



Preventing a Tragedy

The Question isn't Will it Happen? It's WHEN!

Securing Your Vehicles and Keeping Riders, Drivers and the Public Safe

AGENDA

- A Long History of Stolen Vehicles
- Today's concerns
- Securing Your Vehicles – What to Consider
- What technology you should be considering to react to emergencies that occur.



Tom Smith

Strategic Account
Manager.
Clever Devices

Unidentified man took a 20-passenger bus from a White Plains garage as it awaited repair. ***Drove 7-miles at break neck speed.*** Bus found 2 hours later parked on the side of the road

1943

White
Plains
NY

New
York
City

22 year old man stole a bus from LA Transit authority while its driver was using the bathroom. Later stated ***"I was in a hurry to get someplace"***

1959

Los
Angeles

Salisbury,
Maryland

A 26 year old stole a NYC Transit bus for an early morning joy ride. But he ***unwittingly tripped an emergency switch that flashed a message on the bus' destination sign that said "CALL POLICE!"***

1987

Queens,
NY

Large SE
City

2008

18-year-old obsessed with buses since he was a child, wore an official uniform when he stole buses -3 different times and ***picked up and dropped off passengers for between 4 and 6 hours and nobody noticed***

1948

In an attempt to make some "fast cash" someone stole an 8th Ave. bus and ***drove it for 5 hours collecting fares.*** Paid no attention to red lights and eventually abandoned the bus, stealing the \$15 in fares

1979

An unidentified person swiped a bus from the agency's parking lot after finding it unlocked. ***Drove 2 miles before crashing into a chicken coop*** and, not knowing how to go in reverse, jumping out and running away

20-year-old *“aspiring bus driver”* stole an empty bus from terminal and drove it to his neighborhood before being arrested 2 blocks from his home

2014

Major NE City

Large Canadian City

Police were tipped off to a stolen bus when *someone who knew the thief called them and identified him*. He parked it near his home which made it easy for police to arrest him a few hours later

2017

Large Canadian City

South Pacific

1980-2018

Major NE City

2016

Man charged with stealing transit bus and driving it through the south end of the city. *Driver was on a bathroom break and the vehicle was unoccupied*. He said he “wanted to take a ride”

2017

Man stole a bus from maintenance area of depot. It *went unnoticed for over 6 hours* before crew realized it was missing. Agency admitted to lax security at the gates of the garage

Darrius McCollum – a lover of buses and trains - has been *arrested 27 times for stealing buses and trains*. McCollum suffers from Asperger syndrome and is said to have memorized the transit system. He took a plea bargain and in 2015 was sent to a psychiatric institution for an “indefinite” period of time.

**WHAT DO ALL THESE CASES HAVE IN
COMMON?**

**While illegal, in all cases the intent
wasn't to specifically cause harm.**

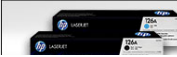
BUT WHAT IF IT WAS?

Disgruntled worker killed nurse before fatally shooting self: cops

By Associated Press

March 15, 2018 | 6:55pm

STATEMENT



Always Choose Original HP Toner
Starting at \$51.99

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CRIME 08/24/2017 01:42 pm ET | Updated Aug 24, 2017

The Washington Post
Democracy Dies in Darkness

ers and himself
air shop

Em
COU

Post Nation

'Disgruntled' ex-employee fatally shot five at Orlando business, then killed himself, police say

FEAT

identify the victim. "This was not an act of terrorism, this was not a hate crime."

Labor

Witnesses told [The Post and Courier](#) that the armed man had declared, "I am the new

shoots; kills self at woodhaven Stamping Plant





In 2016, a 19-ton rental truck was deliberately driven into crowds of people celebrating Bastille Day in Nice, France killing 74 men, women and children



In 2017, 8 people were killed when a man rented a Home Depot truck and intentionally drove it into crowds of bike riders and trick-or-treaters in New York City on Halloween



- Your vehicles have no locks and no keys
- Anyone can jump on board and drive away
- What measures are you taking to secure the safety of your passengers, your drivers and the public at large?
- It is not a matter of if, it's a matter of when!

Securing Your Bus Today Will Save Lives Tomorrow

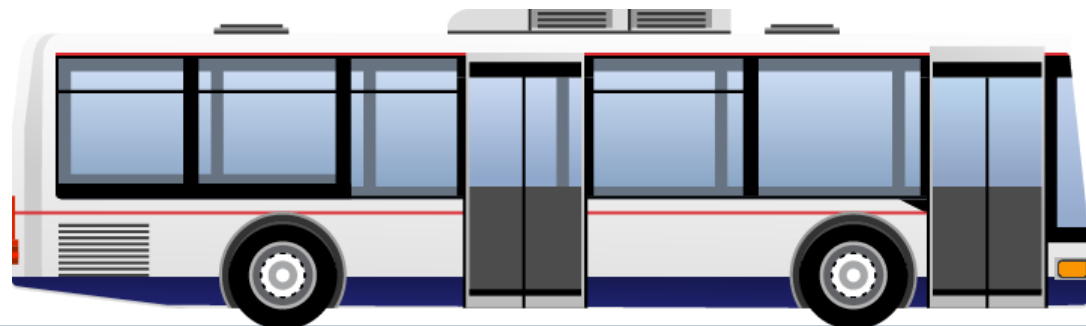
What technology should you be considering to prevent?

Theft
Unauthorized Access

Hi-Jacking with the
intent to cause harm to
those onboard or on
the street

Malicious actions of a
disgruntled employee

Joyriders



Preparing Your Employees With Life Saving Technology

What steps are you taking to equip your operators if something happens?

Seat Vacancy Triggers
that automatically log
off the system if driver
leaves seat for a period
of time rendering the
bus immovable

Covert
Communications with
Dispatch to Notify of
Emergency

Remote vehicle shut
off brings vehicle to a
safe stop

Speed threshold
breach locks
transmission

Secure Operator Log In
with PIN to start
engine

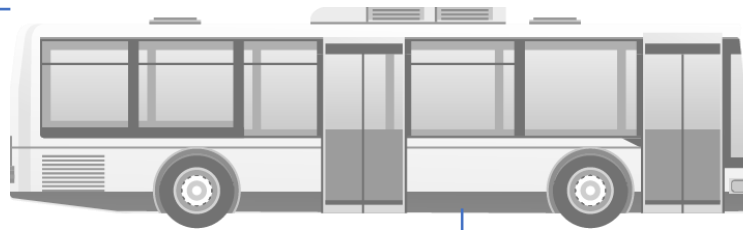
External Notifications
“Call Police”
Or Lights Flashing

Internal Notifications
to Passengers
Audio & Visual

Secure Bus Access

ARM

- Seat Vacancy Triggers
- Left/Right Signals Alternate
- Alert Message displayed on the interior destination signage
- On-board announcement can be made
- Headlamps and hazard lights will flash



DISABLE

- Brake Lights Illuminate as bus decelerates
- Door Opens when bus stops
- Stop Engine and Brake Indicators Flash
- Brake and Accelerator interlocks are engaged and signal sent to ABS Module
- Transmission placed in neutral
- Headlights and hazards flash

SYSTEM LOG ON

- Secure Operator Pin required to start engine
- Pin matched to employee ID
- If validation fails, transmission will not engage
- Multiple failed attempts must call dispatch to verify pin



THANK YOU!