



IDCS

REAL-TIME
INFECTION DETECTION
& CONTAINMENT SYSTEM

powered by **MORPH.ero** & **VANTIQ**



BE READY FOR THE NEW AIR TRAVEL FUTURE

Health checks may become the new norm. The IDCS solution integrates all kind of health screening devices (thermal cameras, mask detection systems, testing equipments...) and combines these with airport/airlines information to enable real-time collaboration and containment actions.

Why manual temperature screening alone is not enough:

- // Higher cost for staff and coordination
- // Safety and contamination risks for staff
- // Incompatible with Social Distancing
- // Higher processing times, if not integrated properly
- // Not a clear airport wide real-time picture available for taking safety actions



AN AUTOMATED, PRO-ACTIVE DETECTION SYSTEM IS NEEDED!

IDCS contains advanced capabilities for infection containment that go far beyond traditional safety measures:

- IDCS supports manual and automated temperature screening at all steps throughout the passenger's journey (Arrival, Departure & Transfer).
- IDCS enforces the IATA & ACI recommendations of a multi-layered approach to ensure bio-security at airports.

- With IDCS, airport authorities can simulate the potential impacts, backtrack on the passenger journey and immediately minimize the potential infection spread.
- The platform capabilities of IDCS ensure that any other bio-sensors or any health screening devices can be included to further increase passenger and airport safety

Benefits:

- // IDCS supports airports coming back to efficient operation.
- // The system helps ensure a safe passenger journey.
- // In case of an incident, IDCS allows for fast reaction times and instant prediction of consequences for containment measures.
- // With IDCS significant cost reductions can be reached through increased automation.
- // Finally, IDCS helps airports sustainably prepare for future pandemic situations.



The IDCS solution is a collaborative platform. Only through collaboration is it possible to involve all stakeholders and address the notifications required.



Key features:

- ✓ Integration of all health screening devices
- ✓ Location Determination
- ✓ Point-2-Point Tracking
- ✓ Area Closure RT-Simulation
- ✓ Spread Estimation
- ✓ Staff Alerting & Notification
- ✓ Airport Operations Collaboration

INTEGRATED WITH



Airport Operations



Typical Detection and Containment Scenario with IDCS



Incremental Agile Delivery Process - a first version can be made available quickly.

Standard Solution

Fit for Purpose

Ad-Hoc Inbound or Outbound Control

- Alerts of high temperature events
- Determination of contaminated areas for inbound or outbound passengers
- Display events and contaminated areas on a basic airport layout
- Identify affected flights by manual import of flight plans

DETECT - IDENTIFY - ALERT

Fit for Use

Real Time Airport Containment Management

- Determination of contaminated areas for transfer passengers
- Further alerts and stakeholder engagement
- Push alerts to external systems
- Improved visibility of potentially infected areas
- Automatic ingestion of flight and passenger data
- Real-time tracking of first responders

CONTAIN - COLLABORATE - INTEGRATE

Enhanced Solution

Fit for Experience

Total Airport Containment Management

- Re-routing options of passenger flows
- What-if scenario for containment measures
- Integration of additional biometrical and/or health check equipment
- Integration with location tracking systems (passenger/device tracking)
- Backtrace capability of passengers' journey through CCTV video feeds
- Enhanced functionality for determination of impacted passengers based on integration with booking/airline data for seat allocation
- Crowd and social distancing management

PREDICT - TRACK - EXTEND

2-3 WEEKS

WEEKS - A FEW MONTHS

OVER A FEW MONTHS



We'd love to hear from you. **Get in touch with us.**



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IDCS follows the biosecurity recommendations of IATA & ACI to perform regular, non-intrusive checks of body temperatures for departing, arriving and transferring passengers.



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