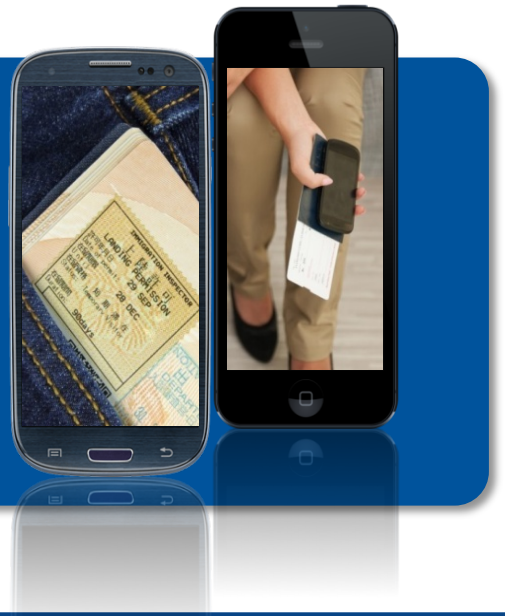
Pioneers in Secure Mobile Identity – Paving the Way for Citizens Worldwide

Joby Mathew, Sales Director, EMEA - Government ID Solutions

A Mobile Lifestyle is Becoming the Norm

- An all-purpose tool
- Life on-the-go



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Already Proven in a Wide Variety of Commercial Applications

Turning smart devices into versatile credentials for:

- Opening doors, data and cloud apps
- Safer and more secure Internet of Things

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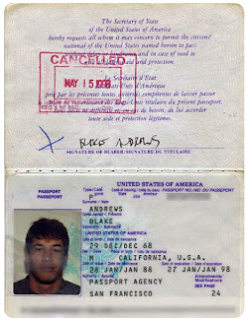
Mobility is The Next-Generation ID Credential

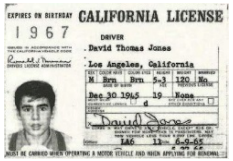


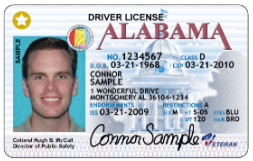
UK
NEW ZEALAND
AUSTRALIA

#MOBILE PASSPORT

SECURITY

1950s	1970s	2000s	Today
Paper	**Plastic**	**Chip**	**Mobile**

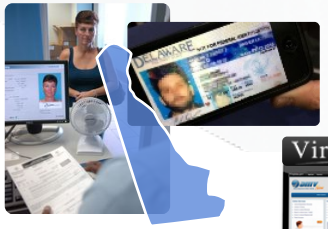




MOBILE ID CARD DRIVER LICENSE

AUSTRIA

ALABAMA
DELAWARE
ILLINOIS
IOWA
TEXAS
VIRGINIA



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Principles for a New Era of Empowerment

1. Voluntary

- Participation is voluntary
- User controls sharing
- Requires affirmative action by user

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Principles for a New Era of Empowerment

1. Voluntary

2. Interoperable

- Works with major smartphone handset manufactures and operating systems

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Principles for a New Era of Empowerment

1. Voluntary

2. Interoperable

3. Secure

- Strong standards-based cryptography platform
- Citizen's data can only be viewed by the intended authenticating smartphone

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Principles for a New Era of Empowerment

1. Voluntary

2. Interoperable

3. Secure

4. Private

- No one else has access to personal data or can track identity
- Verify without handing over smartphone

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Principles for a New Era of Empowerment

1. Voluntary

2. Interoperable

3. Secure

4. Private

5. Remote-Capable

- Even in remote areas, should be securely available for citizens

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Principles for a New Era of Empowerment

1. Voluntary

2. Interoperable

3. Secure

4. Private

5. Remote-Capable

6. Always Available

- When a smartphone is inoperable (dead battery, etc.), it's still possible to securely access a citizen's driver's license

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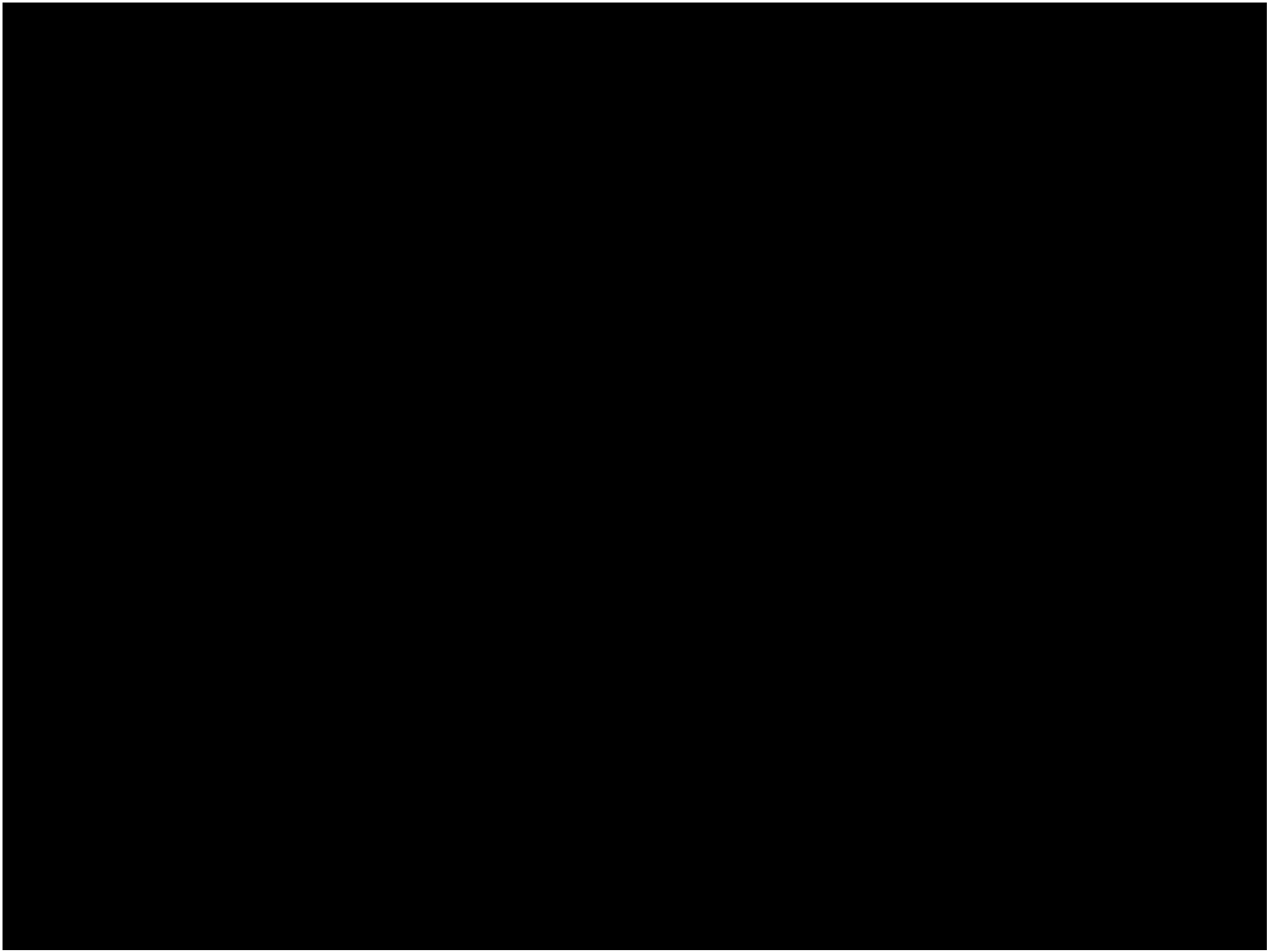
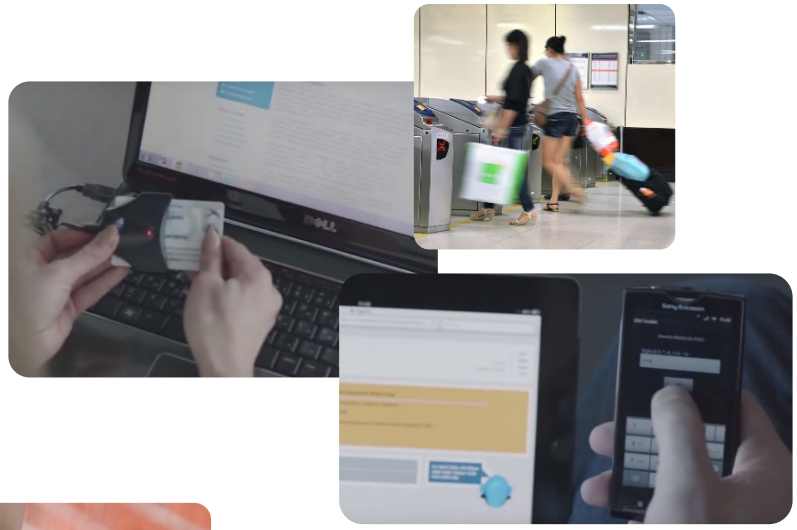


Mobility is Converging with Identity - **The Benefits are BIG**



Citizens get convenience, privacy and empowerment

- 'Everything on a smartphone'
- Share only what need to share
- Application and updates remotely

Governments get increased security, safety and efficiency

- Issue and update IDs remotely
- Interact more safely and effectively with citizens
- Increase security of identification and authentication
- Smartphone functionality continues to expand

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The Future:
A **Real** Opportunity for **Africa**

Leap over historical infrastructure and economic barriers

- Cards to cutting-edge technology
- Smartphones are everywhere
- Smarter and more affordable, with more computing power than mainframes

Reduced cost and pain of building infrastructure

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Nigeria – Leading the Way
Vehicle Registration Goes Mobile

Co-existence of physical and mobile identities
Single reader infrastructure

PoliceBCMR

Population: **170M**
# of cars: **50-60M**

Partnering with

Media Concepts International Limited

Facsimile. Product in development.

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Other Considerations

Decentralized Personalization "Farm"

- as efficient as centralized machine
- +flexibility
- +24/7 availability

Biometrics

- Bringing biometrics to contactless readers is possible

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Facilitating the Transition:
Customize Degree of Mobility

Mobile-enabled ID | **Mobile ID** | **Mobile ID Readers** | **Fully mobile platform**

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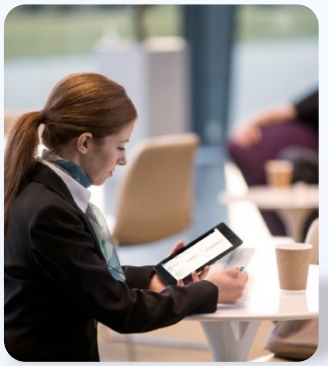
Smart Phone is the **Identity Tool of the Future**

…The credential



…The reader

…The trusted anchor for other services

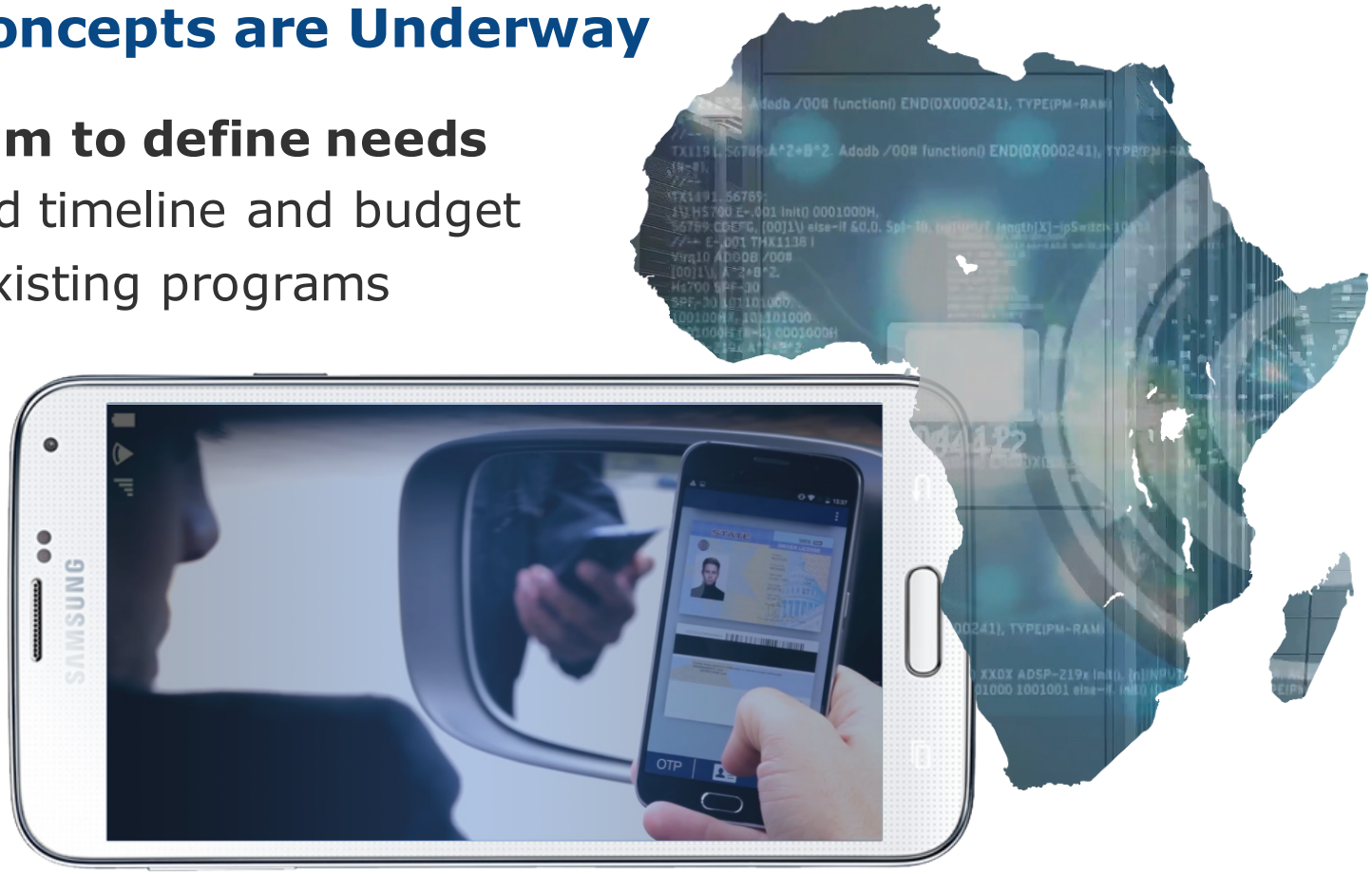
Africa Can Take the Lead

Technology is A Tool

Proof of Concepts are Underway

Pilot program to define needs

- Understand timeline and budget
- Build on existing programs



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It's Not Just the Phone.
It's the **Mobile Infrastructure.**

	Smartcard Infrastructure	Mobile ID Infrastructure
Complexity	• Highly technical • MNO agreements	• Standard devices • Security online • Interoperability via apps
Cost	Dedicated = **Expensive**	Standard = **Cost-effective**
Usage	Minimal transactions	No limits
Outcome	• Underutilization of technology • Underperformance • <ROI	• Expected significant cost savings • Performance maximized • ROI improves

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