usually drilling, grinding or using an oxy torch on the safe door to gain access.

At the heart of our re-locker system is our Live Pluslock which adds an additional live locking position within the safe that is operated when closing the Cencon lock.

We have installed 1000's of Pluslocks saving the industry millions of pounds over the years.

Every additional Pluslock installed, adds a higher level of protection



The live lock provides an instant mechanically driven hidden secondary lock position operated by using the Cencon lock.

Great protection against the horizontal grinder, oxy and drill attacks below the safe lock.

The Dead locks provides an extra locking position fired and fired when under attack providing additional protection to the live lock.

The Dead VCD's fire under attack and provide protection vertically to the top and bottom of the safe door (especially required when they try to cut the bolt strap out and cut down the door).



OTC Smart CIT Lock Sentinel

Sentinel – Custodia

The Custodia is a smart ready high security safe lock and key pad providing one-time code CIT function via QR code. The Sentinel keypad is an elegant and flat design with the option of an inclined keypad variant with battery compartment. All Sentinel locks are VdS and ECB-S approved with the class B lock also having A2P Certified protection against burglary. The perfect upgrade for all ATM estates.

Sentinel – Oculus

The Oculus has all the features of the Sentinel Custodia but takes the lock options to new levels by communicating with our PC software for configuration and administration of the lock system or via the TwinIP extension unit for integrating the lock system into the customer network for full monitoring of the ATM safe lock.

Sentinel – Imperium

The Imperium has all the available features of the Custodia and the Oculus with the additional control via our total lock control PC software to provide full access control and management of entry doors, security doors, access control, key access and the ATM safe locks.

The options are endless –
Please ask us for our expert consultation



Case Study

Burton Security were invited to participate in a tender process for the implementation of a new ATM electronic safe locking solution. After successfully exceeding the tender requirements, we were awarded the opportunity to undertake this rollout across the client's UK network of ATM's.

The project included the supply, installation and project management of circa 1,400 ATM Safe locks across a network of 650+ branches. Working closely with the client we designed a bespoke installation process and timetable suitable for the wide variety of ATM models and operational needs of the business. Throughout the project planning several client specific functionality requests were explored, developed, tested and implemented to ensure client satisfaction beyond the original scope.

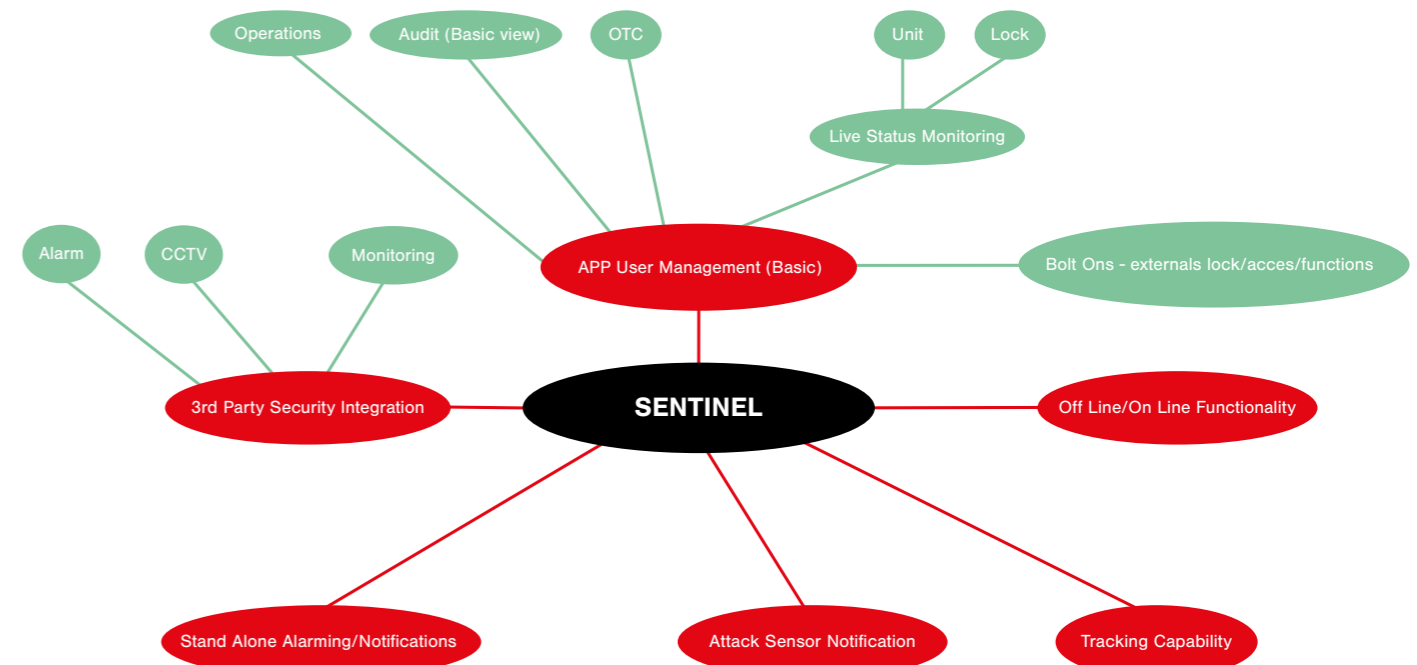
After the planning period was completed the physical installations began. Using our network of skilled and qualified safe engineers we successfully installed to each ATM, in both a live branch and factory environment.

Throughout the entire project, regular reviews were undertaken, and actions applied to ensure an efficient and cost-effective rollout. As a result of the detailed pre planning work and an efficient installation process, the project was successfully completed within the client's requested timeframe of 26 weeks, allowing them to reap the benefits of the developed solution as early as possible;



- Freed up branch colleague time, removing involvement in the ATM replenishment process
- Improved security and efficiencies in the management of staff access to the Locks
- Removal of mastercodes management and responsibility - passed to Burton Safes
- Enabling efficient estate wide changes with the use of configuration cards
- Implementation of One Time Code (OTC) functionality without the need for additional infrastructure or IT Involvement including:

- Auto generation of secure OTC for CIT Access
- Real Time lock status monitoring as part of the OTC functionality



ATM SAFE PRODUCT NAME

ATM

	LIVE RELOCKER	DEAD RELOCKER	VCD	DVCD	66 SERIES MK2 LIVE DEAD KIT	66 SERIES MK2 BOTTOM VCD KIT	ACP	E-FRAME	DISPENSER EXTERNAL 1500	DISPENSER INTERNAL 1500	DACP	ACW'S	STRONGARM WITH SHIELD	STRONGARM PLINTH	STD ATM PLINTH	HALO	GPX	1500 ADPK	P77 ADPK INC DACP	SUB TERRA
DIEBOLD 562 OPTIVA	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
HYOSUNG 1600	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO	YES
HYOSUNG 1800	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO	YES
NCR 5305 MCD UL	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO	YES
NCR EP 55 DAY SAFE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO	YES
NCR 5684 UL	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
NCR 5870 UL	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO	YES
NCR 5874	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	YES	NO	NO	YES
NCR 5877 REAR LOADER	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
NCR 5884 U	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
NCR 5884 JOHN TANN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
NCR 5885 UL	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
NCR 5886 UL	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
NCR 5887 UL	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
NCR 5887 CEN 1/L	YES	YES	YES	NO	NO	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
NCR 5887 CEN 3	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
NCR 6614 CEN 1/L	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO	YES
NCR 6614 UL	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO	YES
NCR 6622E CEN 1/L	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO	YES
NCR 6622E REAR LOADER	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
NCR 6625 CEN 3/4	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
NCR 6625 CEN 1/L	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
NCR 6626 CEN 1/L	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
NCR 6626 CEN 3/4	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
NCR 6627 CEN 1/L	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
NCR 6627 CEN 3/4	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
NCR 6628 CEN 1/L	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES	YES	NO	NO	NO	YES	NO	NO	YES
NCR 6634 CEN 1/L	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
NCR P71 POD	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	YES	NO	NO	YES
NCR P77 INT	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	YES	YES	YES	NO	NO	YES	YES	NO	YES	YES
NCR P77 EXT POD	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	YES	YES	YES	NO	NO	YES	YES	NO	YES	YES
WN 280 CEN 1/L	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO	YES
WN 285 CEN 1/L	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
WN 285 CEN 3/4	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
WN 1500 UL	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	NO	YES	YES	NO	NO	YES	YES	YES	NO	YES
WINCOR 1550 UL	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO	YES
WN 1500 UL EXT POD	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	NO	YES	YES	NO	NO	YES	YES	YES	NO	YES
WN 2050 UL	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
WN 2050 CEN 3/4	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	YES
WN 2150 UL	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
WN 2150 CEN 3/4	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
TRITON TIDEL	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	YES	NO	NO	YES
TRITON 1800	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	YES	NO	NO	YES



HALO – Case Study

Criminals drive a vehicle into the shop front to gain entry into the store. They then bring a large long wheelbase van and hook a chain to the van and to the internal ATM.

Our client had installed the ATM within our HALO system for maximum protection. The ATM was installed close to the shop door front.

The criminals made several attempts to pull the ATM out, driving off and trying to pull the ATM out over and over again. The strength of the HALO system was lifting the vehicle and throwing it to one side on each attempt until eventually the large chain snapped.

The criminals left unsuccessful and probably thinking what have we just encountered here!

CCTV Video footage is available.



Anchor Pull Out & Cutting Protection HALO

The HALO is designed to add complete protection and attack time delay for all internal ATM's

The HALO system is the crown jewels' when it comes to protecting internal lobby ATM's. During the design and production of the system we looked at ATM crime data, met with ATM security managers and also large retailers John Lewis, The Co-operative Group, Tesco, Asda, Morrisons and Aldi to name a few.

We inspected attacked ATM's, liaised with the Police and analysed the current trend of ATM attack MO's. The crime was varied with different organised gangs targeting different ATM's and stores with their own perfect way of breaching the safe to take the cassettes or by removing the ATM completely from the store.

Our aim was to design out crime by introducing protection into the HALO protection system to cover the lasso rope and chain attack, hydraulic lifters, crow barring, grinder cutting, oxy cutting, drilling, removing the ATM from the store, accessing the back of ATM and cutting an opening in the back to access cassettes and so on.

In addition to the HALO's unique ATM fixing footprint, back protection and side body armour the safe door can be protected with our Pluslocks and door armour protection can also be applied to the ATM safe door.

The Technology

The HALO is specifically designed for each internal ATM model and can be used with all popular makes of ATM from NCR, Triton, Hyosung and Diebold-Nixdorf for example.

The system is constructed from 12mm laser cut solid steel for the floor and back panels with folded steel construction on the sides filled with our own anti-cut composite fill and matrix system to create weight and protection against side and back cutting attacks.

The sides offer an additional 70mm of armour protection to the ATM and protects against drilling, grinding and oxy torch attacks.

The system is bolted and welded together for structural integrity with all ATM fixings concealed within the system. This means you need safe access to reach any floor and back fixings, so it cannot be compromised.

The weight of the HALO adds another 300+kg to the weight of the ATM and when the situation arise that the ATM cannot be bolted to a floor, this could be a good solution to the problem.

The solid steel back panel not only adds cutting protection, but has been designed with our unique to ATM SAFE wingspan that includes 2 widespread additional anchoring positions for the ATM and slip angles to make it very difficult to get good purchase when a chain is put around the ATM. If the ATM with HALO is installed up to the wall it will be impossible to put a chain or lasso around the ATM safe.

Should a vehicle ram the HALO from the side it would very likely climb the HALO and tip over the vehicle. The HALO wingspan also makes the system very difficult to fit inside a vehicle.

The HALO system itself is bolted to the ground via its 12mm solid steel base using 4 x M24 studs and resins perfected and used in our Strongarm anchoring systems.

Connecting the ATM inside the HALO had been designed to easily slide inside the HALO and then is connected from the inside of the safe with 2 x M16 bolts and washers in the floor, an M16 bolt on each safe side and 3 x M16 bolts into the rear.



Ram Raid Protection Strongarm HD

Criminal organisations

Organised criminals have continued to target ATM's by either pulling stand alone (lobby) ATM's out of the ground that are light weight, easy to move and located within retail stores, The usual MO's are by jacking them out, barring them out or attaching a strong rope or chain around the ATM, attaching the rope or chain to a vehicle and using the force of the vehicle to pull the ATM out of the ground and into the street so they can load it in another vehicle and drive off with the ATM filled with cash.

For the larger and usually much heavier TTW ATM's the criminals will generally steal a JCB lifter or telescopic handler to knock the ATM over and lift them out of the Bank or store location.

Strongarm systems

Our mission was to provide a cost effective solutions with the maximum anchoring protection to help banks and ATM companies keep your ATM safe against the current spate of pull out and ram raid attacks. You can then protect the cash within the machines and reduce the threat of any future attacks - reducing substantial damage to buildings and potential loss of revenue.

ATM SAFE has developed a number of solutions for the various ATM models and installation scenarios. The Strongarm HD is an Anchoring chain system with security shield bolted to the ATM and the ground. Perfect for internal ATM's and can be installed on TTW ATM's.

To protect the systems integrity a low cost innovative Strongarm HD shield is also available where required. The security shield fixings are secured from within the safe offering additional anti-tamper protection and integrity to the system, as well as providing H&S anti trip cover.

For the TTW ATM installations we recommend the Strongarm HD plinth that provides extra layers of protection combining the anchoring chain with the plinth design to reduce floor impact forces.

Our Subterra has been designed for external ATM installations where ATM bolting and anchoring is very poor. This system is designed to be concreted into the floor and has been used to protect a number of ATM's in Germany.

Strongarm Anchor

Solution for all ATM's

Innovative fabricated internal locking system housed within an impact resistant mounting block, installed with low centre of gravity fixings.

Strongarm chain link

Tested to and fully certificated 40 tonnes British load chain.

Floor fixing

Easy to install with 2 industry grade concrete floor mounting studs and specific floor bolting resins.

ATM fixing

New especially designed single bolt mounting specification boss with tested chain link flexible mounting coupling.

Strongarm Shield

Available with Strongarm security shield protection cover. Provides a low cost protection shield, providing an extra level of security and H&S to the system.

Compact design

Designed not to impose on critical ATM advertising and branding space, while still imposing a physical presence and protection. Can be painted to any RAL or graphic design can be added.



Strongarm Plinth

Solution for TTW ATM's

The STRONGARM Anchor Plinth is a heavy duty easy level adjustable plinth designed for ease of installation and adjustment.

Security

Includes a built in Strongarm HD Anchor within so it can mount to the underside of the ATM reducing space required for the ATM in the banking hall or store.

Floor fixing

The floor fixings used are 4 x M24 studs 210mm long 8.8 grade with M24 x 45mm washers and M24 nylock nuts.

ATM fixing

Each plinth will be made to exactly measure the ATM footprint. Designed, developed, tested and manufactured by ATM SAFE.

Construction

Laser cut, folded and re-enforced bottom plate with anchor chain welded into position. The chain loops through the steel supporting cross section plate and attached to the steel top plate. The ATM is bolted to the top plate and the anchor is bolted to the bottom of the ATM.

Testing

Our testing replicated the attack MO. For the attack we used a 4.5-ton Wacker Neuson TH522 Telehandler. The Strongarm anchor has passed previous testing using a 7.5-ton 4wd JCB, which was verified in Feb 2015 by Dr. J. L. Hill of DYNAMIQ Engineering.



Strongarm Subterra

The Subterra Strongarm anchoring system has been tested with our clients in attendance. We employed a professional rescue team to try and lift the ATM out of the ground.

Armed with Hooligan bars and hydraulic rescue tools (jaws of life) the team proceeded to attack the ATM and failed to lift the ATM. When attempting to lift the ATM with two hydraulic tools the Subterra continued to protect against crowbarring and jaws of life hydraulic tools.





ADPS Product Testing

For the attack test sessions we coupled up a heavy duty hook and chain to replicate the criminals attack MO.

During the attack session the ADPS system pulled the back axle from the test vehicle.



Door Pull Protection ADPS

Criminal organisations

The criminals break into the store while it is closed, usually in the early hours of the morning. They crow bar open the outer safe cabinet door and proceed to smash the dispenser chute off to give them a larger access hole for a hook.

They then force a large lifting hook into the ATM opening which is attached to a heavy duty chain and couple the other

end to a vehicle. The vehicle drives away at speed and pulls the safe door from the ATM leaving the cassettes exposed for them to steal and make a getaway. The criminals have targeted the Wincor 1500 lobby ATM and the external NCR P77 POD ATM.

This attack MO is a global problem for ATM deployers.

Wincor 1500 Solution

The ADPS for the Wincor 1500 ATM is installed behind the safe door as a fixed device with a locking drop in component within the ATM hood.

- Heavy duty steel fabricated internal boss system with built in vertical re-locker
- External drop in locking bolts assembly locked in place using the ATM keys
- Protects the key area where the hook is installed by reducing the forces to the safe door bolt works
- Operated by unlocking the ADPS system top mounting plate by accessing the ATM hood
- The ADPS is unlocked using the same ATM key

NCR P77 Solution

A multi-layered approach to these attacks was designed for the NCR P77 POD ATM.

The system includes:

- Two hinged locking anti door pull guards
- Two heavy duty hinged plates bolted to the safe body from inside the safe
- Integral welded in locking system on a keyed alike system
- CIT and Engineers can unlock and lock the system
- Internal anti hook plates
- Internal safe door bolt strap brace
- The front outer dispenser was fitted with an DACP (Dispenser Anti Cut Plate) to reduce and protect the cash opening from hooking.





 Pull Out & Cutting Protection
ACW's, ACP & E-Frame

ACW's

The ACW's have been designed to add an additional 60+ kg of weight each to the ATM. This helps especially in locations the ATM's cannot be bolted down or have poor fixings.

With 4 ACW's installed it will increase the ATM weight by over 240kg. Each ACW is fabricated by our ATM SAFE team and filled with our composite which also provides great protection against grinder/drill and Oxy attacks to the safe body.

ACW+

We now have a larger version of the standard ACW available to protect against the recent MO of using crow bars or hydraulic jacking on the leading edge of the safe door to break it open and steal the cassettes.

All ACW's are fabricated from steel by our team, filled with our composite materials with all fixings concealed by bolting the protection from the inside of the safe.



E-FRAME

The E-FRAME upgrade protects against many of the recent attacks by adding a 60mm steel and composite armoured barrier in key locations of the safe door.

This helps protect against full door cuts, Oxy attack And grinder attacks below the Cencon lock, as well as protecting the safe door and lock, it is also designed to protect re-locker locations.

Hand built and filled with our own attack resistant chemical composite mix and Steel Diamond Mesh by our ATM SAFE engineers.

CENCON ACP

The Cencon ACP has been designed as a fast deploy deterrent (no safe access required) and protection against the cutting and drill attacks below the Cencon lock.

Hand built and filled with our own attack resistant chemical composite mix and Steel Diamond Mesh by our ATM SAFE engineers.



CENCON L-ACP

The L-ACP can be used to protect more of the safe door and for larger ATM's.

We recommend adding a Pluslock inside the safe door, the ultimate relocking system for ATM's in critical attack areas.

Image shown with L-ACP and DACP





Dispenser Upgrade

Dual skin dispenser upgrade developed for the NCR 5877 POD ATM to stop easy access and crow bar attacks into the purge and top cassettes. Welded onto the safe door in the workshop. Our engineers upgrade this on a door rotation system to reduce ATM down time.

We usually install Pluslocks at the same time for ultimate safe door protection.

Specifically designed and installed on the NCR 5877 (P77) POD ATM's.

We can design bespoke solutions as requested.

Dispenser & Cash Trapping Protection

DACP, Dispenser & ATM Blocker

DACP – Dispenser Anti cut plate

The DACP is a steel fabrication welded and filled with our own attack resistant chemical composite mix, steel fillings and re-bar that is bolted from the inside of the ATM to make a secure tamper proof fixing.

The DACP is a useful long life replacement for the standard plastic cover, while also safe guarding against Oxy, drill and grinder attacks to the dispenser area of the safe door.

A common attack on these ATM's was to pry the outer plastic cover off, remove the dispenser door plate and now with the larger opening crow bar and smash down into the cassettes to steal the cash. This is another upgrade that has successfully protected and saved millions of pounds over the years.

The DACP is also a great off the shelf long life replacement for the plastic dispenser cover for the NCR 5877 or P77 POD as it's widely known.



ATM Blocker

We were approached by a US ATM deployer to design a cost effective solution that could be deployed quickly to protect ATM's from cash trapping and transaction reversal fraud attacks.

This was completed within a matter of weeks and the ATM estate was successfully protected.

Our design and innovation team are at our clients disposal to develop new solutions to protect against current and emerging threats.



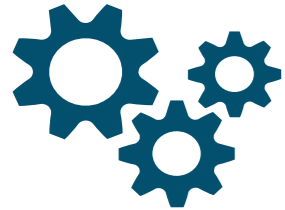


Bespoke Products

From a simple drawing on a napkin we can recreate your vision in a unique way using auto-cad to design your concept to using the latest 3D printing and rendering techniques.

All designs are manufactured to the highest quality and tested thoroughly before launch.

We offer complete project management and engineer training for all our national and international partners, this can be done in house or at our head office in the UK.



- ATM Pincam
- ATFS power control
- ESP GPS tracking and alarm system
- Custom ATM Security Solutions



Investing in the right people is important for all aspects of our business, all our staff are DBS checked and vetted, holding the correct certifications. Giving our customers the peace of mind knowing that all aspects of their projects are taken care of.

Using the latest field based technology all our work is monitored so we can keep our customers informed throughout the whole journey. We are a fully approved Master Locksmiths Association member.

We are proud to be an accredited Real Living Wage Employer



ATM RECOVERIES

We offer a 7 day emergency recovery service for our clients in the UK when an ATM has suffered an attack. Our specialist engineers can open safe doors, remove the ATM to our secure storage and make site safe to the public.

ASSET RECOVERY

As part of our recovery team we often meet CIT teams, the Police and open safes so the assets can be recovered urgently and removed from further risk of theft.

SAFE REPAIRS AND UPGRADES

We can repair most ATM's after a physical attack in our workshops. Damaged safe doors and safe bodies can be welded and repaired by our fabrication team, while also being upgraded with ATM SAFE security products, Smaller damage can be repaired and protected on site after criminal activity.

INSTALLATIONS, REMOVALS AND MOVES

ATM SAFE have been providing Installation, Moves & Changes (IMAC services) to ATM companies and the financial sector for many years. Our dedicated project managers ensure we offer the highest level of customer attention and service.



SAFE LOCK SUPPLY AND INSTALLATIONS

As an approved distributor of Kaba, LA Gard and INSYS safe locks we can deliver an exceptional design, supply and installation service using our own qualified field safe engineering team.

SERVICING

Our dedicated ATM service desk ensures all works are professionally carried out by using our own security engineers for all service works, lock fits and security product installations.



enquiries@burtonsecurity.com



ATMSAFE.CO.UK
+44 (0) 1484 663388

Your Assets in Safe hands

THE SURE DEFENCE

Physical Security Solutions

From the world's most advanced safe deposit centres in Hong Kong, to securing cash, bullion and valuables in banks, ATM's and retailers across Europe and the Middle East; the team at Burton Security have the experience to advise, design and deliver physical security solutions to protect you and your assets.

The High Security team have over 85 years' worth of security industry experience and are qualified in security design and consultancy. Dedicated account and project managers ensure an unrivalled customer experience.

Burton Security core principle is to ensure products are tested to the highest standards. Our ATM SAFE systems have a proven track record when meeting those standards.

We are proud to have tested products to LPCB standards and feature in RedBookLive.



Burton Security delivers
The Sure Defence



YOUR ASSETS IN SAFE HANDS



 **BURTON
SECURITY**

 **BURTON
SAFES**

 **ATM
SAFE**

 **SAFE &
VAULT**

THE SURE DEFENCE

www.atmsafe.co.uk | +44 (0) 1484 663388 | enquiries@burtonsecurity.com
ATM Safe, Brockholes Business Park, Rock Mill Road, Huddersfield, HD9 7BN, United Kingdom