High Integrity Identity Programmes
We touch people’s lives daily
Agile Identity Programme Requirements

Easy On-boarding
- Citizen
- Employees
- Suppliers

Digital Process
- Printing
- Scanning
- Couriers
- Paper Storage

Secure Transacting & Approvals
- Ghost worker eradication
- eDNA
- Insider Threat Prevention
- Time Stamping
- Evidence Vault
- Secure Network
- Secure Email
- Secure Transactions

Private Communication

TRUSTWORTHY

ETION
Create | Digitise | Connect | Secure
Agile Identity Programme Requirements

**Easy On-boarding**
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**Secure Transacting & Approvals**
- Devices
- Ghost worker eradication
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**Digital Process**
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**Private Communication**
- Secure Chat
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**ETION**
Create | Digitise | Connect | Secure
Types of threats we talk about
Types of threats we don’t discuss
Profile of a business insider

- Normal people
- A business role e.g. immigration official, identity management official, treasury, procurement, payroll
- Exposed to finances or sensitive business actions
A little bit of criminology

**Three causes of crime**

- **Rational choice theory**
  - There is high perceived reward from committing crime
  - There is more opportunity to commit crime (easy targets)
  - There is little risk of getting caught and punished

- **Broken Windows Theory (Wilson and Kelling)**
  - Crime is higher in areas of high ‘social disorder’
  - Individuals have free choice
  - Predicts crime will increase when

- **In such areas there is low social control (both formal and informal)**
  - This attracts more criminals who think it is easy to get away with crime
  - Litter
  - Graffiti
  - Broken windows

**Right realism and crime**

- **Environmental crime prevention**
  - Immediate penalties for minor crime or even just anti social behaviour
  - Changing the broader area through social control measures
  - Zero Tolerance Policing
  - ASBOs

- **Two broad ways of controlling crime**
  - Requires government funding or collective community action
  - RTC makes individuals responsible for their crimes
  - SCP is very practical and relatively cheap
  - Some evidence suggests ZTP works

**Positive evaluations**

- Solutions only really tackle street crime not corporate crime or DV

**Criticisms**

- Other factors besides ZTP may have caused crime reduction
- Solutions ignore underlying causes of crime
- Some evidence suggests ZTP may have caused crime reduction
- Other factors besides ZTP may have caused crime reduction
- Nearly any individual or company can do this

- Situational crime prevention
  - E.g. security cameras and guards
  - Increasing surveillance
  - Target hardening
  - E.g. locks and fences

- **The Underclass (Charles Murray)**
  - Cut off from society - children are brought up in a crimenogenic environment
  - Key characteristics are long term unemployment, low rates of marriage and high rates single parents
  - Socialise their children to be irresponsible and lazy (‘I don’t need a job’ attitude)
Our summary observation

Confidence & Anonymity

Reward

Opportunity
The Insider threat prevention Concept

Behaviour Change

- Remove Anonymity
- Continuous Awareness
- Tamperproof Evidence
ITP solution concept

Employee
- 3 Factor Positive Identity
- Biometric
- Sign (Seal)
transaction at source

Business System
- Minimal modification
- Only process verified and secure transactions
- Pro-active fraud prevention

eDNA
- Independent user security management
- Impartial, indisputable Evidence

Independent scrutiny of sensitive transactions
Biometrics – the ultimate awareness tool
Mandatory fingerprint and signature to approve
Forensics – Proof of Enrolment

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Three fingers enrolled twice each

Face 2 face with ID book capture

Enrolment officer name

Enrolment officer (EO) Digital signature

Enrolment officer Fingerprint capture
Forensics – Complete record of what occurred

Changes captured
Fingerprint to commit
Card present
digital Signature
of transaction
Received and
time-stamped by
Evidence Vault
Exception reporting
Conclusion

If you want to protect ID infrastructure start with the inside

My contact details are: maeson@lawtrust.co.za

If you would like to further discuss how national identity management infrastructure can be assessed and protected, please feel free to contact me.