



From 1st eGate in the World to Future Smart Gates



ABCs Deployment Challenges in Malaysia

Presented by,

Mr. Lew Yung Sing

Director of Corporate Software Services

How we started our journey...

World's 1st
ePassport launched
in Malaysia



World's 1st Multi-
app eID launched
in Malaysia



World's 1st
ePassport with Bio
introduced in
Malaysia



World's 1st Passport
Handheld Terminal
with Intel Atom
Processors



1998

2000

2001

2002

2006

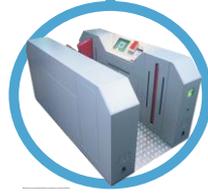
2009

2011

2013



Asia's 1st Fully
integrated Smart
Card
Manufacturing
Centre



World's 1st
Autogates
launched at KLIA



ATM application
in Malaysia's
MyKad



World's 1st
KiPPas launched
in Malaysia

More Than 15
Years of ePassport
Experience –
Unique in the
World!

The Problem Statement

Long queue at airport or land borders...

"This is the last thing I want after 15 hours of flight!"



"Does she really need to spend 10 min to process one Passport?"

"I should just relax my inspection to speed up the clearance"

"I need to go for a toilet break Now!"



eGate

- Secure
- Cost Effective
- Improve Productivity
- User Friendly



Challenges of First Adopter

1 Technical

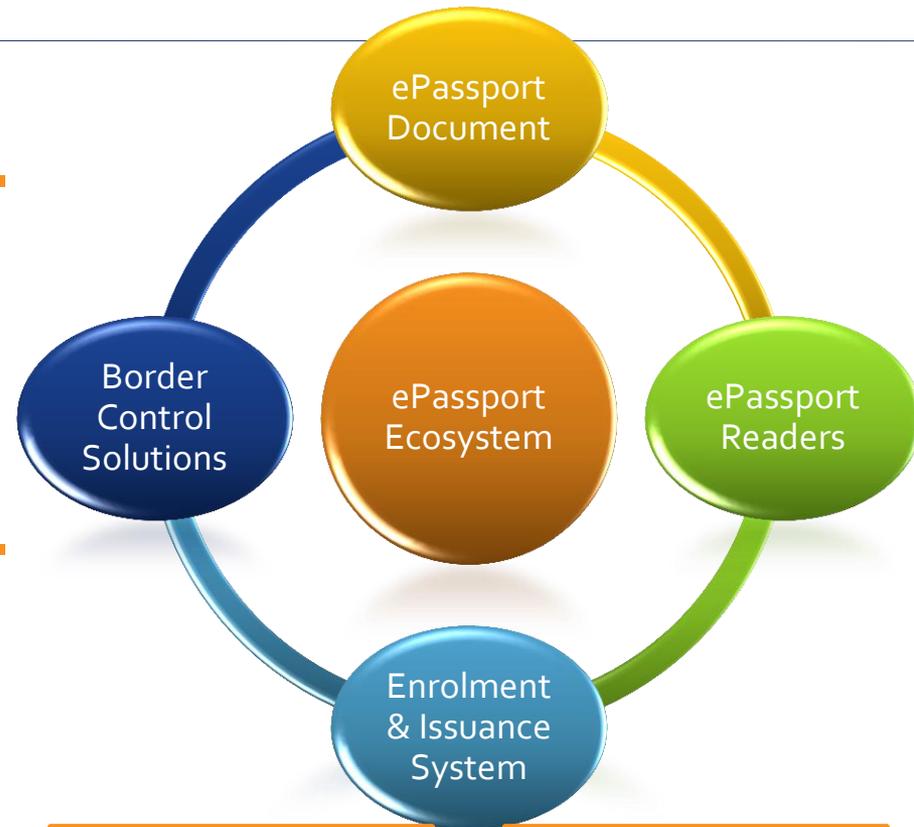
- Lack of International Standards
- Need to invent e-Passport Eco-system

2 Government Support

- New border control process – no stamping
- Integrity of verification process
- Security & Cost

3 Acceptance by Public

- Human versus Machine
- Confusion: E-Passport holders versus Normal Passport holders



Children



Senior Citizen

Evolution of eGates in Malaysia



1st Gen

2000

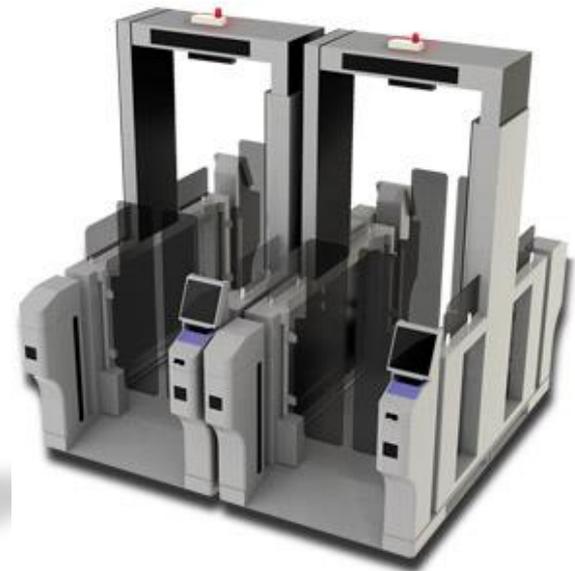
49 eGates



2nd Gen

2006

64 eGates



3rd Gen

TODAY

86 eGates

28 next year

Features Evolution



eG1000

- Photo
- Biodata



eG2000

- Photo
- Biodata
- Finger Prints
- BAC/EAC



eG3000

- Photo
- Biodata
- Finger Prints
- Facial Recognition with Auto-height adjustment
- Boarding pass scanning
- BAC/EAC

Deployment Statistics

Statistics

About 1 million passport verifications per month

Average 15 sec per transaction

International Airports

- 34 lanes at departure/arrival

Malaysia-Singapore Border Control

- 46 lanes
- Passengers travelling by public transport

Malaysia-Thailand Border Control

- 6 lanes

Counter based



Long Queue

eGate



Fast Clearance

Malaysia-Singapore Border Control



Variant of eGates

Malaysia Automated Clearance System (MACS)



1 Who?

- Non-Malaysian investors and professionals
- Permanent Residents
- Day trippers, students

2 What?

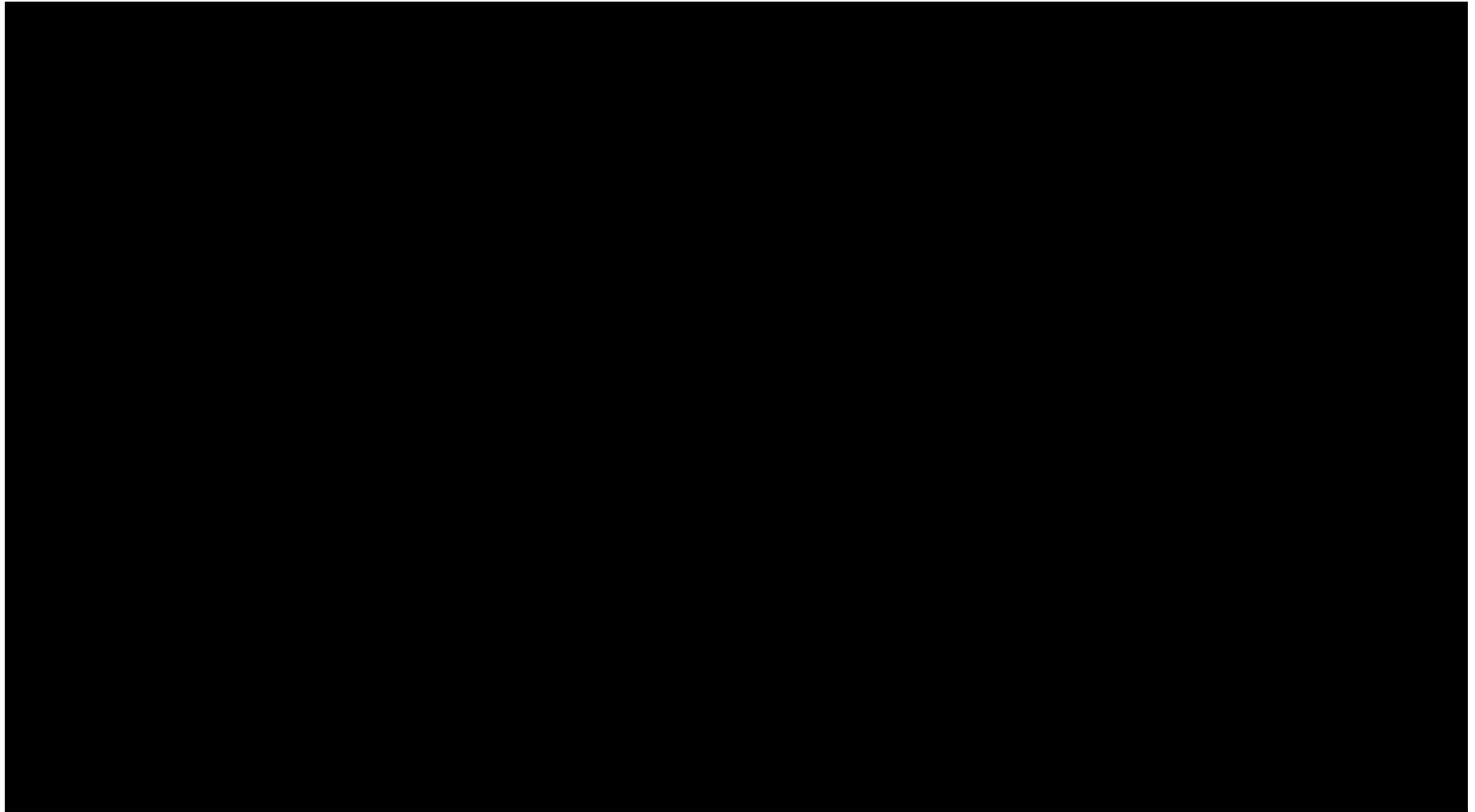
- Fast-track immigration clearance
- Sticker with embedded RFID attached to the passport

3 How?

- Autogate processing via dedicated MACS lanes

4 Where?

- Iskandar Development Region (IDR)
- Malaysia-Singapore Custom-Immigration-Quarantine (CIQ) check points





Malaysia



Senegal



Vietnam



Nigeria



Cambodia

IRIS

Border Control Management
System & eGate

- Based on proven technology
- Comply to International Standards
- High Security
- Improve productivity



Thank You

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Email : marketing@iris.com.my

www.iris.com.my