

Taking off with Digital Identity

HOW A SINGLE ID WILL TRANSFORM AIR TRAVEL

WHY IT IS **UNPLEASANT TO FLY NOW**

When travelling, the journey is often as important as the destination. We want the trip to be safe, secure, and seamless. We want to be treated with the best service so that our business trips and holidays will be enjoyable.

More people are flying today, and airports are struggling to cope with the load. With heightened security threats, passengers are asked to go

through more checks and screenings. All this leads to a poor flying experience.

As passenger numbers increase steadily, the problem will grow. As many as 7.8 billion passengers will travel in 2036, a near doubling of the 4 billion air travellers in 2017, according to the International Air Transport Association (IATA).







unauthorised passengers are deported back, at a cost to airlines.

Why NEC

Not all biometrics technologies are the same. NEC's high-quality algorithms have been proven in numerous deployments worldwide in a variety of settings, including aviation. A trusted vendor, we deliver real-world performance using the latest cutting-edge technologies.



lead to customer loyalty.



Fast and accurate (NIST)

Proven Over 700 Systems across 70 countries

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service and anagement	Airports
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rly II	Airlines







Trusted Partner Deployment at over 25 Airports

Seamless travel with Digital Identity 🄶

Getting Ready

After making a booking, a traveller gets started on her journey with her smartphone, where she opts-in to register her face and passport along with her travel information such as flight information.





Information entered earlier is verified along with the passenger and passport using face recognition at the airport. From here, her face is her ID for all checkpoints.



Shopping

& Leisure

passengers can relax and enjoy

With less time queuing,

their time until departure.

no need for documents.

Passenger is automatically identified when she approaches an airline lounge or retail shops, where she can receive customised service. Again,

5.

Bag Drop З.

At a self-service kiosk, she scans her face to confirm her identity and the information is tagged to her bags, which she drops off at the kiosk.



Border Control 4. & Security

At immigration/border control, facial recognition is used to check the passenger's identity against the Government databases. Security screening is dictated by risk. Passengers can be prompted for further checks, if necessary.









With a face scan at the gate, she gets the greenlight to board a plane. This ensures only the right passengers get on the plane.



Once she lands at the destination, this Digital Identity can also be extended for secure identity management based on face recognition across hotels check-ins, car rental and theme park entry.

KNOWING YOUR PASSENGER

Airports and airlines have to be ready for the passenger growth, while watching operational costs, finding new revenue streams and improving passenger flow by offering a seamless experience.

If passengers can identify themselves digitally and physically with a Digital Identity for all stakeholders, they can enjoy a frictionless trip through the checks. This way, the flow of passengers at the airport would be seamless, efficient and secure.

NEC Digital Identity technology enables a passenger's biometrics (facial recognition, for example) and travel information to be captured on a single record. This can then be used as a trusted token to identify him to each stakeholder easily. In future, this token can also be tied to a trusted National Digital ID making it more secure.

At every step of the journey - whether during self-bag-drop, at border control or aircraft boarding - a passenger can simply complete a facial scan without having to provide his passport or boarding pass. His face is his ID.





Repetitive processes are eliminated, touchpoints are reduced and queues are shortened.



Instant verification cuts the time spent on manual ID checks, reducing manpower demands and boosting capacity at airports.

Biometrics offers improved security. Face recognition

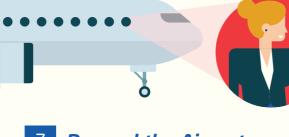
with liveness detection now spots spoofing.

Trusting your face



NEC's face recognition has been proven across different scenarios, from airports to stadiums, in providing accurate matches.

It brings security with efficiency, allowing those who are authorised to enter without delay and identifying others on a watchlist effectively.





One ID makes it harder to cross borders under a false identity, reducing crime.

MANAGING THE

Behind the simplicity of the experience is a sophisticated ID management system that has to be set up to store, secure and process the IDs as a traveller passes through various checkpoints in his journey.

With each stakeholder. the data is shared on a need-to-know, authorised-to-know basis, ensuring the private data is protected.









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