



BACK IN THE AIR

ICTS INITIATIVES FOR THE POST COVID-19 AVIATION SECTOR

The COVID-19 crisis is dramatically impacting the aviation industry. ICTS Europe – the aviation security specialists, the Company with Aviation DNA flowing in its veins, has set an objective for the organisation: To help the industry bring airplanes back to the air as soon as possible.



OUR JOINT OBJECTIVE: BACK IN THE AIR

We are addressing COVID-19 risks with solutions that will boost global confidence that “Flying is Safe”.

Our approach is modular and intended to benefit as much of the Aviation eco-system as possible. From airports, airlines, regulators through to competitors, our objective is a simple one – to address COVID-19 risks through pragmatic solutions and increase global confidence in air travel.

We would like to share with you the current initiatives we have taken in ICTS Europe and jointly with specialized partners.

Our team is ready to explore with you how these concept and products could be adapted to match your vision, objectives, plans and preferences.



SERVICE SOLUTIONS

POST COVID-19

FLIGHT RESERVATIONS

FOR PASSENGERS / AIRLINES



THE CHALLENGE

Countries will issue requirements for clearance of entry based upon COVID-related health criteria. The requirements will probably vary and eventually become dynamic. Reservation systems will need to provide quick, efficient and friendly feedback to passengers prior to their arrival to the airport in order to avoid last minute non-conformities resulting in refusals to fly.

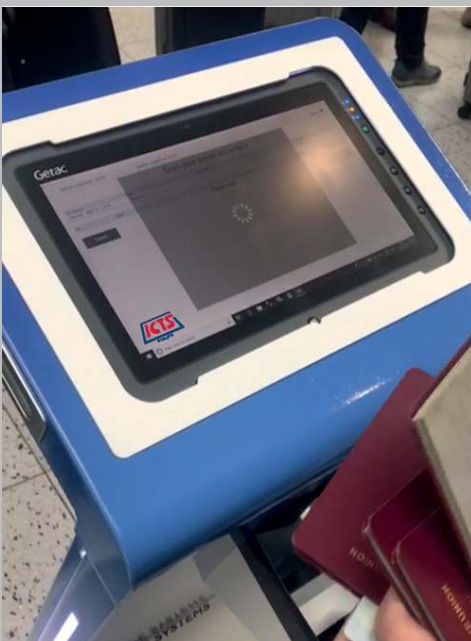
THE SOLUTION

The COVID-19 related health requirements are being continuously integrated into our TravelDoc software as well as Immigration conformity. It will provide feedback to reservation systems and to passengers on compliance with the health restrictions imposed by different countries.

We are constantly updating all known entry conditions, free of charge and accessible to the public, also on our website: www.traveldoc.areo

DOCUMENTS VERIFICATION

AND SECURITY PROCESSES AT THE AIRPORT



THE CHALLENGE

As the volume of passengers grows, the handling of travel documents raises the risk of contamination to passengers and security agents, at touchpoints such as:

- Inspection of passports by security agents
 - Placement of passports on self-service kiosk scanner
 - Handover of passport to check-in agents for printing boarding pass and bag tags
 - Checkpoint hand search
- Handing passports to airline staff for reconciliation at the gate.

THE SOLUTION

ICTS developed a Software Development Kit (SDK) - CoviDoc - that can be embedded in existing airlines' applications, allowing for:

- Contactless check-in process
- Contactless self-service kiosk, including printing of boarding card and bag tags
- Contactless reconciliation at the Gate
- Touchless biometrics for identification and body temperature verification



SERVICE SOLUTIONS

POST COVID-19

SANITATION

OF BAGGAGE, EQUIPMENT, AND SURFACES



THE CHALLENGE

Airports are searching for efficient means to disinfect areas and surfaces to reduce the risk of contamination through baggage handling, use of kiosks and physical contact with airport facilities. Airlines are also seeking quick, efficient means to disinfect aircraft between flights.

THE SOLUTION

A new ICTS joint venture will offer new capabilities and expertise on UV light sanitation technology that will allow rapid, safe and effective disinfection of:

- Aircraft cabin
- Catering trollies
- Rooms, offices and corridors
- Kiosks touchscreens and passport scanners
- Luggage items upon arrival to destination

SOCIAL DISTANCING

ENFORCING GUIDANCE AT AIRPORTS



THE CHALLENGE

Social Distancing guidelines may be issued to Airport environments.

Airports and Airlines may need to put measures in place ensuring that passengers, staff and visitors are meeting these guidelines swiftly, appropriately, and effectively.

THE SOLUTION

An ICTS joint venture will offer new software and live streaming capabilities for use within Airports. The solution combines video analytics software and AI with our operational presence. Key features include:

- Geo fencing capability to identify and monitor areas where people gather, or do not adhere to guidelines.
- Group of people detection capability
- Enforces containment rules based on required parameters.

THE CHALLENGE - PASSENGERS

'Health Certificates' or the absence of COVID-19 symptoms might become a prerequisite to board a plane. Airlines and airports would need to reduce the risk of propagation by detecting passengers that might pose a health risk and by taking the appropriate measures following such detection.



THE SOLUTION

ICTS developed comprehensive, multi-layered approach for detecting risk passengers, combining technology, processes, and specialized personnel:

- PNR-based risk evaluation based on analysis related to passenger routing prior.
- Unique vital signs detection technology, with high-flow, crowd observation capacity
- Body temperature measuring technology - independent kit or embedded in a self-service kiosks
- CoviDetAct – a new behavior and appearance detection technique, designed to identify – and resolve – health risk signs
- CoviDetAct Agents, aided by thermal cameras, to confirm or resolve health signs detections in a safe and passenger-friendly

DETECTION OF COVID-19 SYMPTOMS PASSENGERS AND STAFF

THE CHALLENGE - STAFF

'Health Certificates' or the absence of COVID-19 symptoms might become a prerequisite of entry of staff and crews into the workplace / restricted areas. Airlines and airports would need to reduce the risk of propagation and comply with health regulations by detecting Staff or Crew that might pose a health risk and by taking the appropriate measures following such detection.

THE SOLUTION

ICTS developed comprehensive, multi-layered approach for detecting Staff or Crew with health risk, combining technology, processes, and specialized personnel:

- Document /token/QR based validation of status
- Unique vital signs detection technology, with high-flow, crowd observation capacity
- Body temperature measuring technology - independent kit or embedded in the process
- CoviDetAct – a new behavior and appearance detection technique, designed to identify – and resolve – health risk signs
- CoviDetAct Agents, aided by thermal cameras, to confirm or resolve health signs detections in a safe and -friendly manner



BACK IN THE AIR



FLIGHT RESERVATIONS

FOR PASSENGERS / AIRLINES

TravelDoc:

- Checks passenger's documentation against travel restrictions imposed by the authorities in the transit or destination country.
- An online Travel Document Rule Library (APP or Web) that displays each country's immigration, health and safety and customs rules is also available.

DOCUMENTS VERIFICATION

AND SECURITY PROCESSES AT THE AIRPORT

- CoviDoc + Security
- Regulated Questionnaire Covid
- Face recognition SDK in APP
- RBHF (remote breathing, heart rate, fever)
- Contactless doc validation (TravelDoc, CoviDoc)
- Ongoing observation for COVID-19 signs detection
- Clearance and documentation security + CoviDoc
- APIS, Contactless ID bagtag printer (ICTS mobile unit)

SOCIAL DISTANCING

ENFORCING GUIDANCE AT AIRPORTS

- Unique software and live streaming capabilities
- AI based detection capabilities can identify and monitor multiple areas
- Can be implemented using existing infrastructure
- Combination of software and services
- Remote monitoring capabilities
- Quickly identify and address areas where guidelines are not being adhered to

SANITATION

OF BAGGAGE, EQUIPMENT, AND SURFACES

- Closed space virus and virus disinfection system is based on UV radiation.
- The system is UV based
- The autoclave operates at 360 degrees
- Can be mounted on a towing wagon
- Can be developed its robotic-autonomous version and move to serial production
- Advantage, as opposed to chemical purification, is that you can use the room immediately afterwards.

DETECTION OF COVID-19 SYMPTOMS

PASSENGERS AND STAFF

- Measure the distance of the tested pulse, body heat, positioning and breathing rate.
- Fusion all the indices from the various sensors
- Discover the symptoms of a remote corona patient without human contact.
- The test data is displayed on a remote monitor
- Only Pax touches bag procedures
- Bag search with necessary H&S equipment