PintarID™
Border Management System

Globalization, tourism developments and economic interdependencies have led to growth in international travels and now it is in hands of governments to facilitate this process and bring convenience for low-risk high volume travellers around the world. Governments are also responsible for protecting their borders against ever increasing fraud, trafficking and criminal activities. This increases the importance of utilising state of the art technologies in order to boost borders security as well as anti-fraud screening. We believe effective border management as the key control mechanism of immigration, is only attainable when these processes are backed by interconnected automated systems in compliance with international standards.

Using best practices and lessons learned leveraging on years of experience in modernization, implementation and maintenance of an Award Winning Immigration Management System for the Malaysian Immigration Department, and through partnership with only the best in class technology providers; we have developed PintarID Border Management System.

PintarID Border Management System addresses the needs of border control agencies for a secured and efficient processing of travellers, balancing control and convenience requirements at both manual border control booth and automated gates.

Key Features

- Automatic data capturing using ICAO compliance document reader
- Automatic checking against national and international watch List databases and warn for high risk travelers
- Automatic visa requirement verification and validation
- Automatic detection of overstay status and enforcement of penalty
- Facilitate tracking of travelers' movement information
- Biometric Enrolment of travelers
- Registration of frequent travelers for Automated Border Control Gate

Arrival Info
Departure info

Watch List
Visa
Passport
Biometric

Border Management

Automated Border Control Gate (ABC Gate)

To accommodate border crossing traffic and to cope with convenience requirement and fast clearance of traveller queues at the border control points, ABC gates were introduced as part of Integrated Border Management. Automated Border Control is ' a fully automated system which authenticates the eMRTD, establishes that the passenger is the rightful holder of the document, queries the border control records, then automatically determines eligibility for border crossing according to pre-defined rules.

The auto gate acts as a self-service automatic border control system using biometric identification of passengers against their eMRTD or pre-registered information via PintarID Enrolment. the border control records, then automatically determines eligibility for border crossing according to pre-defined rules. The auto gate acts as a self-service automatic border control system using biometric identification of passengers against their eMRTD or pre-registered information via PintarID Enrolment.

Benefits

✔ Convenient service and better passenger experience for low-risk high volume travellers

✔ Faster clearance of queues at border check points

✔ Efficient assignment of Immigration officers' time, enabling them to focus on real security matters

✔ Reducing human intervention and therefore avoiding human errors

✔ Designed in compliance with ICAO recommendations to guarantee interoperability

Key System Components

Basic Components :

Is generally comprised of the gate body, swing doors, motors, sensors, tailgating detector and status indicator.

Authorization Terminal :

Located in the front of the gate, is comprised of a full-page passport reader and a LCD to guide the passengers on using the ABC Gate. The passport reader extracts MRZ data to verify eligibility to enter the gate.

Processing Terminal :

Is the data capturing and processing component, equipped with camera, biometric readers and ATB ticket reader. The system carries out biometric matching and /or facial recognition against the biometric data of the eMRTD or the registration database, and checks against watch lists.

Clearance Terminal :

This module clears the gate: if all controls are successful the second door of the gate is opened and the passenger passes the border. Otherwise the control post is warned for further action.

Control Post :

Operated by the officer, enables constant supervision and monitoring of several gates, where the officer is able to control and administer the gates when required.

Clearance Terminal

Processing Terminal

Authorization Terminal