



Removing the prize from the criminal; a new approach

A presentation by Clive Nation - CEO

Cennox are an ATM services company

- ATM Field Services
- ATM Parts & Re-manufacturing
- ATM Signage & Branding
- ATM Security

The Threats

What are the current ATM threats ?

Physical Attacks

- Attack on the Safe
- Explosive Attacks
- CIT Cash Theft

Card Data Fraud

- Cash Trapping
- Card Skimming & Eavesdropping
- Card Entrapment

Physical ATM Attacks

Attack on the Safe

Physical ATM Attacks

The Traditional Break-in

Drilling of the safe

- This is a targeted drilling to the side of the safe enabling the thief to destroy the lock.

Cutting of the safe

- Grinder Attacks
- Acetylene Torch Attacks



Physical ATM Attacks

The Smash & Grab (Ram Raid)

- The removal of the ATM with a **JCB** or similar vehicle
- A dangerous and hugely destructive activity
- Losses include those of the ATM, the cost of infrastructure damage and loss of trading during renovations



Images courtesy of
Daily Mail Online, Telegraph Online, Manchester Evening News

Exploding ATMs

- Gas attacks are on the rise across Europe, including the heaviest in the Netherlands, UK, Ireland, Germany, & Italy.
- 21 recorded attacks in London in 2014 compared to just 1 in 2013
- The idea is simple – blow up the ATM by flooding the machine with an explosive cocktail of gases then remotely detonating to gain access to the cash cassettes
- Are all gas attacks successful?



Exploding ATMs

The Impact

- It is hugely destructive to both the machine and the infrastructure around the ATM, the cash is often also destroyed in any fire.
- Dangerous – to both the criminal and also anyone passing
- Overall losses can be 10 x that of the cash
- In a well executed explosion, the cassettes remain intact which means bonding is still relevant



Cash in Transit Attacks

Cash Robberies

Cash in Transit

Pavement & Vehicle Attacks

- The movement of cash always carries risk
- The safety of security staff and members of the public must remain paramount
- The percentage of reward is still in the favour of the criminal
- ***Remove the Prize – Remove the Crime***



Images courtesy of
Daily Mail Online, Manchester Online

Physical Attacks The Traditional Solution...

The Traditional Solution

Cash Cassette Theft – Ink Dye

- Ink Dye solutions have traditionally been the method of “deterrent” around the world
- Ink Dye products demonstrate different levels of success on activation and often create collateral damage
- Sadly, in some circumstances the notes can still be used even after spoiling and many remain in circulation.
- Ink is a great product but is there another way?



The New Approach...

Completely Remove The Prize!

The New Solution

OUR APPROACH

Remove the Prize by Bonding the Notes

- Cennox use a patented delivery mechanism which introduces a bonding agent instead of ink in our **CSD-ARCIS** Cash Spoiling Device.
- When activated, the notes are fused together along **one half** of the length, the other half remains free to flick between notes to reveal identity
- Ensures the notes are rendered completely useless



Cash Cassette Theft – Bonded Notes

- Central banks are showing great interest in the 'Bonded System' as it removes the notes from circulation. These notes can still be counted, authenticated and are safe to handle.
- Suitable for Cotton, Paper and Polymer Notes
- ***Remove the prize – Remove the crime***

The Solutions

Global 'Bonding Agent' Manufacturer

After 3 years R&D with our partners, we have the global exclusivity for the bonding agent and associated chemistry's for use in this sector.

We also have obtained the exclusive global rights for the use of DNA marking within the bonding agent. Our partner for this is Applied DNA Sciences.



The Solution

How Does it Work

- There is no need to purchase new cassettes as the ARCSIS device is housed entirely within the existing cassette lid and there is no loss of space for cash.
- The discharge mechanism is activated by a multi classification wireless connection to the clients existing trigger preferences
- Unlike INK the CSD only uses 110ml of bonding agent so there is no overspill into the ATM or carry case
- Bonding takes place within 60 seconds and is solid in 2mins



Is it Safe?

YES

- Less offensive than household cleaners
- Classified as water soluble and suitable for landfill pre-activation
- Data Sheet No 1970/2006 – ISO 11014-1
- Council Directive 67/548/EEC
- Commission Directive 1999/45/EC
- Not classified as Dangerous Goods for transport

Remove the Prize Remove the Crime.....

THANK YOU