MACH-SMARTACCESS®

Passenger Boarding Pass Access Control

leidos

Secure boarding pass access control

Growing passenger numbers mean that the challenges we face today will be different tomorrow. Moving passengers through an airport faster and more seamlessly – at a time when security and threat management requires ever more demanding scrutiny – is an unceasing challenge for airports globally.

Mach-SmartAccess is a scalable solution which is designed to cope with major increases of passenger traffic and improve passenger flow. Its modular design caters for single or multiple access gates to be configured for use at any security access point throughout the airport.

Dependent on the access point security level, the gates can be hosted or unhosted.

With Mach-SmartAccess gates, both passenger access and monitoring of passenger flows can be strategically positioned throughout the airport. Providing timely and accurate data, the information can be used by airport and airline management to review operations and performance of service level agreements.

The deployment of Mach-SmartAccess gates can assist airports to make queueing a thing of the past and create a positive travelling experience for their passengers.

SECURE ACCESS CONTROL

› Significantly reduces security checkpoint manning levels
› Improves operational efficiency with reduced queue waiting times
› Recognizes all new electronic media boarding pass data
› Optional biometric/facial/iris authorization
› Interfaces to airport systems for passenger authorization
› Enhances overall public, safety, security and service
› Real-time throughput and statistical data via security efficiency management system (SEMS)
› Deployed in a number of international airports
› Improved passenger satisfaction with simpler, quicker journeys
› Seamless integration into
› Mach-Secure® portfolio— Mach-SEMS®
› 3rd party applications

MACH-SECURE ADVANTAGE.

Mach-SmartAccess is a scalable solution that provides rapid return on investment, efficient management of boarding pass and access control and a greatly improved passenger experience.

With positive passenger experience of utmost importance, it is widely accepted that the efficiency of an airport is greatly enhanced when a controlled, secure and managed environment is provided. Mach-SmartAccess will help provide that environment.

OPERATIONAL EFFICIENCIES

Mach-SmartAccess automated control system improves operational security and efficiencies. Self-service Mach-SmartAccess gates can be delivered as single units for low volume check points such as priority access, boarding gates, lounges or grouped to provide secure and speedy access to high volume out bound security areas.

Dependent on the operational requirements, single or multiple access gates can be supervised or unsupervised, and configured to comply with the Americans with Disabilities Act, the U.K. Disability Discrimination Act, or other legislation to be accessible to passengers with restricted mobility, families, and staff/crew entry.
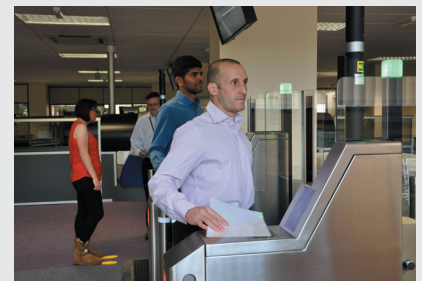
PASSENGER INTERFACE

Mach-SmartAccess control system provides intuitive information guiding the passenger through the gate process via a simple STOP/GO LED front mounted indicator and a dynamic passenger guidance display. The integrated scanner will read boarding passes in printed format and or on mobile devices.

BOARDING PASS VALIDATION

Mach-SmartAccess authorizes entry to valid scanned boarding passes. Validation is configurable to meet individual airport criteria based on flight number, time, date, airport terminal, "no-fly" lists and emergency evacuation.

Boarding passes that don't meet an airport's access criteria are guided to the local hosted gate for assistance. Mach-SmartAccess also interfaces to other host systems including bag reconciliation systems and airline databases.

BOARDING GATES

Mach-SmartAccess modularity allows it to easily scale up as your operations grow. For smaller operations, an optional printer can be integrated with the gate to provide passenger seat allocation prior to boarding. The easy storing of digital data in Mach-SEMS database enables passenger access lists for individual flights to be broadcast to the flight's boarding gate for airline staff to reconcile.

COMMON-USER DEPARTURE LOUNGE

A popular use for Biometric Enrollment is found in a common-user (departure) lounge environment, where domestic passengers mix with international transfer passengers, the latter barred from boarding domestic flights. By enrolling all domestic passengers at out bound security access points, access to domestic boarding gates or areas is restricted to enrolled domestic passengers only.

BIOMETRIC VALIDATION

Mach-SmartAccess can deliver a totally integrated biometric solution offering self-service enrollment and reconciliation access points and/or passenger with reduced mobility (PRM) enrollment and reconciliation access points.

Passengers rejected at self-service access points by positive reject and/or timeout will be directed to the locally manned PRM desk.

A wide variety of physiological biometric solutions are available including facial, finger print and near infra-red facial (NIR) recognition.

Any combination of these biometric features can be seamlessly incorporated into Mach-SmartAccess auto gates and/or Mach-SmartAccess hosted PRM gate desk.
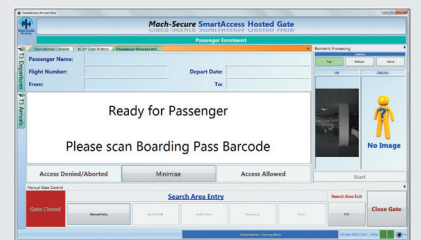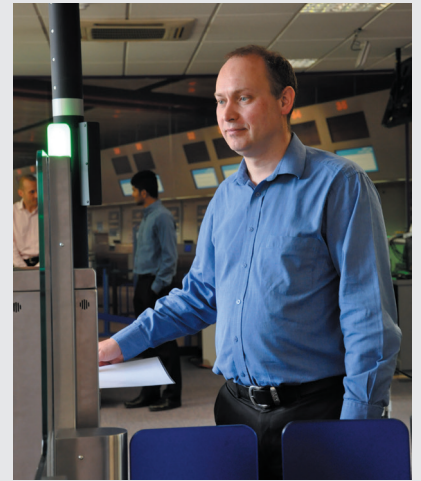
Surpassing human authentication, the system operates efficiently 24-hours a day.

March-SmartAccess integrates with any 3rd party biometrics systems

PASSENGER TRACKING AND STATISTICAL DATA

Mach-SmartAccess creates real-time log files of all events. Each event is 'time and date' stamped providing precise and accurate statistical data to inform airport/airline service level agreements..

Full statistical data, passenger ID, flight details, authorised throughputs, excluded access with reason, boarding pass category and much more is captured and held in Mach-SEMS database and can be shared with other authorized airport / airline host systems.

MACH-SECURE INTEGRATED
AIRPORT SECURITY SOLUTIONS

The Mach-Secure suite of products and systems will dramatically increase the overall efficiency of an airport's security systems while enhancing the passenger experience and lowering the operational costs.

›	Mach-SEMS®	Security Efficiency Management System
›	Mach-SmartLane®	Automated screening of PAX carry-on bags
›	Mach-SmartARCS®	Airport Regulatory Compliance System
›	Mach-SmartView®	Checkpoint directive search facility
›	Mach-SmartViewMatrix®	Centralized X-ray security screening
›	Mach-SmartAccess®	Intelligent access control
›	Mach-SmartSense®	Personnel tracker
›	Mach-SmartGate®	PAX validation to proceed through gate
›	Mach-SmartRoster®	Integrated workforce management system
›	Mach-SmartBRS®	Baggage Reconciliation System
›	Mach-SmartSAC®	Security audit and sortation system
›	Mach-SmartRegister®	PAX/airline spend profile and PAX locator
›	Mach-SmartTutorial®	In-situ security training in X-ray image analysis
›	Mach-SmartPredict®	Forecasting and planning solution for airport assets
›	Mach-SmartPupil®	Security vigilance monitoring system
›	Mach-SmartDrop®	Automated passenger bag drop
›	Mach-SmartFlow®	Queue analysis management system
›	Mach-SmartCargo®	Cargo streamlining and security compliance
›	Mach-SmartCore®	Security scanner performance data
›	Mach-SmartMotion™	Intelligent software simulation of PAX flow

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