

**MUCKLENEUK HILL  
SECURITY  
INITIATIVE**



# MHSI

**AGM 2022-06-10**



# Agenda

- Welcome and quorum
- Approval of 15 Nov 2020 Minutes
- Report back on initiatives
- Camera project launch
- Call for volunteers
- Security concerns
- Approval of AFS
- Appointment of directors
- General



# Welcome and quorum

5 or 25%



# Approval of 15 Nov 2020 minutes

11 June 2022



# Report back

11 June 2022



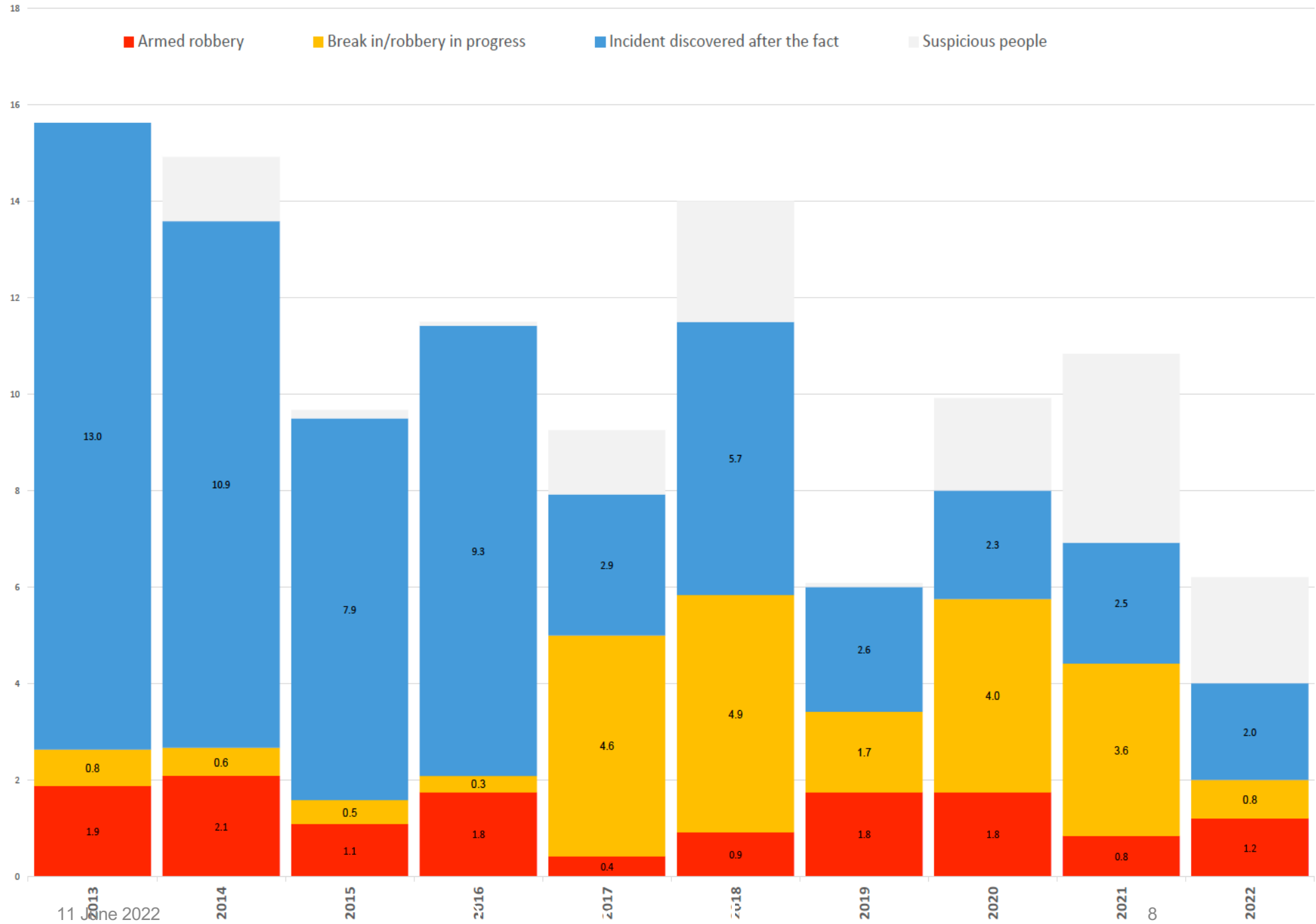


# General functioning

- Members 109
- Radios 126
- Alliances
  - ADT
  - Interactive
  - Axon
- SAPS and TMPD
- Radio callers
- Statistics
- Communication



# Monthly Average per Incident Type from 2013 to 2022

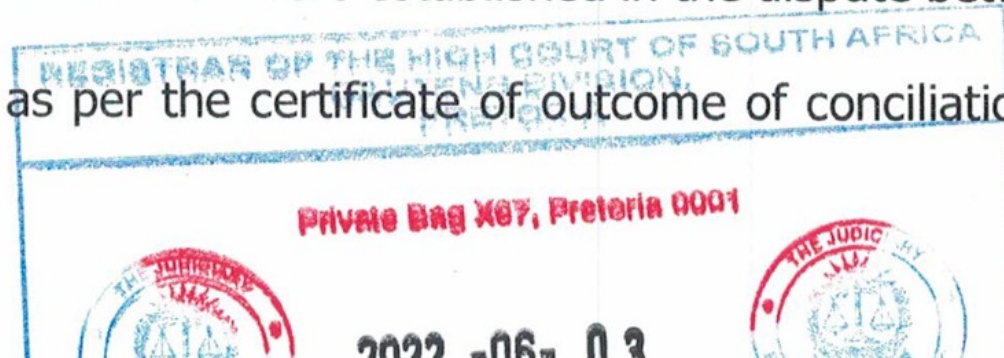




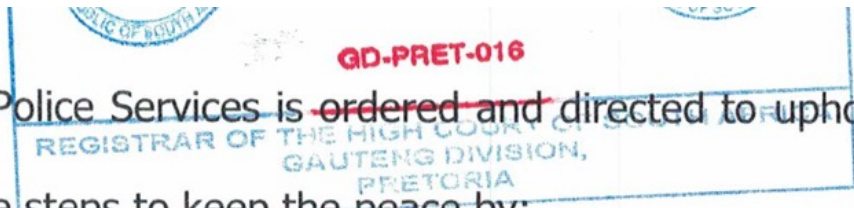
# UNISA NEHAWU Interdict



1. The 1<sup>st</sup> respondent is ordered and directed to ensure that its members comply with the picketing rules which were established in the dispute between the 1<sup>st</sup> & 4<sup>th</sup> respondents as per the certificate of outcome of conciliation dated 23 March 2022;



2. The South African Police Services is ~~ordered and~~ directed to uphold the law and take reasonable steps to keep the peace by:



2.1. arresting any person who commits any criminal offence including fire or damage to public infrastructure, stop signs, tar roads, pavements, trees, plants or grass or any other part of public areas and public parks;

2.2. arresting any person who damages or burns private property, and / or harasses, intimidates, or threatens members of the public or residents of Muckleneuk and Lukasrand in Pretoria, and/or commit any acts of violence, showing, posing or wielding dangerous objects, including rocks, stones, sticks, shamboks, spikes or glass bottles;



3. The South African Police Services is ordered and directed to enforce the provisions of the **Dangerous Weapons Act** 15 of 2013, by preventing any person from carrying firearms, knives, sharp objects, sticks or dangerous weapons;

4. The Tshwane Metropolitan Police Department is ordered and directed to take all reasonable steps to enforce the provisions of the **Public Amenities By-laws**, the **Gauteng Noise Control Regulations**, and the **National Road Traffic Act** by:



- 4.1. protecting public areas and public parks and pavements from damage (including to trees, plants and grass), littering, public nuisances, urinating or defecation in public and/or fires in public spaces;
- 4.2. clearing roads and public areas of obstructions including roadblocks, rocks, stones or spiked trees cut down and placed in public roads or public parks;
- 4.3. directing traffic flow and traffic management;

- 4.4. preventing illegal parking of cars in public areas or public parks or on pavements or in front of private residences;
- 4.5. preventing public drinking and intoxicated driving on public roads;



# MLPORA Initiatives

- Sub-committee to investigate restricted access
- Community building
- Retaining the residential nature of the area
- Bin stickers





# Camera Project



**OUR SUBURB**  
**OUR SAFETY**  
OUR RESPONSIBILITY

# The Camera Project

- History / Recap
- Hybrid Model
- Technology
- Examples / Case Studies
- Contribute
- Questions



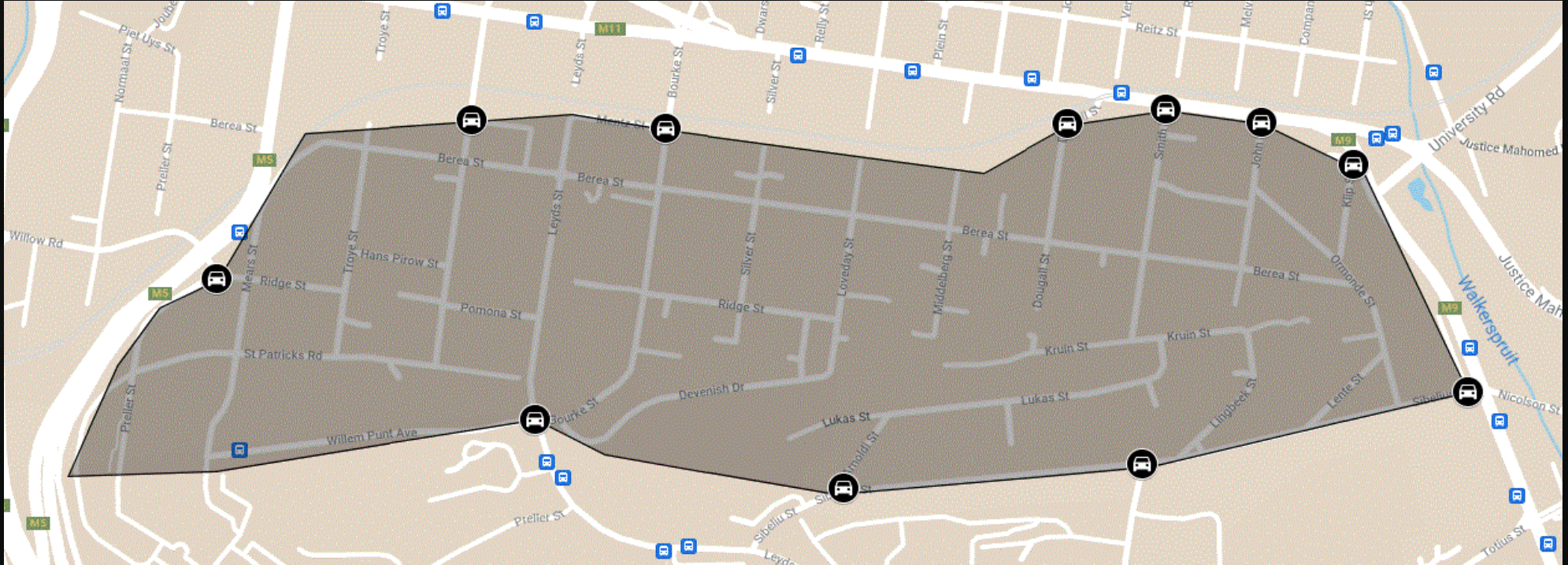
# History

- 5+ years ago –  
cameras to monitor problem vehicles
- 2+ years ago – new player  
thousands of cameras monitor people and vehicles
- Access control using cameras  
i.e. “Virtual closure”





# Virtual Closure Map



**OUR SUBURB**  
**OUR SAFETY**  
OUR RESPONSIBILITY

# Virtually

- Virtual Closure – Access Control without booms
- Virtual Patrol – Cameras “Patrol” streets with backup from patrol vehicles
- Virtual Response – Camera “Responds” to alarm activation until vehicle arrives



# Recap - Last meeting

- Proposal, Negotiations, Out to Tender
- 400 households, R430pm
- Last meeting – Mandate
- Selected a Preferred Provider
  - and then: COVID, Technical Assessments, KZN Strikes,  
Lock Downs... (but no cameras)
- Objectives not aligned
- Painful decision – reopen the process
- Meetings with dozens of providers



# Key realisations

- Increasing Market Share v.s. Crime Prevention
- Vested Interest to Sponsor Cameras
- Co-operation and sharing with other Safety Initiatives
- Own the Cameras, Own the Feed
- Our Suburb – Our Safety – Our Responsibility





# Many dead ends and the occasional pot of gold



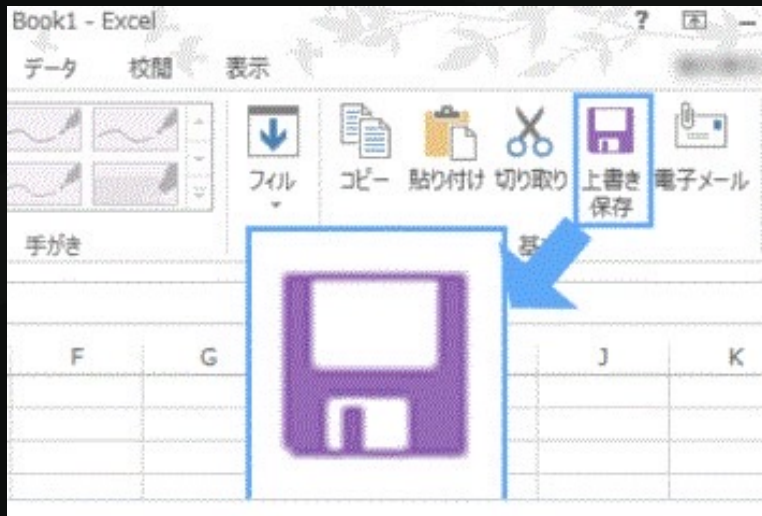
"We went off the gold standard ages ago."

**MUCKLENEUK HILL  
SECURITY  
INITIATIVE**

**OUR SUBURB  
OUR SAFETY  
OUR RESPONSIBILITY**

A graphic featuring a silhouette of a tower against a sunset background. The text 'MUCKLENEUK HILL SECURITY INITIATIVE' is on the left, and 'OUR SUBURB OUR SAFETY OUR RESPONSIBILITY' is on the right.

# Technology advances - Times change

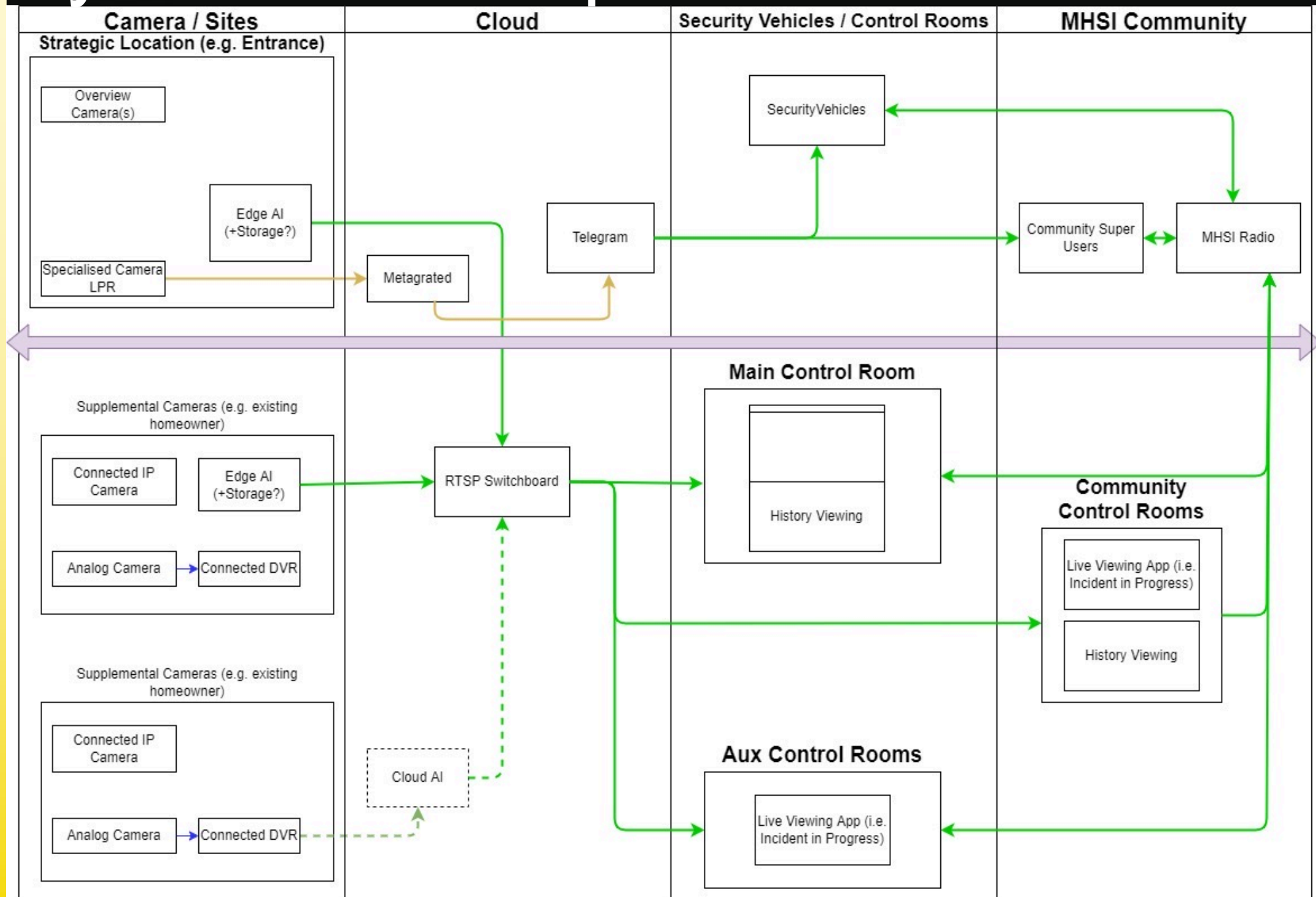


# Flexible Hybrid Model

- Camera agnostic – mix and match different cameras
- Strategic locations e.g. entrances
- Supplemental cameras from residents
- None-, One- or Multiple Control Rooms
- Community involvement
- Flexible – add and remove as needed
- Not dependent on one one provider
- No long term contracts



# Hybrid Roadmap





# Pro-active focus

- **Vehicles**

- Our Own Hotlist
- Hotlists from Other Security Initiatives
- National Databases:
  - .SAPS Stolen, Insurance Companies, Known Clones
- Our own Whitelist: Circling our unusual times

- **People**

- Movement at unusual place / time



# “Conventional” CCTV Cameras



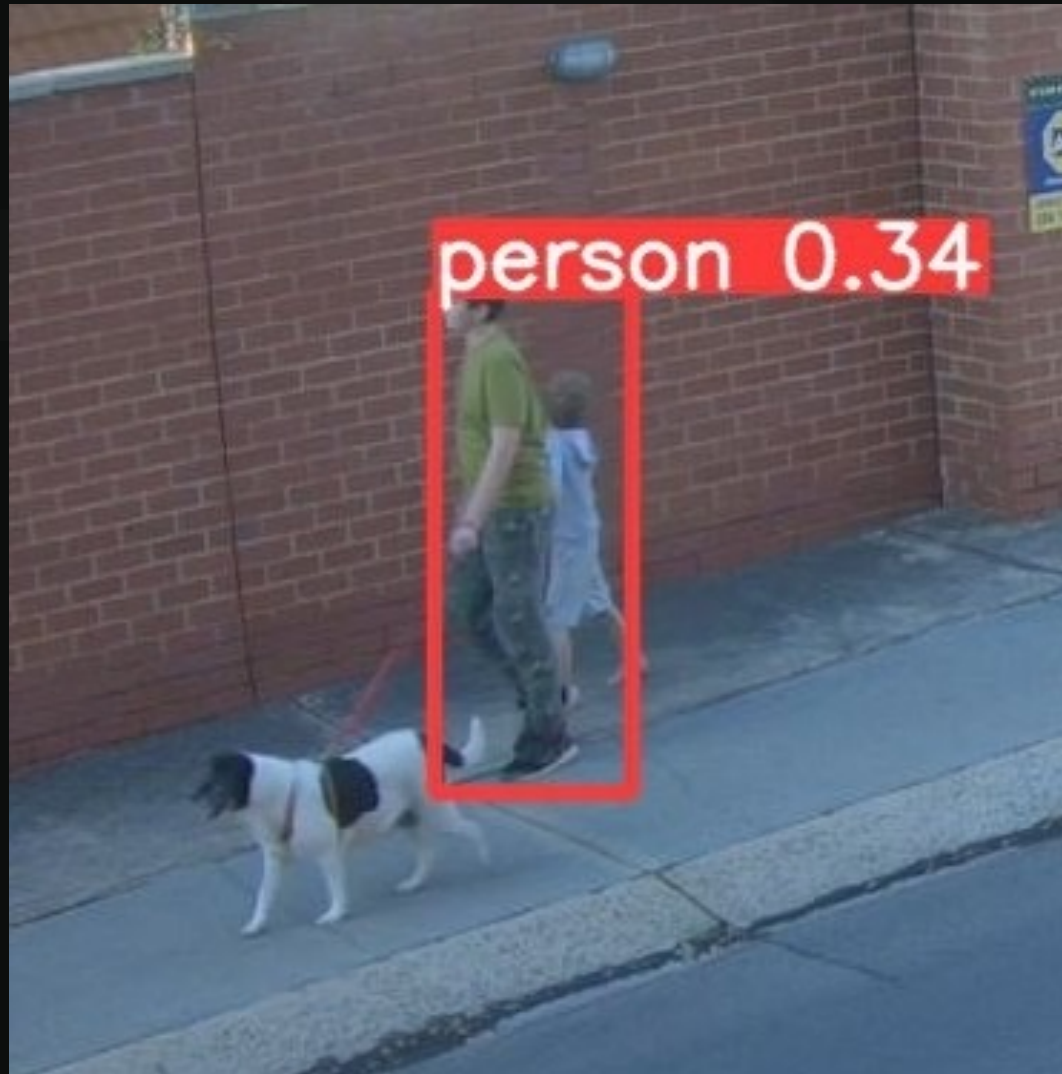


# Our technology: Hi-resolution images

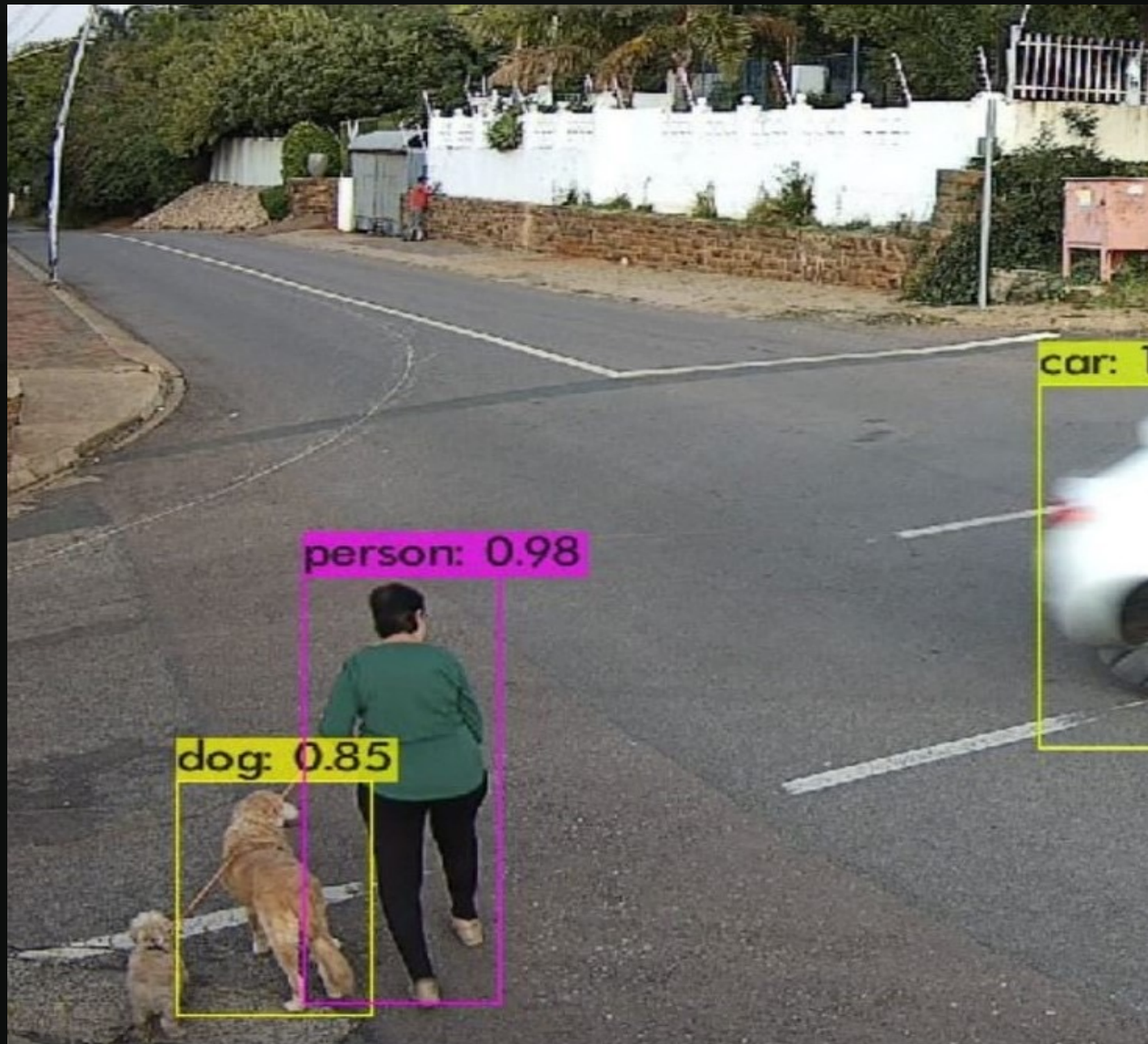




# Our technology: Zoom



# Our technology: AI object classification

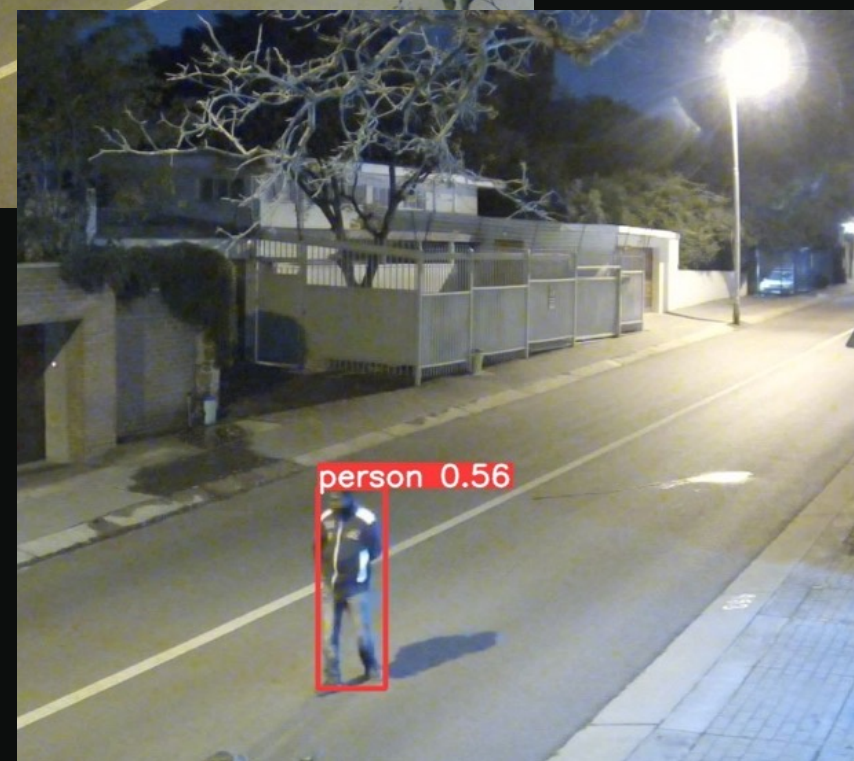
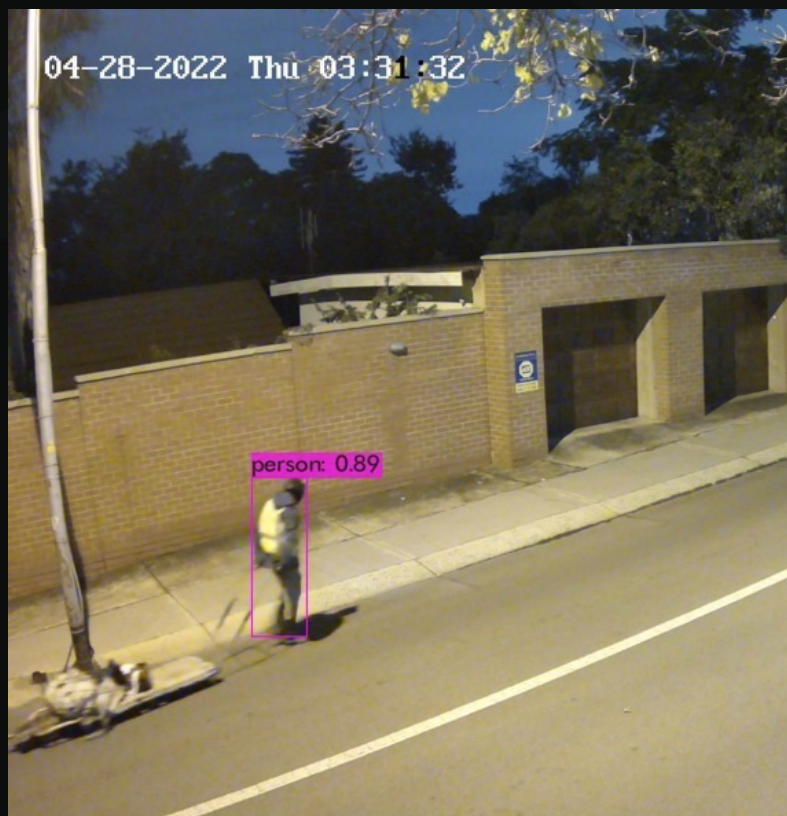




# Our technology: Colour at night



# Our technology: Colour at night





# Our technology ANPR: Day time moving vehicles



# Our technology ANPR:

## Night-time: 3 camera comparison



# Our technology ANPR:

Night-time: lights and reflective stickers





# Early Successes

Some Examples / Case studies




# Success Example 1:



# Success Example 1:

## Stolen vehicle - Automatic Telegram Message

**M** MHSI\_Debug  
5 members



**Vehicle Flagged**  
Camera:MHSI\_LPR  
Number Plate:hs35zdgp  
Description:RENAULT SEDAN/ HATCHBACK/ COUPE  
Reason:THEFT  
Date Stolen:28/05/2020  
Case Number:00043/06/2020  
Case Station:AKASIA  
Flag:Vehicle is possibly stolen, please verify licence plate (flagged)  
Message 1:Confirm vehicle status on SAPS Circulation System Vehicles prior to any action taken  
Message 2:For SAPS assistance call nearest Police Station or Crime Stop on 08600 10111  
Engine Number:B4DA404E038856  
VIN:MEEBBA00100462690  
Alert provided by MHSI powered by Metagrated (Pty) Ltd 10:44



# Success Example 2:

## Black BMW – Armed robbery





# Success Example 2:

## Black BMW – Search...

**MUCKLENEUK HILL SECURITY INITIATIVE**    Devices   Alerts   Contact   Search    7   0   1   User Image   mhsi@lpr.co.za

**Search**

**Device Group(s)**  
Select...

**Make(s)**  
Select...

**Colour(s)**  
Select...

**Device(s)**  
Select...

**Model(s)**  
Select...

**Type(s)**  
Select...

**Number Plate(s)**  
fl16swgp




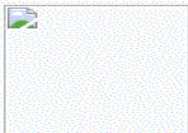

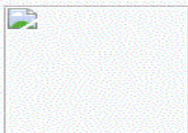
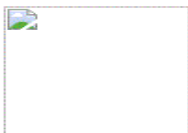


# Success Example 2:

## Black BMW – Search reveals pattern

Search Show on Map Add New

Picture Search Grid Details

CAMERASEARCHID	IMAGE	DEVICE	READ DATE	LONGITUDE	LATITUDE
▶ 31553250		MHSI_LPR	2022/04/28 8:52:58 ...	28,20991	-25,76166
▶ 31550237		MHSI_LPR	2022/04/28 7:57:59 ...	28,20991	-25,76166
▶ 31540684		MHSI_LPR	2022/04/28 6:19:42 ...	28,20991	-25,76166
▶ 31230935		MHSI_LPR	2022/04/26 9:51:59 ...	28,20991	-25,76166
▶ 31219301		MHSI_LPR	2022/04/26 6:53:33 ...	28,20991	-25,76166

Records Found: 5

# Success Example 2:

## Black BMW – Suspects arrested!





# Success Example 3 & 4:

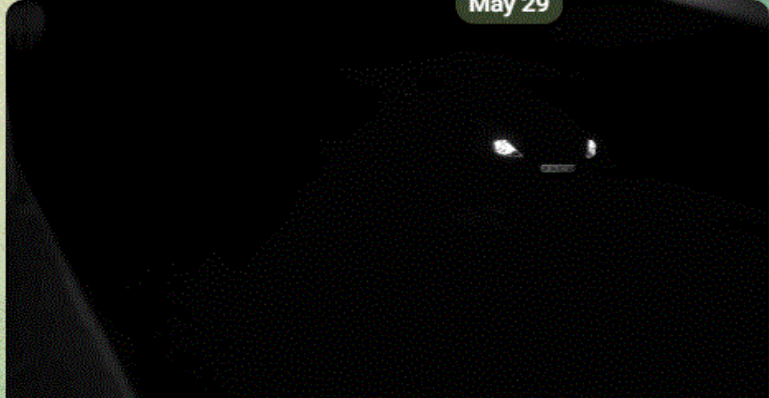
Car jammers arrested

Stolen Vehicle Recovered



**M** MHSI\_Amber  
7 members, 1 online

May 29



**Vehicle Flagged**  
Camera:MHSI\_LPR  
Number Plate:jv34htgp  
Description:NISSAN  
Reason:ROBBED FROM OWNER/COMPLAINANT  
Date Stolen:24/05/2022  
Case Number:00637/05/2022  
Case Station:PRETORIA CENTRAL  
Flag:Vehicle is possibly stolen, please verify licence plate (flagged)  
Message 1:Confirm vehicle status on SAPS Circulation System Vehicles prior to any action taken  
Message 2:For SAPS assistance call nearest Police Station or Crime Stop on 08600 10111  
Engine Number:  
VIN:  
**M** Alert provided by MHSI powered by Metagrated (Pty) Ltd 20:23



# Bonus - Traffic Statistics

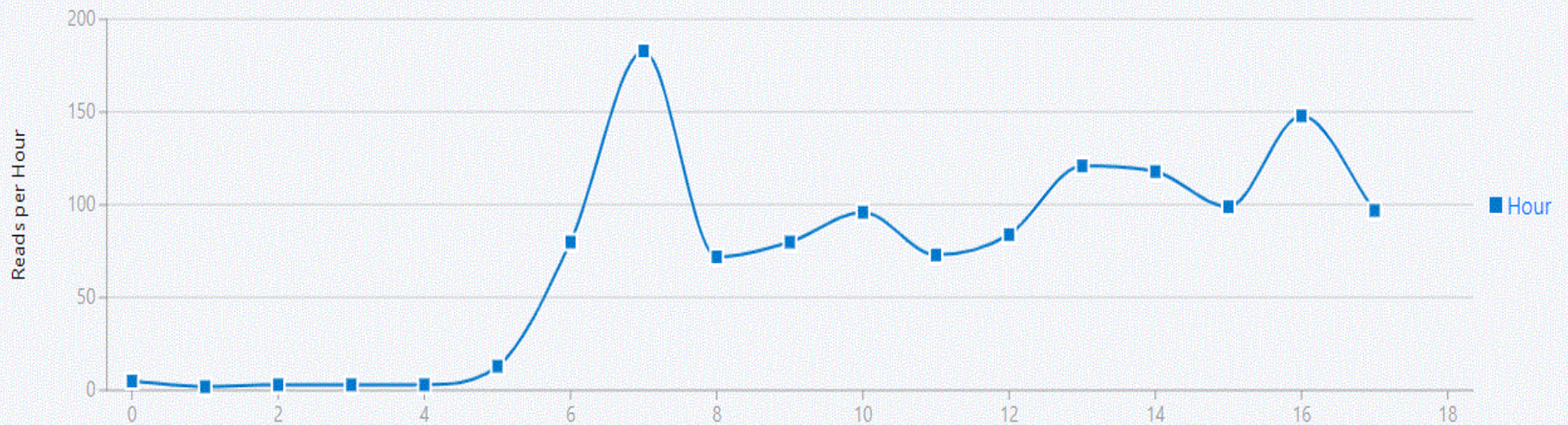


☰ Devices Alerts Contact

Search



7 0 1 User Image mhsi@lpr.co.za



# Locations of cameras

- 12 entrances to Muckleneuk and Lukasrand
- Smith and Berea
- Resident walls
- By street and paid demand after all 12 entrances covered
- Other communities



# Cost

- R430 per household (MHSI Membership included)
- 1 X camera pole per 12 debit orders
- Roll out as people join
- Reduce costs when more people contribute or surveillance is sufficient





# How to Contribute:

Become a subscriber - R430 per month

Join the camera team:

- Pole installation project manager
- Communications
- Membership
- Wider stakeholder liaison
- Signposting
- Incident Responders
- Legal agreements





# Breaking News!

## Success Example 5:

Car stolen – Suspected Support Vehicle Identified and Apprehended



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**OUR RESPONSIBILITY**



# Questions



# Bonus Axon's role

- Admin and debit order collection
- Response to street and camera incidents
- A third service provider in area





# Emerging security concerns

11 June 2022



# Emerging security concerns

- Squatters
- Abandoned homes (TMPD assistance)



# Approval of AFS

11 June 2022





**MUCKLENEUK HILL SECURITY INITIATIVE NPC**  
**REGISTRATION NUMBER 2013/077833/08**  
**STATEMENT OF FINANCIAL POSITION**  
**AS AT 28 FEBRUARY 2022**

<b><u>ASSETS</u></b>	<b>Note</b>	<b>2022 R</b>	<b>2021 R</b>
<b>Non current assets</b>		-	-
- Property, plant and equipment		-	-
<b>Current assets</b>		287 154	199 451
- Cash and cash equivalents	2.	287 154	199 451
<b>Total assets</b>		287 154	199 451
 <b><u>EQUITY AND LIABILITIES</u></b>			
<b>Equity</b>		282 404	197 151
- Retained income		282 404	197 151
<b>Current liabilities</b>		4 750	2 300
- Provision for accounting fees		4 750	2 300
<b>Total equity and liabilities</b>		287 154	199 451

**MUCKLENEUK HILL SECURITY INITIATIVE NPC**  
**REGISTRATION NUMBER 2013/077833/08**  
**STATEMENT OF COMPREHENSIVE INCOME**  
**FOR THE YEAR ENDED 28 FEBRUARY 2022**

**Page 8**

	Note	2022 R	2021 R
<b>Gross revenue</b>	3.	178 721	146 998
Bad debts recovered		-	-
Donations		-	-
Interest received		-	-
Licence fees - renewals		-	-
Membership fees - renewals		87 360	81 275
Membership fees - new members		39 450	24 700
Member - parts contributions		3 895	4 573
Security christmas box contributions		48 016	36 450
<b>Available funds</b>		178 721	146 998
<b>Cost of sales</b>		(33 726)	(26 468)
- Opening stock		-	-
- Purchases : Radio assets sold to members		(33 726)	(26 468)
- Closing stock		-	-
<b>Administrative and operating expenses</b>		(59 742)	(58 036)
Accounting fees		(2 450)	(2 300)
Advertising and printing		(2 771)	(9 011)
Bad debts incurred		-	-
Bank charges		(1 170)	(1 436)
Consulting fees		-	-
Donations		-	(2 000)
Radio licences		-	-
Refunds packages		-	-
Security christmas box		(47 874)	(35 100)
Small Equipment - torches		-	(7 038)
Repeater maintenance		(3 000)	-
Telecommunications - web site hosting		(2 477)	(1 151)
Total comprehensive income / (loss) for the year		85 253	62 494
Taxation	4.	-	-
<b>Total comprehensive income / (loss) for the year</b>		<b>85 253</b>	<b>62 494</b>



# Appointment of Directors

11 June 2022





- Robert Cameron-Ellis
- Anoulla Demetroudes
- Dirk Kotze
- Dylan Brewer
- Regardt Botha



# General

11 June 2022



# Adjournment

11 June 2022





11 June 2022



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SECURITY  
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**OUR SUBURB**  
**OUR SAFETY**  
OUR RESPONSIBILITY

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