

## **Revenue Protection Challenges in Africa**

Presented by Michael J Rhode

President: Southern African Revenue Protection Association (SARPA)

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# Setting the scene



### One regulator - NERSA

One generator/transmitter – ESKOM

188 Distributors – MUNICIPALITIES & ESKOM

### Poor gets 6Kl (W) & 50kWh (E) free monthly

- Residential tariff around fic
- No gas reticulation
- Diverse customer base

# Setting the scene





# Setting the scene







"High electricity losses cripple a utility's ability to properly invest in its system and provide stable service" – Bob Gohn, Pike Research

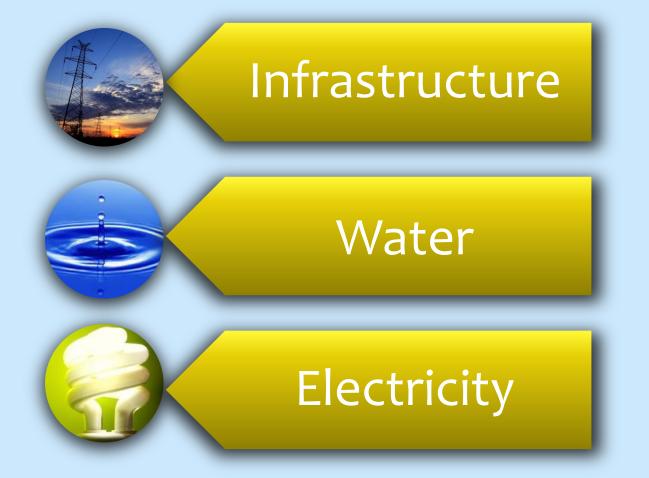
## **SARPA Mission Statement**



"Protecting revenue and assets accruing to or owned by utilities against loss, misappropriation and pilfering or willful malicious damage"

# **Challenges in Africa**







#### Globally (World bank report)

Total losses = 3-55%

Theft = US\$ 200bn/y

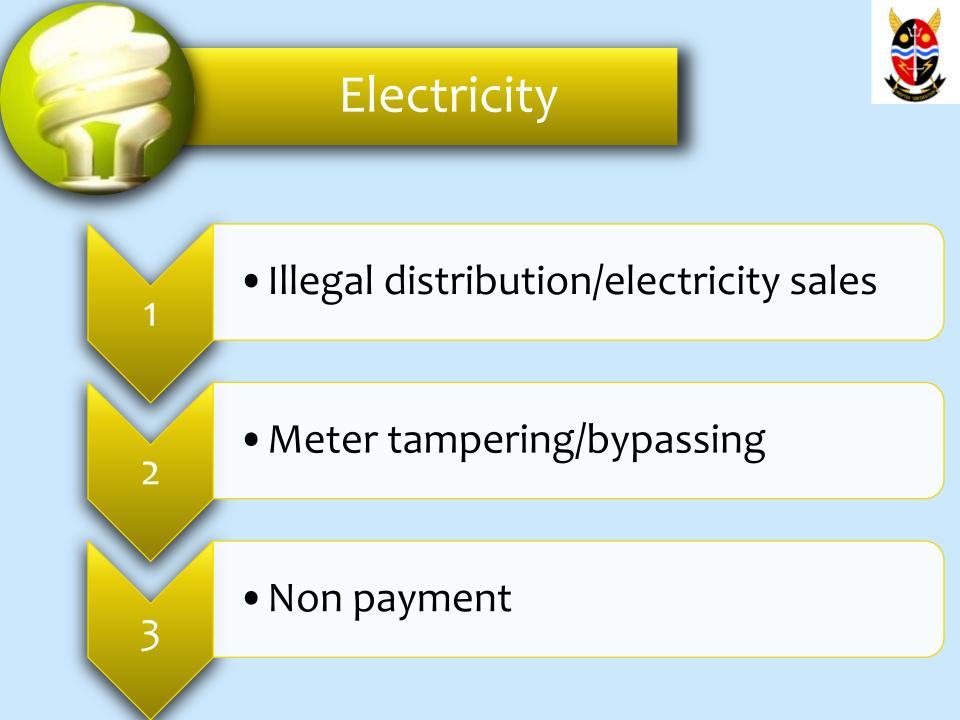
#### South Africa (Worldbank, IEA)

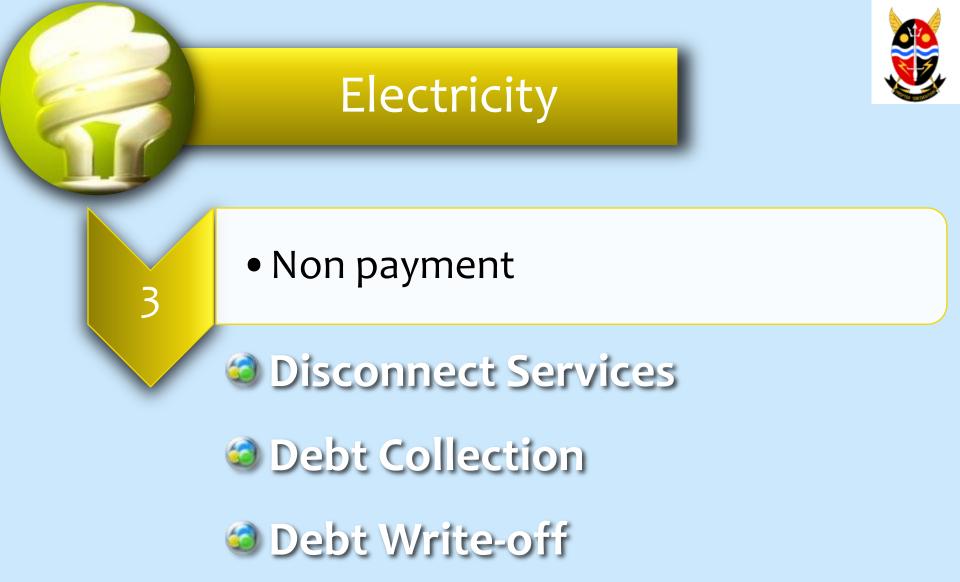
Total losses = 8%

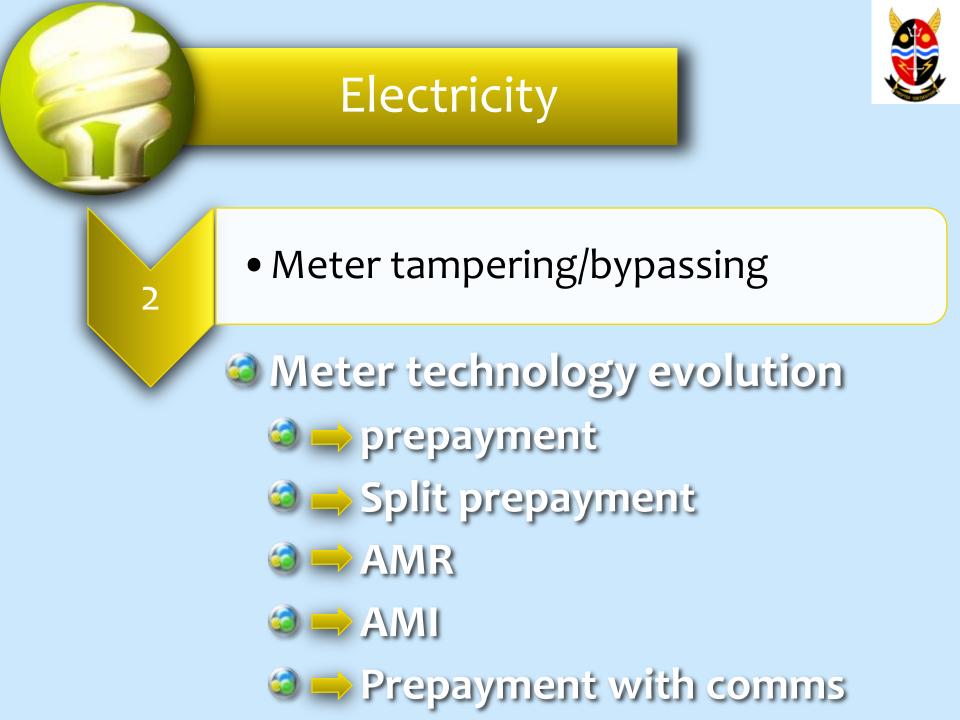
Theft = R 6.1bn/y



## NERSA regards 10% losses as acceptable!

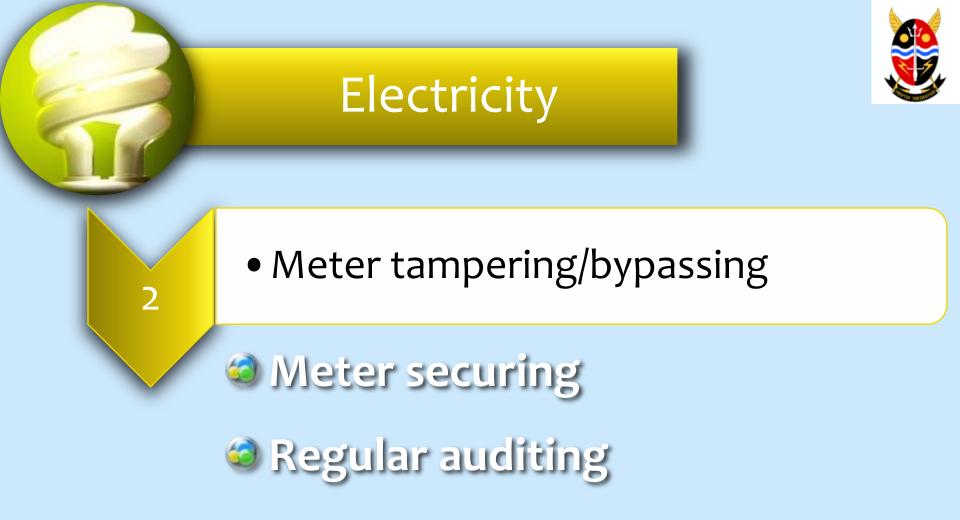














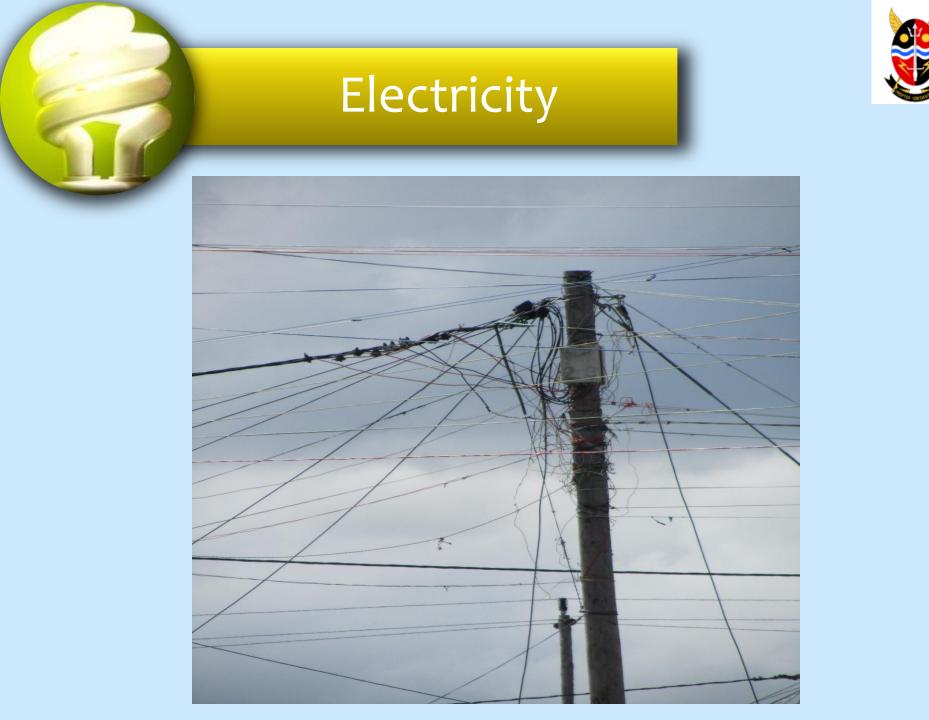
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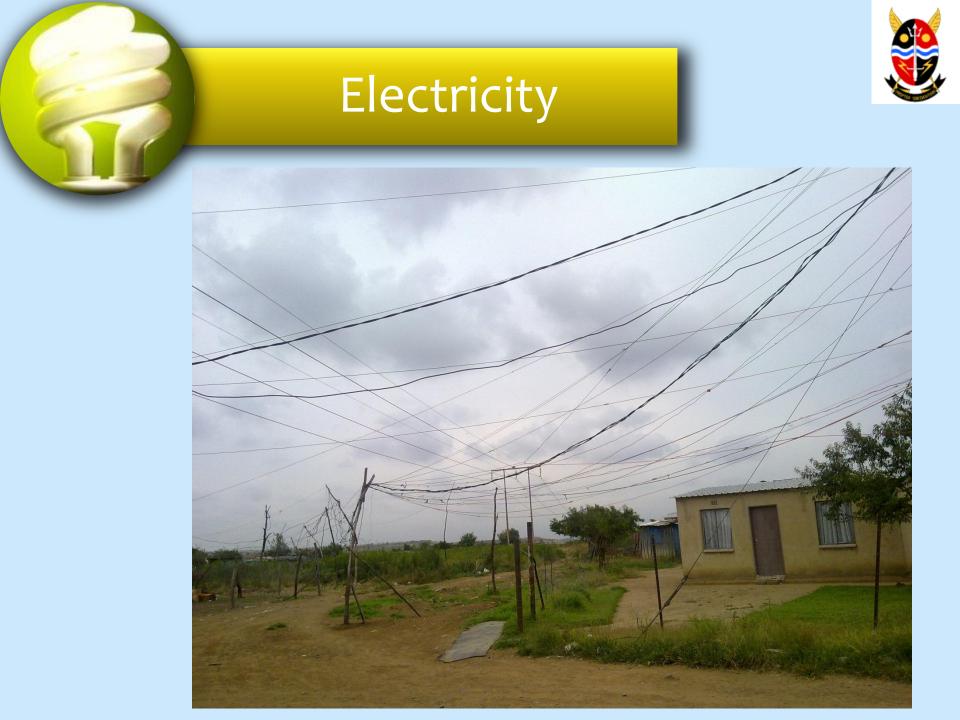






- Illegal distribution/electricity sales
- Disconnect/penalty payable
- Reduce capacity
- Electrify
- Socio political issues
- No more reinstatement??
- Ghost" vending

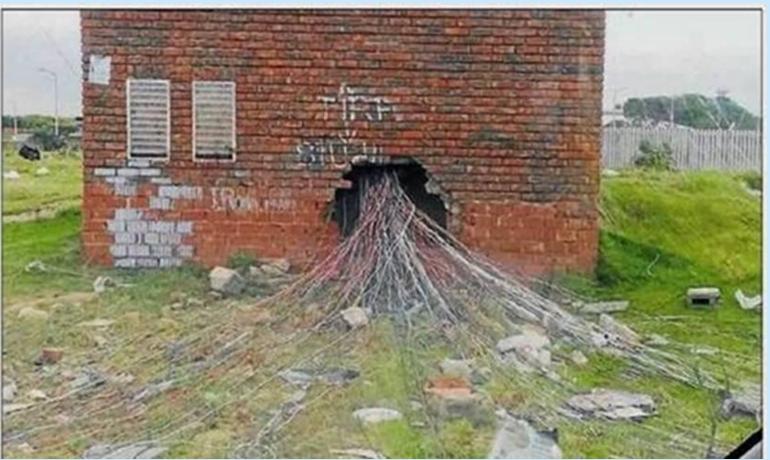


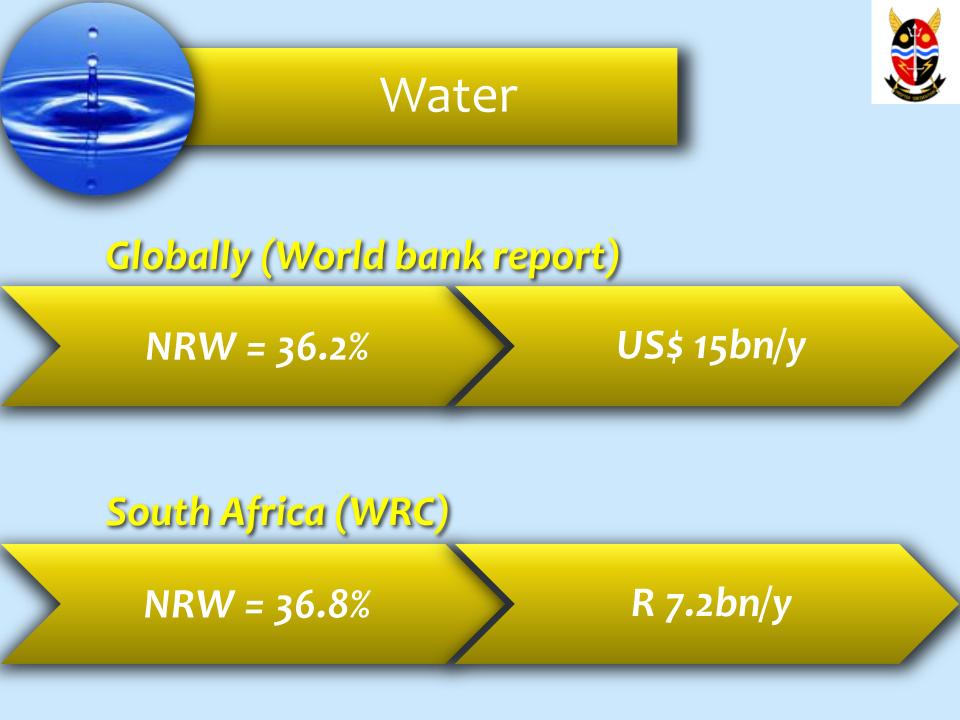




# Electricity

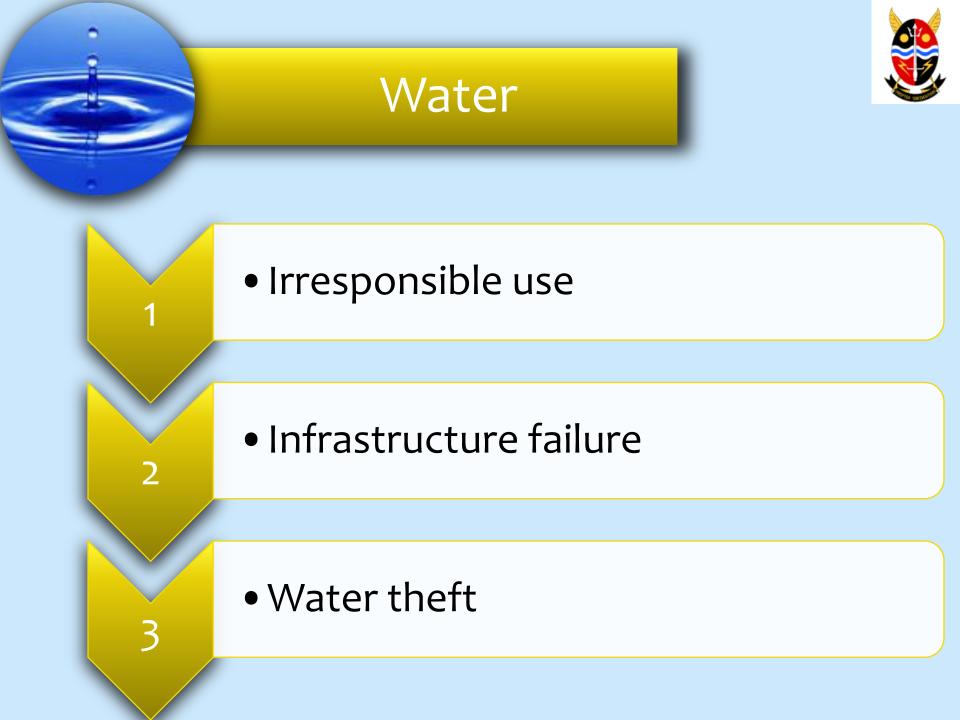




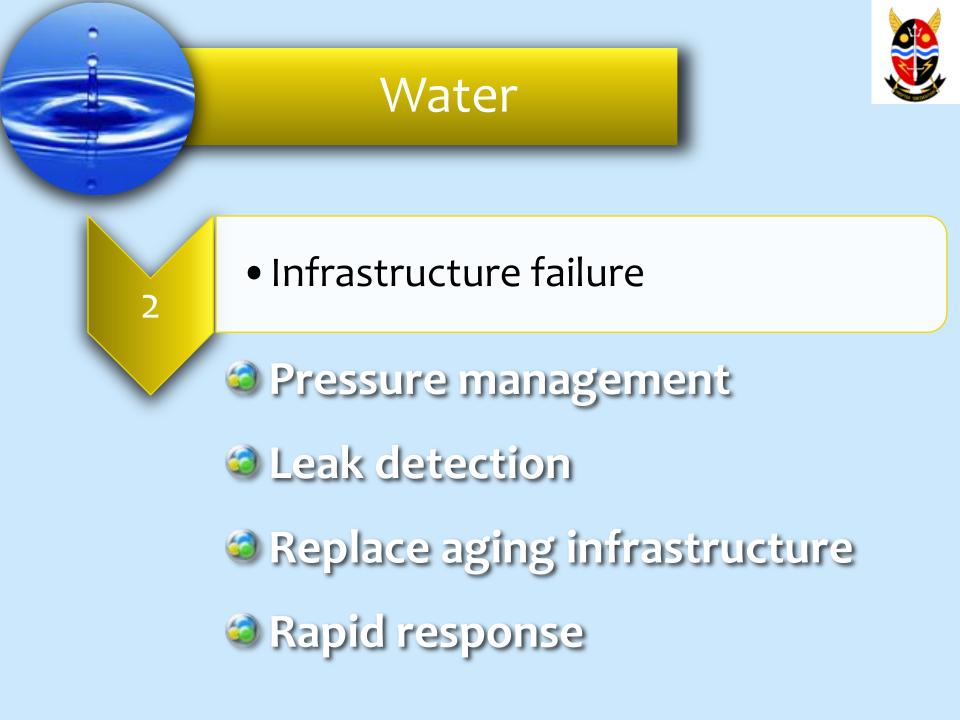




## Presidential directive to reduce water losses by **50%** by 2015!





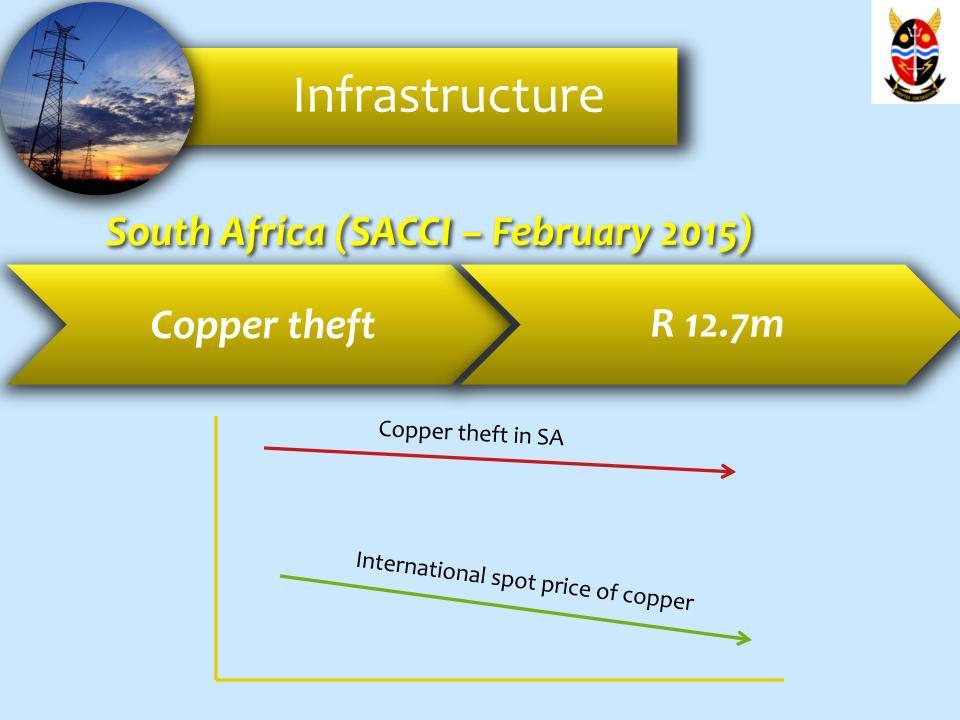














Epidemic proportions Electrical infrastructure Civil infrastructure Hugely expensive to police Loadshedding!!



### Second Hand Goods Act

- Directive on exportation of waste and scrap metals
- Technology
  - Cable marking
  - Cable guard
  - Camera surveillance
- Covert operations
- NTFCCC groups

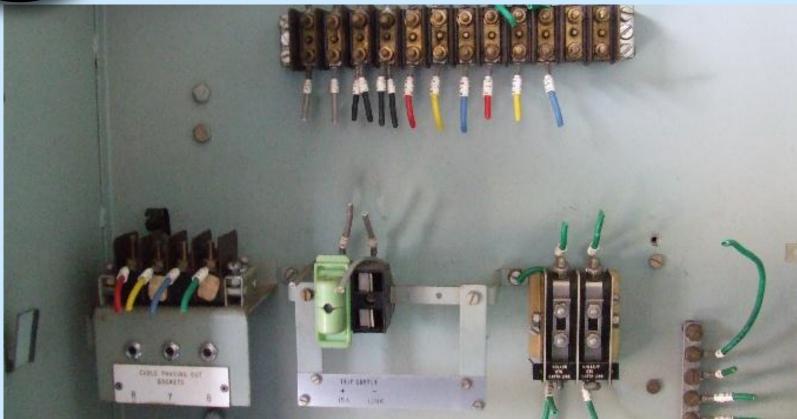


















































## Infrastructure



















## Infrastructure







## Infrastructure

small

large



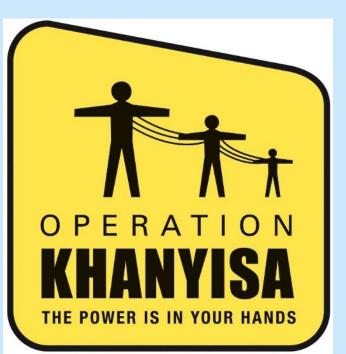
**CableGuard**<sup>™</sup> The cable theft protection system

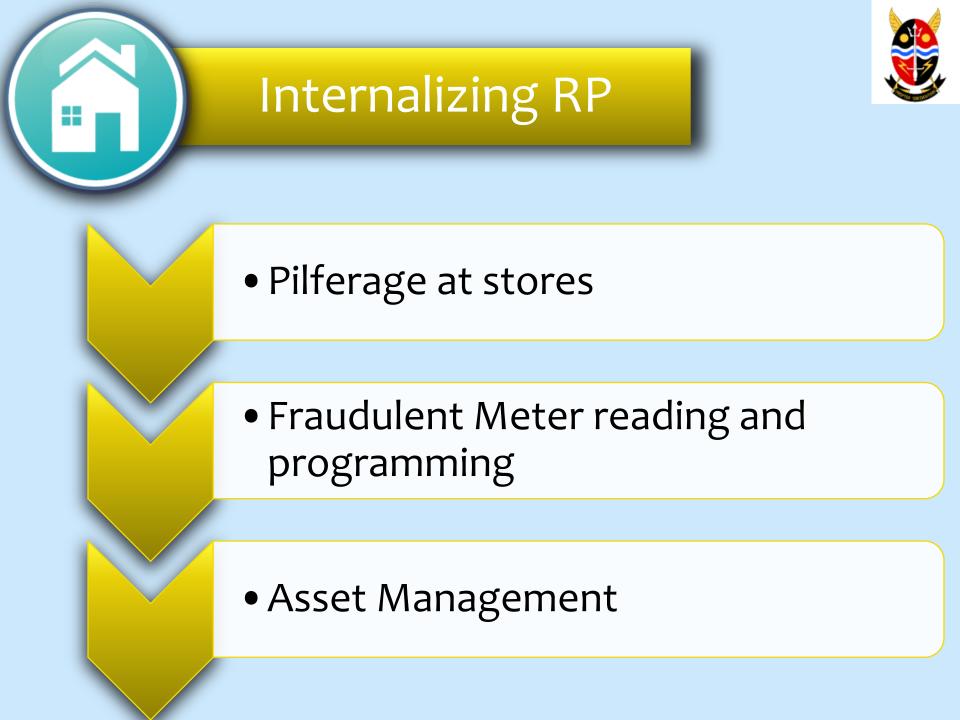


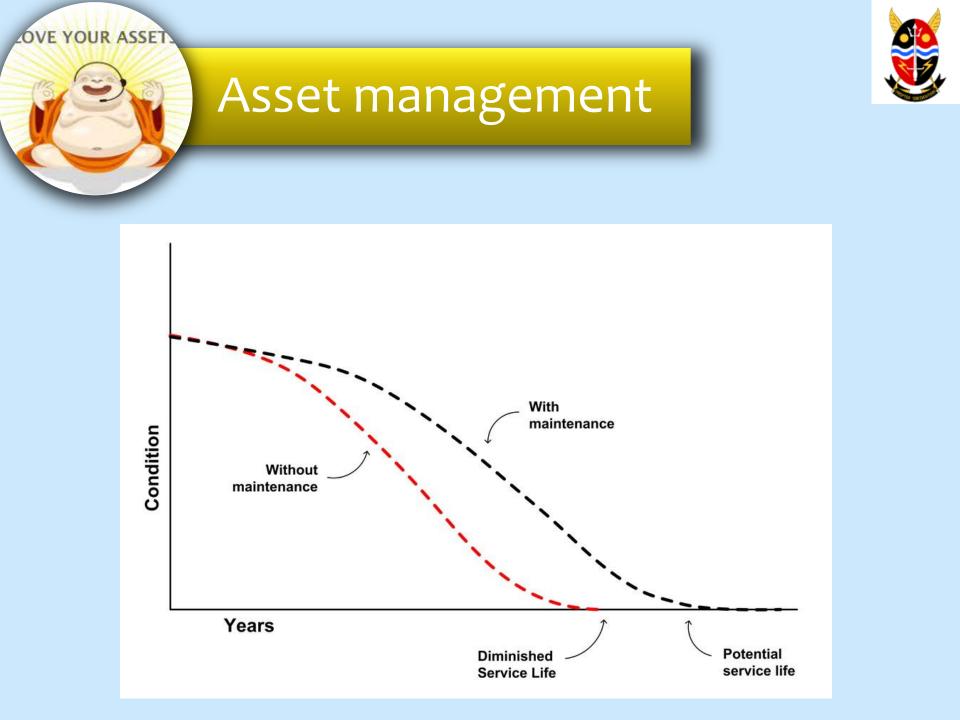


### Elec, Water & Infrastr.

### Customer Education









# Asset management

OVE YOUR ASSET.



# Infrastructure Crime Convention

### 16-17 July 2015 / Sammy Marks Building, Tshwane

In partnership with:



### SOUTHERN AFRICA REVENUE PROTECTION ASSOCIATION 19<sup>th</sup> ANNUAL CONVENTION 2015

Chasing your money - Simple strategies that work

#### 13-14 August 2015 MBOMBELA

# Thank you

