



# MOBILE ID: NOT JUST ABOUT MOBILE DEVICES

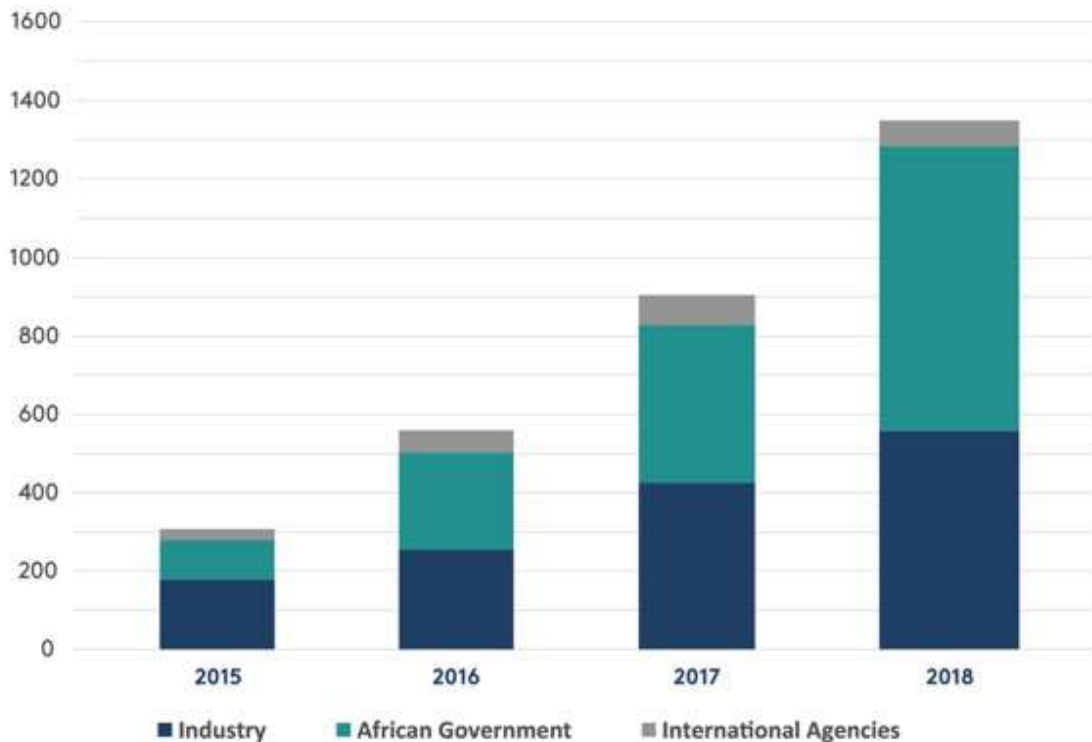
**Rob Garrigan**  
**Senior Vice President**  
**Credence ID**



*... because everyone counts*

# Rapid Digital Identity Growth is Undeniable

Growth in Delegate Number Since Inception



# Obvious Next Step: Leverage

Citizen eID



- *Financial services*
- *Social Safety Nets*
- *Health services*
- *Education*
- *Travel & Migration*
- *Mobile services*

# Obvious Choice – Mobile First



# Mobile Verification: Connecting the dots is HARD



- NDA, Purchases & Licenses
- Custom App
- Document SDK
- Biometric SDK
- Device SDK

## PROBLEM #1

# Developing Mobile Solution Ground Up



Evaluate multiple  
hardware



Learn and  
Integrate multiple  
SDKs



Develop lifecycle  
management  
tools



Develop  
deployment tools



Hope all  
goes  
well

## PROBLEM #2

Once you start, it doesn't get any easier

Ship



Devices are built  
and shipped

Register  
Serial number



Partner will have to  
register the devices' serial  
numbers in an inventory  
management system

Load software  
And certificates



Partner will  
have to install  
apps

Ship out

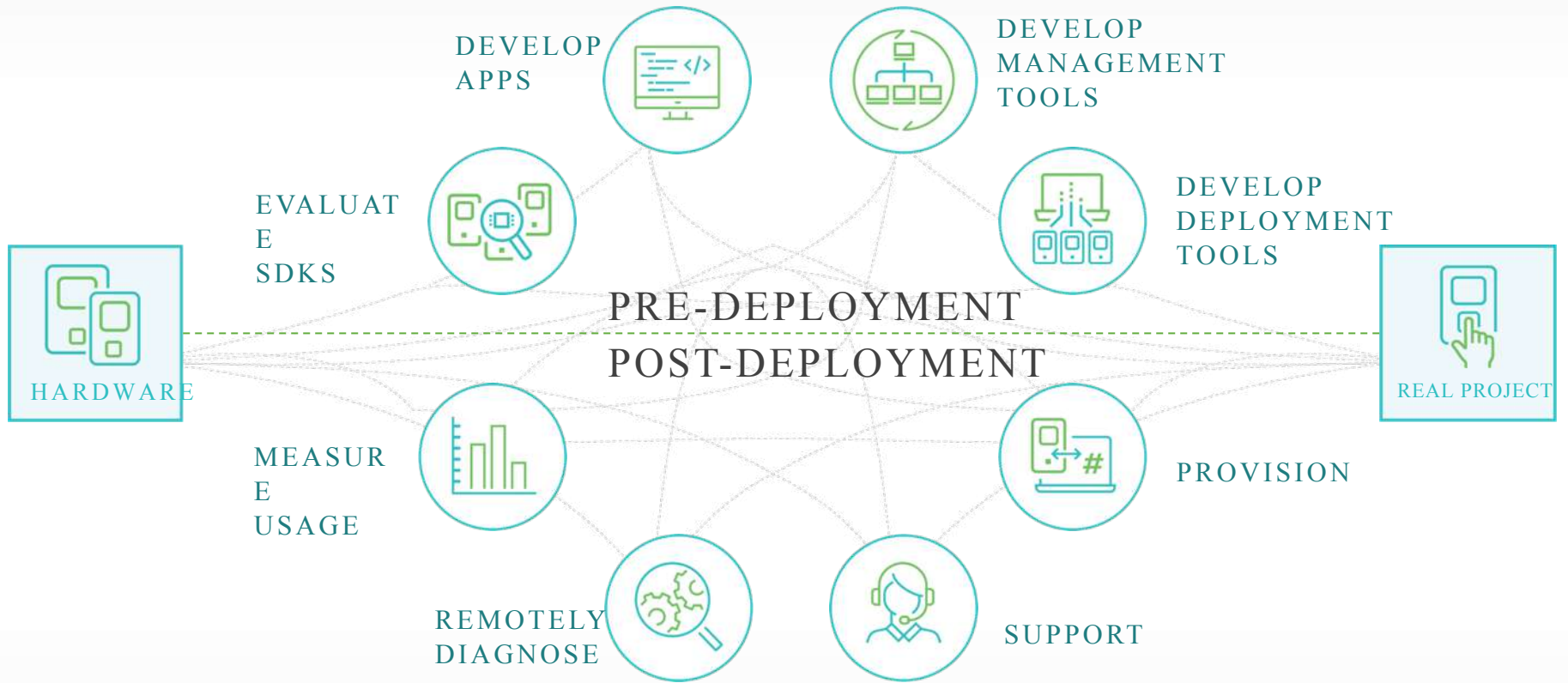


Once devices  
are shipped, no  
way to get  
feedback

Support



No way to  
remotely  
diagnose and  
support

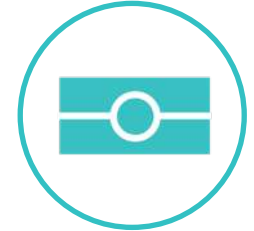
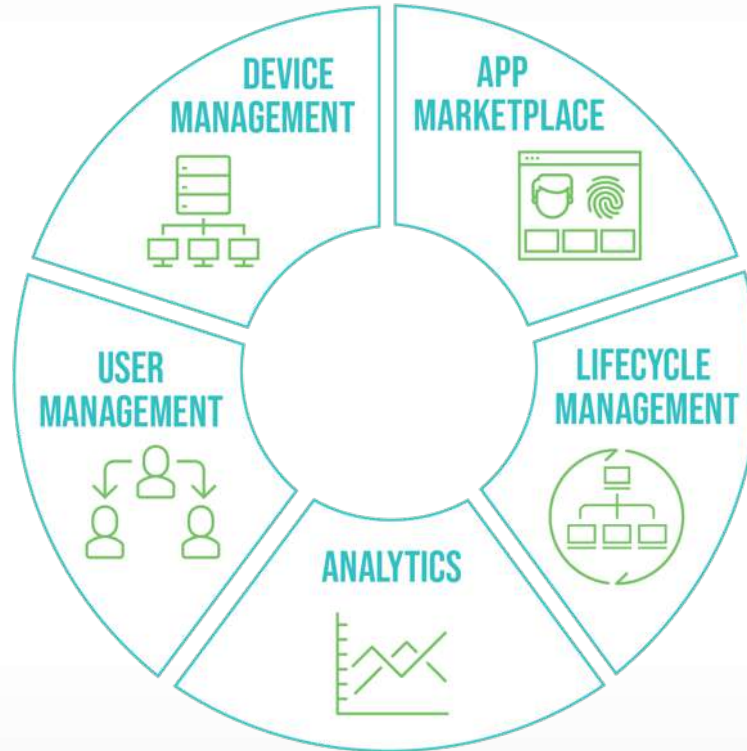




# What's Missing: A central hub for all Mobile ID needs



Mobile Hardware



Real World Project

# What is Needed?

A platform that  
brings together  
Mobile ID hardware  
and software



## PROVEN APPLICATIONS

- Biometric enrollment, identification and verification functionality
- Integrated document reading and authentication



## DEVICE MANAGEMENT

- Hardware: Deployment tools and remote diagnostics
- Software: Over the air update of OS and apps



## ANALYTICS & INTELLEGENCE

- Authentication activity reports
- Location-based intelligence
- Usage statistics



## MARKETPLACE

- Multiple biometric algorithm options
- Specialized secure document reading options

# Production Grade, Cloud-Connected, Personalized Mobile Biometric Apps

## Enrollment

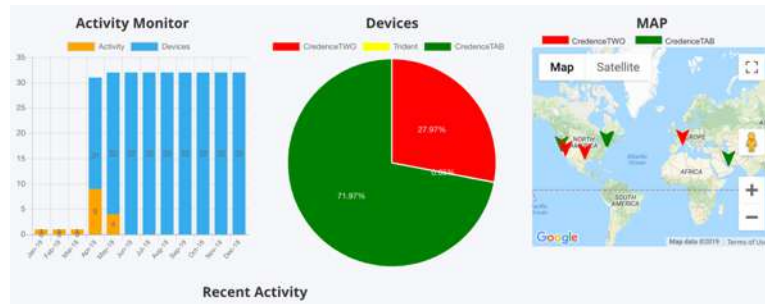
Enrollment screen showing user profile information and biometric sensors.

Fields: First Name (John), Last Name (Smith), Gender (Male/Female), Date of Birth (01/01/1999), Country (Afghanistan), State (Badkhashan), City (Ehkkashan).

Biometric sensors: Left Index, Right Index, Left Thumb, Right Thumb.

Buttons: Enroll Database, Enroll Card.

## Cloud-Connected



## Verification and Identification

Verification and identification screen showing user profile and document details.

Document details:

Document Number	Date of Expiration	Mother Name
20110000000000000000	2016-01-01	WOLUWA

Other fields: Last Name (FALL), Gender (F), Mother Family Name (ALMA), First Name (FATOU), Personal Number (770190000000), Father Name (NONE), Nationality (SEN), Place of Birth (DIOURBEL), Date of Issue (Wed Aug 11 00:00:00 PST 2011), Date of Birth (16/10/1986), Address (DOUGHA NAMA), Delivered By (NONE).

Buttons: Match.

# Ask the industry to make it a little easier...






Q-MOBILE ID

Please confirm your purchase

**ID4**  
Identity 4 Everyone  
6234 Appleview Rd.  
Los Angeles, 90043  
U.S.A.

Please confirm that the information on this purchase order is correct before placing the order.

Purchase order  
**PO#0001036**

#	Item Description	Qty	Rate	Amount
1	 Credence Device	10	199.00	1990.00
2	 Free CredenceCONNECT Subscription		FREE	FREE
3	 Free configurable App		FREE	FREE
4	 License for eID readout	10	99.00	990.00
5	 License for Biometric Matching	10	99.00	990.00
				3970.00

**CONFIRM ORDER**



# Need for scale: “Mobile ID as a Service”



A unified HW+SW platform enables  A pay-as-you-go subscription service

# Mobile Identity beyond the device

How many **patients** received healthcare **today**?

Did **government benefits** reach the **correct citizen**?

What percentage of **students** took their exam **yesterday**?

Are my mobile devices running the most up to date application?

How many bank accounts were opened last year?

Which border crossings are **most** active?

What **percentage** of devices were **active** every day?

How many SIM cards were **issued** in each city?



# Thank You