

#### Cennox

Evaluating Risk at your ATM

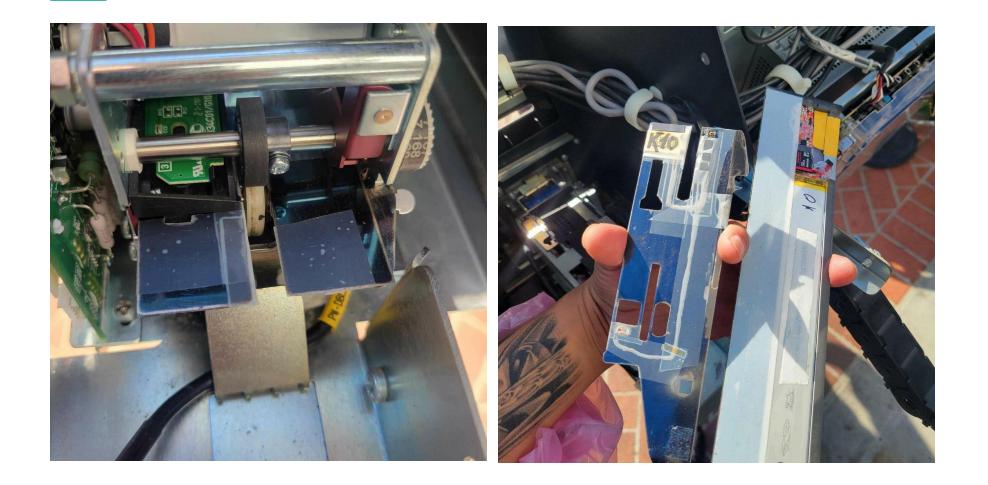
How a review of your ATMs could protect your business, customers, bottom-line, and brand.



Just because you can't see it, doesn't mean it isn't there.

Facilities. Security. Technology

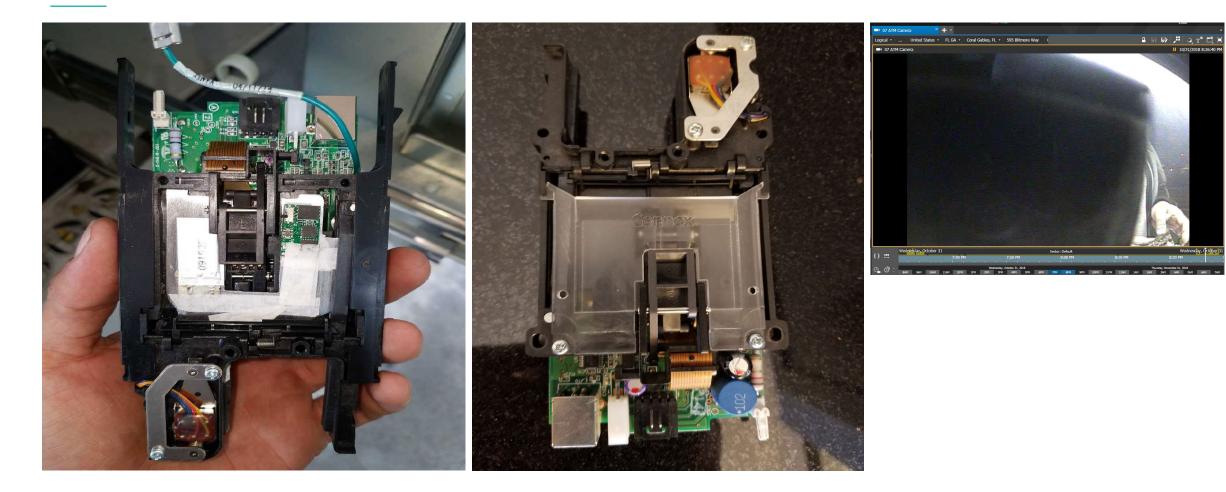
www.cennox.com | info@cennox.com









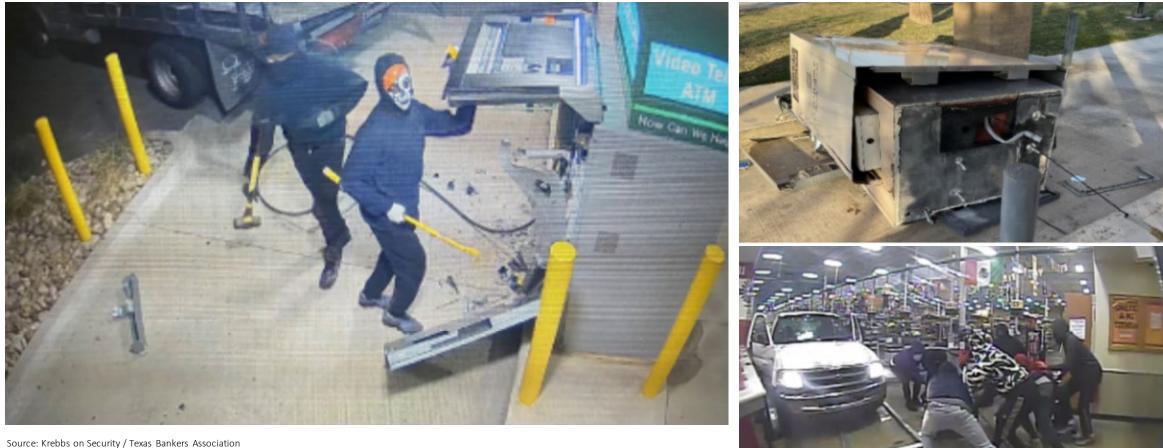








Just because you can't see it, doesn't mean it isn't there.



Facilities. Security. Technology.

www.cennox.com | info@cennox.com

# ATM crime isn't static

And organized criminals never stop

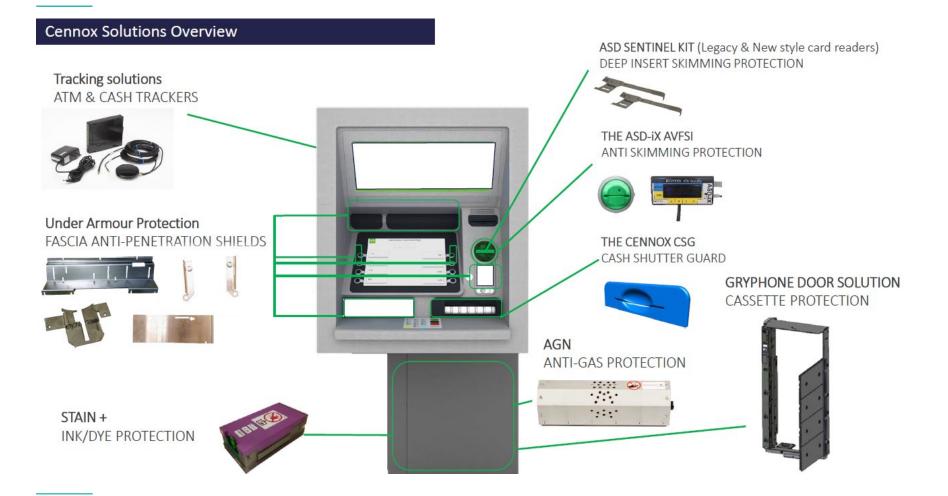
www.cennox.com info@cennox.com

Facilities. Security. Technology

© Cennox 2024

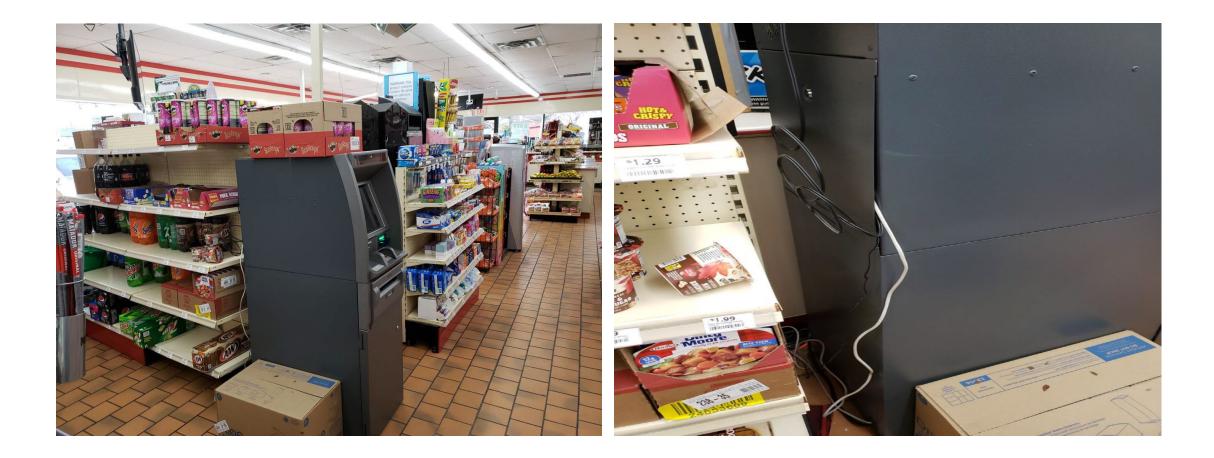
#### ATM crime isn't static, or stupid!

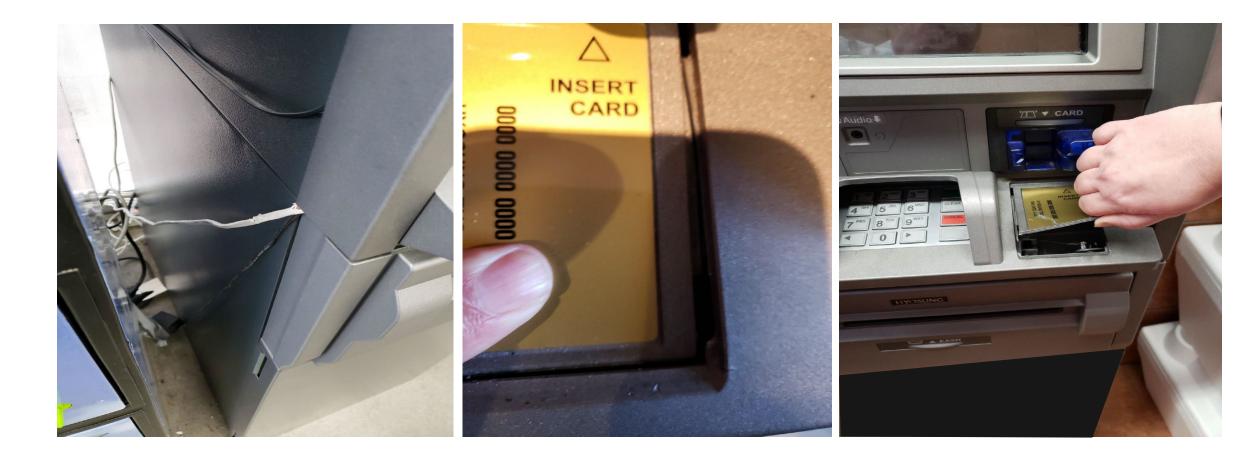
Our intelligence is pulled from a local and global network of incidents and responses!

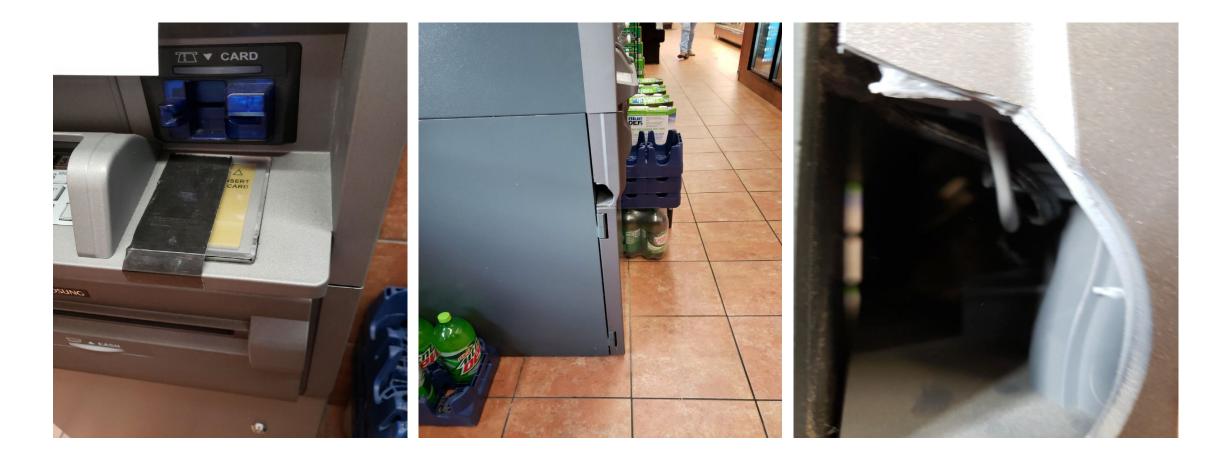


Too often, it is a wakeup, or close call moment.









									Body Armor -	Bollard	Security	Surveill nce Camer		
			Zip		ATM		Assess	Hook and Chain	Security	Protectio	Bolts/Plate	Assem	e Safe	Suggested Security
Street	City	State	Code	ATM Placement	Lighting	Alarm and Siren	Location	Risk	Plates			nt	Level	Products
				PASS	PASS	NEEDED	PASS	PASS	PASS	FAIL	NEEDED	PASS	PASS	ATM ARMOR - ALARM
				PASS	PASS	NEEDED	PASS	PASS	PASS	FAIL	NEEDED	PASS	PASS	ATM ARMOR - ALARM
				FAIL CLOSE TO DOOR	PASS	NEEDED	PASS	FAIL	PASS	FAIL	NEEDED	PASS	PASS	ATM ARMOR - ALARM
				FAIL EXPOSED WIRES	PASS	NEEDED	PASS	PASS	PASS	FAIL	NEEDED	PASS	PASS	ATM ARMOR - ALARM
				FAIL FASCIA ATTACK	PASS	NEEDED	PASS	FAIL	PASS	PASS	NEEDED	PASS	PASS	ATM ARMOR - ALARM
				FAIL FASCIA ATTACK	PASS	NEEDED	PASS	FAIL	PASS	PASS	NEEDED	PASS	PASS	ATM ARMOR - ALARM
				FAIL EXPOSED WIRES	PASS	NEEDED	PASS	PASS	PASS	PASS	NEEDED	PASS	PASS	ATM ARMOR - ALARM
				FAIL FASICA ATTACK	PASS	NEEDED	PASS	FAIL	PASS	PASS	NEEDED	PASS	PASS	ATM ARMOR - ALARM
				PASS	PASS	NEEDED	PASS	PASS	PASS	PASS	NEEDED	PASS	PASS	ATM ARMOR - ALARM
				PASS	PASS	NEEDED	PASS	PASS	PASS	PASS	NEEDED	PASS	PASS	ATM ARMOR - ALARM

Too often, our survey is a wakeup call that you have been compromised.

		Asset / Cu	stomer I	nformation	
Asset ID: Old Asset ID:		CNX Site ID:	Custom	er Contract:	Last Review Status N/A
View History	View History	View History			Add New Review
Site Name:		Locaton: C	OUTSIDE	Appt Required:	Facility Lighting on IC3 Timer: N/A
Address:					
		Premise:		0	Surround Prod 1:
Address 2:	Branch Nu	mber:	Contact Name:	Surround Prod 2:	
Land Mark:		Cost Cente	er:	Access Type:	Surround Prod 3:

Land Mark:	Cost Center:	Access Type:	Surround Prod 3:
Intersection:	Manufacturer:	Access Days:	Live Date: 12/23/2016
County: JOHNSON	Model Type:	Avail 24hrs:	Frequency: M
MSA:	Serial Number:	Number of ATMS: 0	Last Inspection Date: 09/07/2018
Site Description:	Platform:	Monitor:	Next Inspection Date: 11/2018
Program Name:	FR Load:	Card Type:	Route: 160, Zone: 30
Branding:	Client Site/Property ID:	Client Facility ID:	Client Branch/Business Unit/Manhattan ID:
Other Associated Assets:			11 8

#### Work Order Information

CNX Work Order #: Client Work 2835352	order #:	Do Not Visit Before: 10/01/2018 @ 12:00 A	M	Scheduled Date: 10/13/2018 @ 11:59 PM					
Additional Services Requested:									
Service:									
	Ass	et Information Verification							
Approach Type: DRIVE UP	Databa	se Information Correct: Yes	Ves	tibule: No					
Marketing Product: BackPanel	Model 1	Type:	Elec	Electrical Inspection Candidate:					
Surround Manufacturer:	Surrou	ind Model:		Trash Can: N/A					
Lock Inspection:	ck Inspection: Lock In			nspection Comments:					
Fascia Lights Working:	Surrou	nd Lights Working:	Win	Wing Lights Working:					
Is there a check desk on site:	Does t	he audio jack work:	Did	Did you call ANS:					
	Wo	rk Order Actions / Ratings							
Check in at Site: Yes		Fascia Paint Quality: Fair		Overall Condition: Fair					
Completed Detail and Cleaning: 1	Surround Paint Quality:		Stainless Steel Quality:						
Removed Surrounding Trash: Ye	Cabinet Paint Quality: Fair								
Refilled Deposit Envelopes: Yes		Topper Paint Quality: Fair							
		Kiosk Paint Quality:							

Bollard Paint Quality: Fair

				Asset Parts					
Deposit Cutoff Time: Accepts Deposits:		Surcharge Amount: Camera:		High Risk Hours: Voice ATM on Site	e: N	Languages: Voice Guidance:	Multi-Check: Deposit Image:		
Media Icons:									
STATUS	QTY US	ED	PART TYPE	ASSET QTY PART NUMBER - DESCRIPTION					
			Work Orde	er Hardware / Co	mpon	ents			
HAI	RDWARE /	OMPO	DNENT TYPE	STATUS	сом	MENTS DAT	ETTIME ADDED		
			v	ork Order Photo	8				
			177		-				

Workorder Photos ( Include Photos || Include Summary PDP Include Full Photo PDF) Include Full Photo PDF)

	Date Started: 10/09/2018 @ 02:21 PM
Resolution Comments:	Date Completed: 10/09/2018 @ 02:35 PM
Other Comments:	Date Uploaded: 10/09/2018 @ 02:35 PM

Work Order Tasks										
TASK	COMPLETED	QTY	TRIP DATE							
	Yes	1	10/09/2018							

Name: Compliance Checklist (version 9292014 - 09/29/2014) / Status: Completed

Refurbishment Recommended: No

Too often, our survey is a wakeup call that you have been compromised.

Check ATM for skimming devices and skimming cameras. ATM HELP DESK PHONE NUMBER
Plastic overlays in card reader
Scratch marks around card receiver indicating the possible use of pliers or screwdrivers on the card receiver
Extra wires displaying from ATM
Adhesive tape marks indicating foreign objects placed on the device
Undue and suspicious scratches on ATM
Disclosure in ATM screens
Appropriate lighting around ATM
light bulbs
Cameras
Nearby security cameras that can observe PINPAD

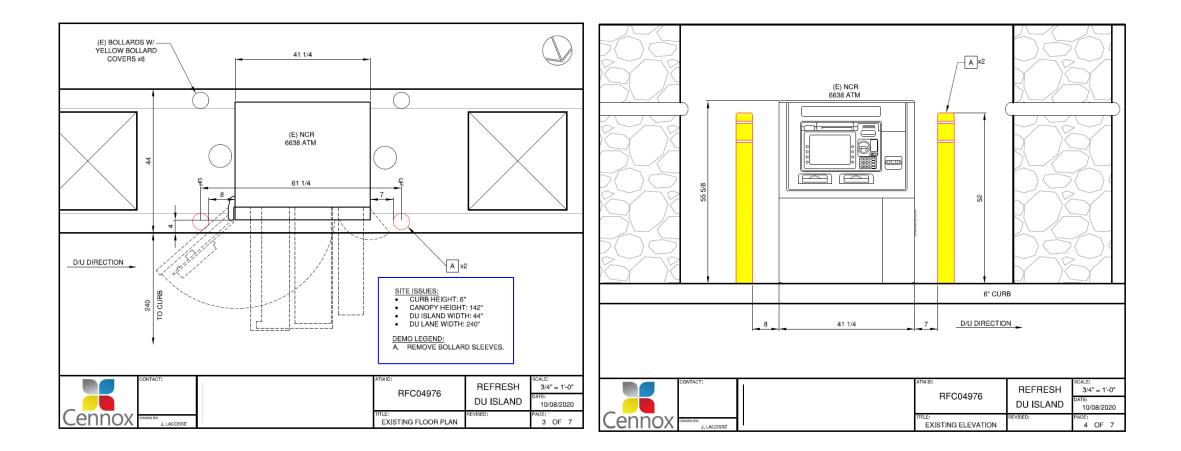
Too often, our survey is a wakeup call that you have been compromised.

<b>P</b>													
CNX Work Order	ASSETID (BEN)	CLIENT WORK ORDER	SERVIC E TYPE	SERVIC E STATUS	SITE NAME	ADDRESS	CITY	ST	ZIP	DO NOT VISIT BEFORE	DO NOT VISIT AFTER	DATE SCHE D	DATE COMPL
<u>4324249</u>				Approved			TUCSON	AZ	85750	12/01/22	01/02/23	12/28/2 2	12/23/22
<u>4326447</u>				Approved			TUCSON	AZ	85750	12/01/22	01/02/23	12/28/2 2	12/23/22
<u>4324248</u>				Approved			TUCSON	AZ	85750	12/01/22	01/02/23	12/28/2 2	12/23/22
<u>4026754</u>				Approved			TUCSON	AZ	85750	12/01/21	12/23/21	12/18/2 1	12/06/21
<u>4026755</u>				Approved			TUCSON	AZ	85750	12/01/21	12/23/21	12/18/2 1	12/06/21

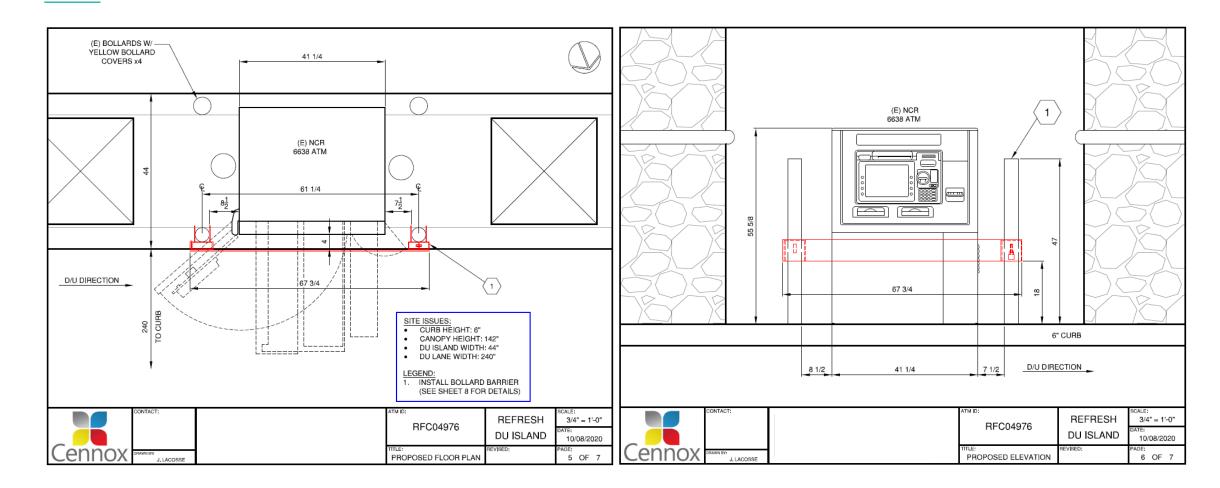
Showing 1 to 5 of 5 entries

www.cennox.com | info@cennox.com





Too often, our survey is a wakeup call that you have been compromised.



www.cennox.com | info@cennox.com

Facilities. Security. Technology.

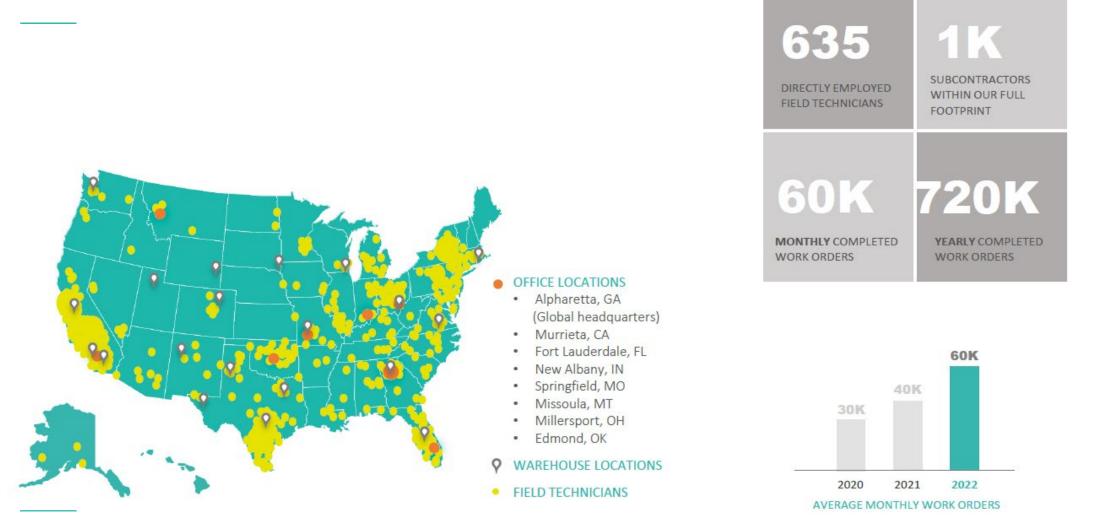
# How we add value to our ATM customers

This is what we do and they are why we do it!

Facilities. Security. Technology

### This is why our customers rely on us

Because this is what we do, and they are why we do it!



#### This is why our customers rely on us

Because this is what we do, and they are why we do it!

**PRODUCTS & SOLUTIONS** 

- + Deep insert skimming protection
- + Anti skimming protection
- + Black box protection
- + Anti ram-raid plinths
- + Locks and anchors
- + Ink & glue solutions
- + Smoke protection
- + Covert asset tracking
- + Anti gas solutions
- + Device tracking
- + Alarm solutions
- + Security barriers



www.cennox.com | info@cennox.com

#### This is why our customers rely on us

Because this is what we do, and they are why we do it!

#### **SECURITY SOLUTIONS**

ATM Security Solutions Asset Protection Services & Installation In-House Security Manufacturing CCTV Installation & Maintenance Access Control Systems Enterprise Video Management Physical Security Solutions Alarm Services

#### **SERVICE DELIVERY**

First line / Second line Maintenance Installation Services Cleaning & Disinfecting Services Logistics -Storage & Site Delivery Professional Services Crisis Response & Site Repair In-House Help Desk Support Surveys & Inspections PCI & Regulatory Compliance

#### **TRANSFORMATION PROJECTS**

Construction Project Management Signage & Branding Custom Signage Fit-Out Service Brand Management EV Charging Solutions

#### HARDWARE SOLUTIONS

Self-Service & Cash Recycling Technology Safes and Smart Safes Equipment Procurement Multi-Vendor Technology & Maintenance Refurbished Parts & Hardware Parts Management Storage & Brokerage

## Thank you

Any questions?

www.cennox.com | info@cennox.com

Facilities. Security. Technology

© Cennox 2024





#### Lighting for ATM Safety: State Mandates & Industry Best Practices

Eric M. Hansel CLEP MIES President Expert Lighting Group



#### Expert Lighting Group

#### About me...

- Over 30 years commercial lighting
- Founded Expert Lighting Group in 2014
- Member Illuminating Engineering Society

- Certified Lighting Efficiencv Professional
- University of Michigan (NATIONAL CHAMPIONS) graduate







#### Today's Presentation

>ATMs are safer with proper lighting

- Characteristics of LED lighting
- State Statutes
- Advances in lighting technology
- Your Perfect Scenario



#### ATM Trends

➢ 40% of people in the U.S. utilize an ATM 8 to 10 times per month

> The average ATM is used 300 times per month

>ATM industry will grow tenfold in four years

# Expert Lighting Group

#### ATM Crime Statistics: United States

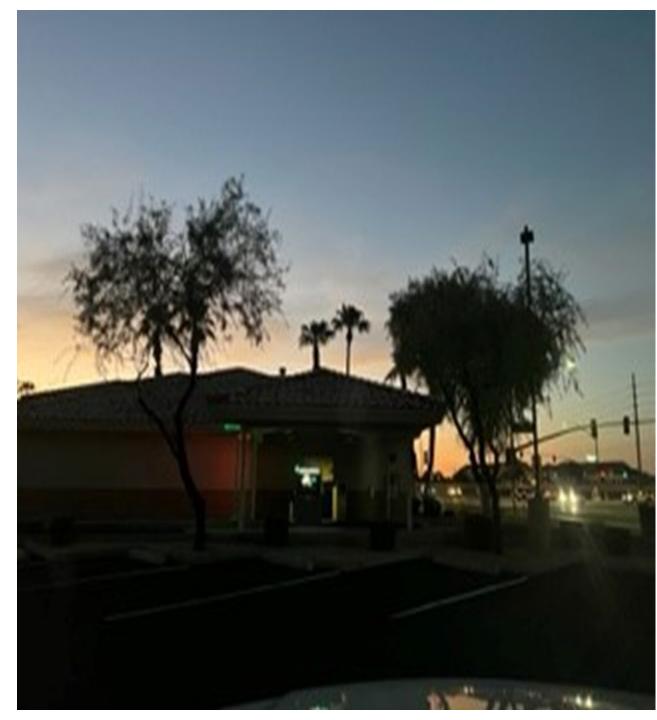
- The ATM Industry Association reports that overall ATM attacks rose 58% from 2018 to 2019
- FBI's bank crime statistics reports a 600% increase in ATM crimes in the United States from 2019 to 2021:
  - Physical attacks
  - Card skimming devices
  - Robberies
- The Bank Administration Institute reveals roughly 40% of ATMrelated crimes happen between 7:00 p.m. and midnight



#### Report: ATM Safety and Security Recommendations

American Bankers Association special precaution:

"If the lights at the ATM are not working don't use it."











#### Non-LED



# Expert Lighting Group

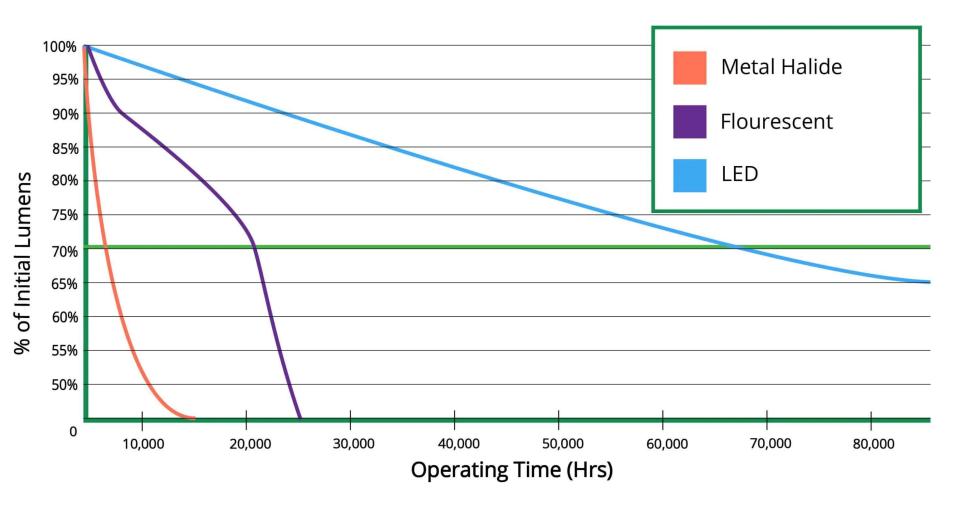
# LED Light Fixture Characteristics

Slowly loses light output over a long period of time

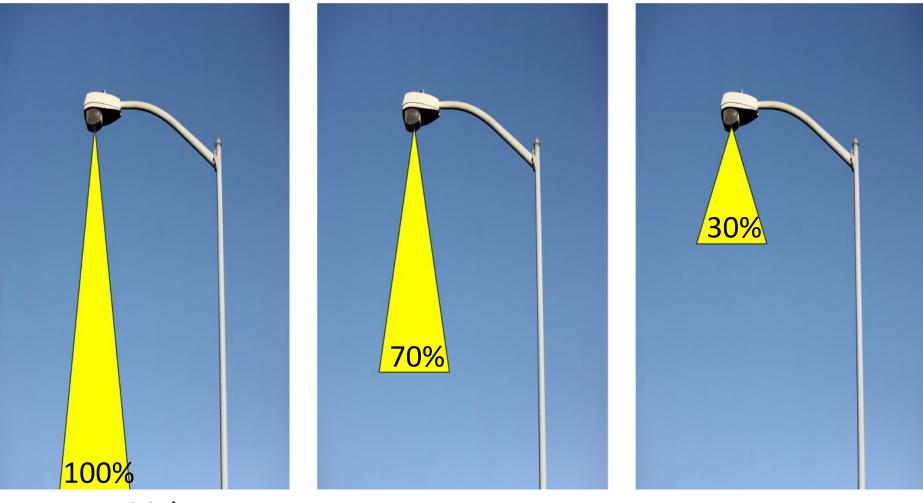
- > Color shift dramatically as it ages or overheats
- Major differences in performance will lose 30% of it's initial light output at:
  - 100,000 burn hours (best-in-class)
  - 50,000 burn hours (average)
  - 25,000 burn hours (poor quality)



# Expert Lighting Group

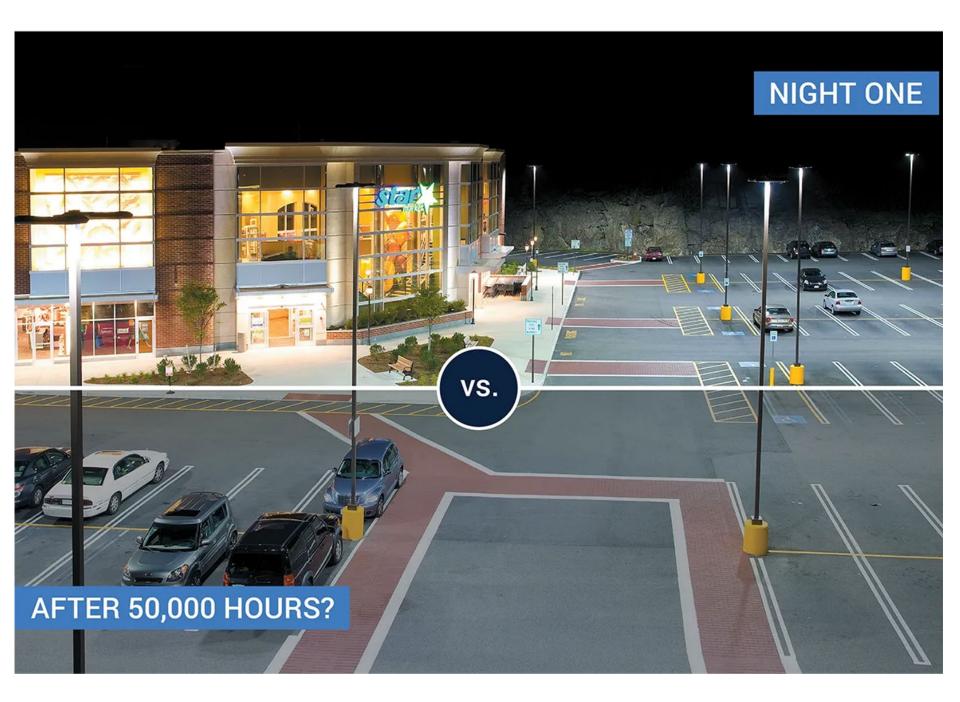


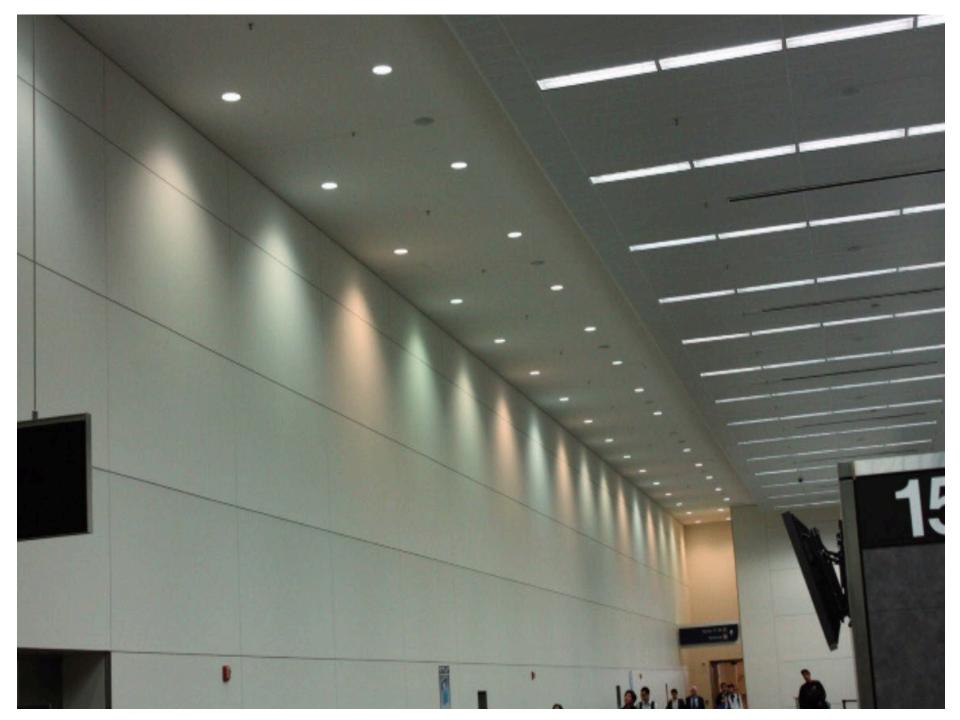
# Lumen Depreciation



Initial

50,000 Hours Light Output 60,000 Hours









Arizona





Florida

# Expert Lighting Group

# State Statutes

- Currently, only 22 states have laws on the books
- Varying statutes by state:
  - New York requires light level verification 2x per calendar year
  - Florida requires landscaping not to exceed specific heights, in addition to specific ATM light levels
  - California requires 2x more foot candles at the face of ATM than New York
  - Michigan, Indiana, and Wisconsin, for example, have NO state statute for ATM light levels
- As ATM crime upticks, it is important to put pressure on all states to adopt requirements

# Expert Lighting Group

#### 2022 New Jersey Revised Statutes Title 17 - Corporations and Institutions for Finance and Insurance Section 17:16K-10 - Minimum lighting requirements

#### Universal Citation: NJ Rev Stat § 17:16K-10 (2022)

#### 17:16K-10. Minimum lighting requirements

4. Each operator and any person or entity controlling an access area or defined parking area in operation after the effective date of this act shall provide:

a. A minimum of 10 candlefoot power at the face of an unenclosed automated teller machine and extending in an unobstructed direction outward five feet.

b. A minimum of two candlefoot power within 50 feet in all unobstructed directions from the face of the automated teller machine or the entrance of an automated teller machine facility. In the event any such automated teller machine or automated teller machine facility is located within 10 feet of the corner of the building in which it is located and the automated teller machine or automated teller machine facility is generally accessible from the adjacent side of such building, there shall be a minimum of two candlefoot power along the first 40 unobstructed feet of the adjacent side of the building, measured from the corner.

c. A minimum of two candlefoot power in that portion of the defined parking area within 60 feet of an automated teller machine or the entrance to an automated teller machine facility.

d. With respect to the interior of an automated teller machine facility, sufficient lighting to permit a person entering the facility to readily and easily see all persons occupying the facility, and to permit a person inside the facility to readily and easily see all persons entering the facility.

L.1995,c.117,s.4.



# States Without Statutes

Follow lighting industry best practices

- Illuminating Engineering Society (IES) Handbook
- Occupational Safety and Health Administration (OSHA) Guidelines
- Local city or county ordinances
- Company created standards





# Expert Lighting Group

**Concerns for Financial Institutions** 

Exterior lights are OFF when employees arrive (8:30am) and leave (5:30pm)

Facility personnel are typically responsible for multiple branches and may not regularly check exterior lighting



# Advances in Lighting Technology

Cloud-based systems allow for monitoring of exterior and interior lighting

Daily / Weekly / Monthly / Annual reporting available remotely



# Advances in Lighting Technology

Lumen adjustable light fixtures

Color temperature adjustable light fixtures

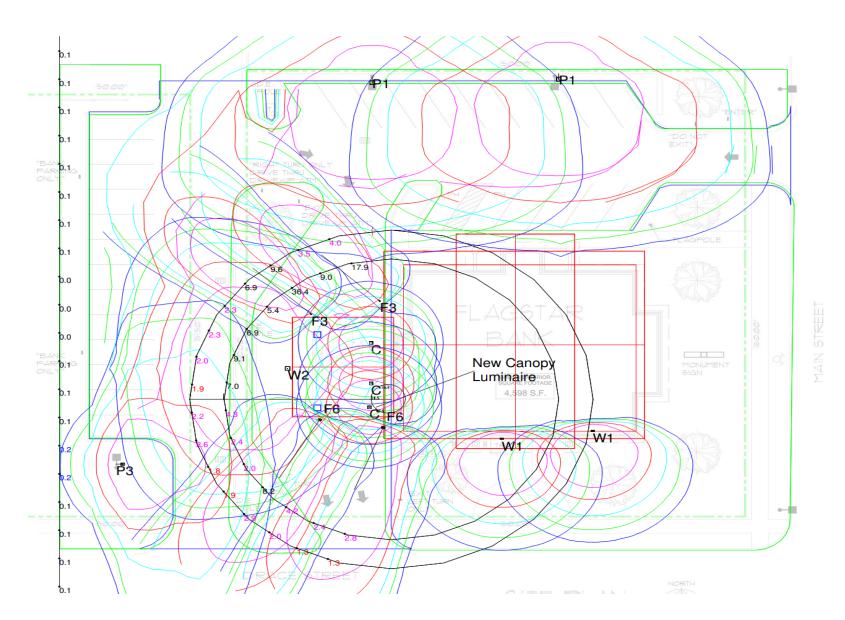
10+ year luminaire warranty covering lumen depreciation and color shift



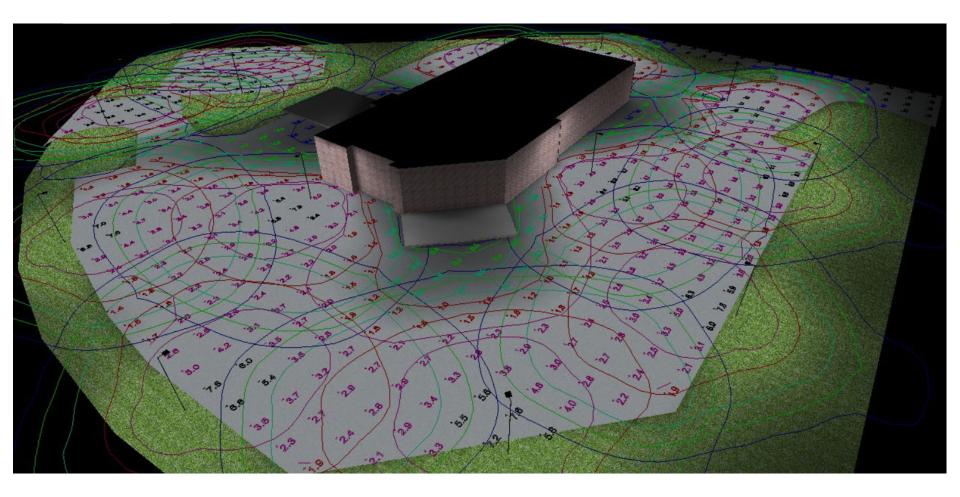
# Your Perfect Scenario

Complete a computer-generated lighting layout

# Sample Layout with Foot Candles



# Sample Layout with Foot Candles





# Your Perfect Scenario

Identify and only specify quality luminaires

- Strong overall warranty
- Lumen depreciation warranty
- Color shift warranty



# Your Perfect Scenario

Remote monitoring and reporting

#### ► Regular light level audits

Follow state regulations and lighting industry best practices

# Questions?

If you think it's expensive to hire a professional...



Wait until you hire an amateur.





# Thank you

## Eric M. Hansel CLEP MIES President

eric@expertlightinggroup.com

888-858-6367 expertlightinggroup.com



# Workshop 2: ATM Security-Trends, Tactics & Strategy

Brett Fenoglio, Supervisory Special Agent, FBI Las Vegas





#### Workshop 2: ATM Security: Trends, Tactics & Strategy

- Brad Moody EVP, Operations, Lowers Risk Group
- Brett Fenoglio Supervisory Special Agent, Federal Bureau of Investigation
- Eric Hansel President, Expert Lighting Group
- Jon Groussman President, Lowers Risk Group
- Michael Negley National Account Executive- SME, Cennox, Inc.



#### Human Capital Risks Commonly Stem From One or More of These 5 Critical Areas



#### **Culprits of Complacency**



#### **Social Engineering Methods**

#### Mediums/Methods of Attack Include:



#### **Next Steps to Get Started**

- Update policies and procedures
- Employee & vendor education and awareness programs
- Acceptable use agreements (signed/dated)
- Targeted assessments focused specifically on the top 2 digital assets



#### Turnover: A Costly Risk





**Direct Costs** 

- Separation
- Temporary Staffing
- Replacement
- Training



- Lost Productivity
- Coping with Vacancy
- Learning Curve of New Employee
- Reduce Morale
- Lost Clients
- Lost Knowledge



Companies typically pay between 25% and 250% of an employee's annual salary to replace that employee.



#### **Occupational Fraud**





Types

- Corruption
- Asset Misappropriation
- Financial Statement Fraud



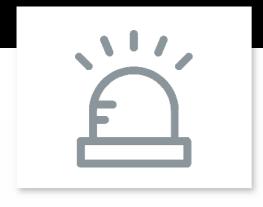
- Management Costs
- Brand
- Staff Morale
- External Business Relations
- Regulator Relationships
- Share Value



Companies lose 5% of top-line revenue to fraud every year.



#### **Catastrophic Events**



The consequences of large failures can impose financial, reputational, loyalty, and other brand-related costs that will persist for a very long time.

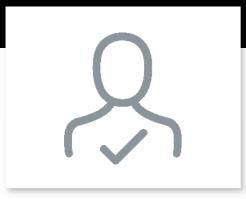
- Active Assailant Incidents
- Major Data Breaches
- Armed Robberies
- Kidnappings
- Workplace Violence
- Etc.



Every employer must not only prepare, but anticipate each potential catastrophic workplace event, before it occurs.



### **Negligent Hiring/Retention**





Employers lose 75-80% of all negligent hiring claims.



It's about what you knew or SHOULD HAVE KNOWN.



Did you learn from the Great Resignation?



Employers bear the legal responsibility to exercise reasonable due diligence, ensuring they do not pose a foreseeable risk of harm to others within the scope of their employment.



#### Legal Implications





How to determine "Reasonable" security measures



**Negligent Security Claims** 



**Negligent Security Liability** 



**Customer Security Liability** 



# Questions & Wrap-Up

