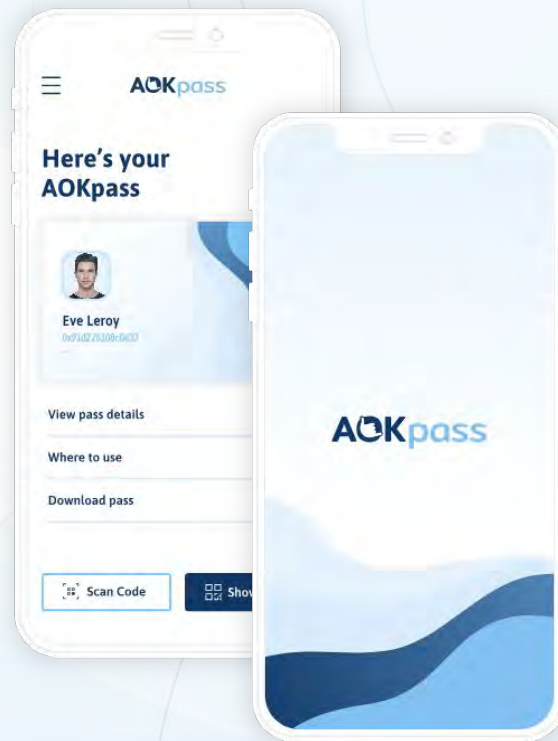




Secure - Private - Portable
Digital Health Status Pass

***A Global Standard for a Safer & More
Efficient Return to Travel, Work & Play***



A unique coalition of Founding Partners



Secure - Private - Portable COVID-19 Compliance Status Pass

ICC AOKpass is a digital [COVID-19 Compliance Status](#) pass on your mobile phone (or can be a printed QR code for those without phones) that is built on a user controlled, privacy preserving, blockchain enabled mutual verification system ensuring patient protection and GDPR compatibility. [It can hold verified test results, vaccination records or any health certificate.](#)



The world's largest business organization representing 45 million companies and more than 1.2 billion employees globally, the International Chamber of Commerce (ICC) is uniquely positioned to effectively encourage the uptake of standards like AOKpass at scale



The world's largest medical and travel security services firm, with 90,000 accredited clinics globally, 12,000 organisations and two-thirds of the Fortune Global 500 companies as clients, 5 million assistance calls every year, 11,000 employees in 1,000 locations in 90 countries worldwide.



SGS is the world's leading inspection, verification, testing and certification company. SGS is recognized as the global benchmark for quality and integrity. With more than 94,000 employees, SGS operates a network of over 2,600 offices and laboratories around the world.

Key features of ICC AOKpass

- 1 **Privacy-preserving & GDPR compliant** with all personal health data stored only on the User's phone under their exclusive control
- 2 **Interoperability** is possible for **any use case** applying our certificate-based framework that can integrate any verification & authentication standard or solution.
- 3 **Global medical provider network** via Intl SOS Global Assistance Network of over 90,000 accredited clinics & labs
- 4 **Secure authentication & verification** done via an incorruptible, immutable & highly scalable blockchain solution to prevent fraud
- 5 **Accessible form factors** caters for all types of Users with or without a smartphone using both digital & hard copy protocols
- 6 **Integration-lite approach means** clients and partners **do not** need to modify existing data infrastructure or data storage



COMPARISON WITH KEY COMPETITORS

AOKpass is more operationally advanced & versatile than any of its competitors

	AOKpass	CommonPass	IATA Travel Pass	VeriFly
Privacy-preserving	✓	✓	✓	
Global Medical Network Partners	✓			
Country Level Pilots	✓		✓	
Airports & Airlines Pilots	✓	✓	✓	✓
Both Testing & Vaccination Deployments	✓			
Usable for Return to Travel, Work & Play	✓			
Rules Engine Capability	✓		✓	

Benefits to piloting & partnering



We are creating an interoperable global standard

With the International Chamber of Commerce, Intl SOS, SGS and multilateral partners, our global network is unparalleled for the creation of interoperable standards. Our certificate-based system is also purpose-built to readily interoperate with any verification and authentication standard.

User controlled, GDPR compatible

ICC AOKpass is a user-controlled, blockchain-enabled, mutual verification system for the secure sharing of medical information. All information is controlled by the user but attested to by approved health providers, and verifiable to prevent fraud while preserving privacy

Flexible digital COVID cert framework that evolves

We have built a flexible and operational production-ready platform that can evolve with local regulations, medical science and industry best practice as they evolve. We are not offering an immunity pass but a secure COVID compliance framework which can work with tests and vaccines.

Simple & intuitive user experience

Creating, using and verifying COVID health certs for any purpose is easy, intuitive and fast. Creating a pass at the lab can be done in minutes. Presenting and verifying a health pass takes just a few seconds and can use any mobile smart device.

Unparalleled experience with client onboarding

AOKpass has already onboarded major airlines, airports, clinical/lab networks and corporate clients globally. No other COVID health cert solution provider has achieved this at comparable scale or scope. Our onboarding processes can be rapidly accomplished with minimal disruption to existing internal systems and process workflows.

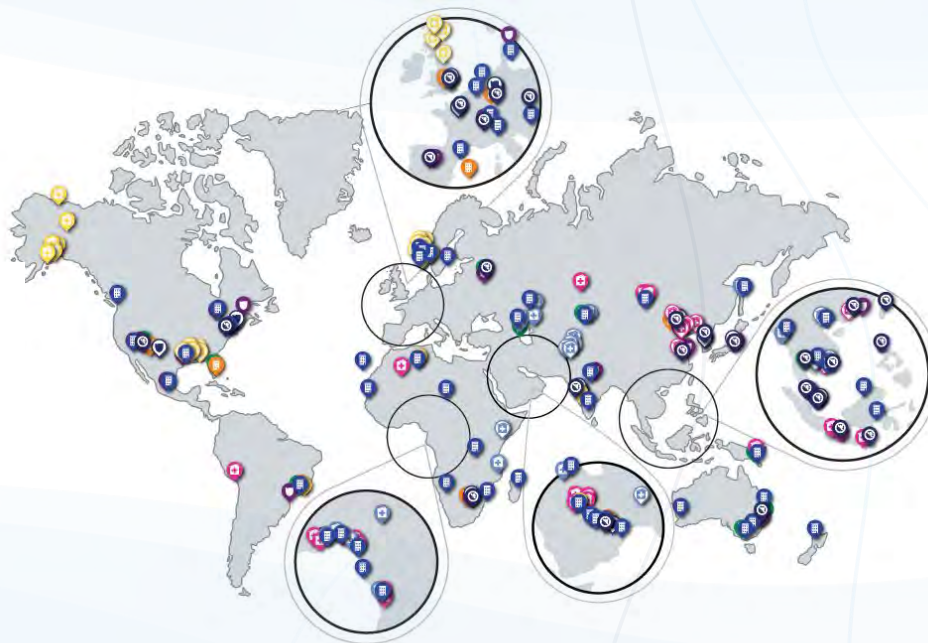
Future digital asset for ALL health certs

AOKpass uses a certificate-based wallet system that can easily accommodate **any** test result, vaccination record or other type of health record beyond COVID-19, allowing users to privately, securely and easily verify their health status with 3rd parties.

Supported by Intl SOS Global Assistance Network globally for end-to-end AOK integrity



- International SOS office
- International SOS assistance centre and office
- Security Intelligence & Operation centres
- Security Operations (dedicated security specialists)
- International SOS Primary Care and Occupational Health Clinic
- International SOS Occupational Health Clinic only
- International SOS Primary Care Clinic only
- Joint Venture Primary Care & Occupational Health Clinic
- Joint Venture Occupational Health Clinic only
- Joint Venture Primary Care Clinic only
- MedAire office



Intl.SOS has been assessing over **90,000 medical facilities** for its operation with an experience since 1985 and trusted by 70% of Fortune 500, the WHO & Governments

TRACTION - AIRPORT NETWORKS

Our existing partners have a presence in over 140 airports worldwide



AOKpass a key contributor for global multilateral interoperable standards for health passes



Multilateral Working Groups for Restarting Mobility

With the ICC leading, AOKpass is working with peak international industry and sector organisations, including the **European Commission, IATA, ICAO, G20/B20, OECD, WHO, WEF, WTTC & UNWTO**. We also actively engaged with other multilaterals such as **ACI, SICA, SIECA, UN ESCWA**, etc.

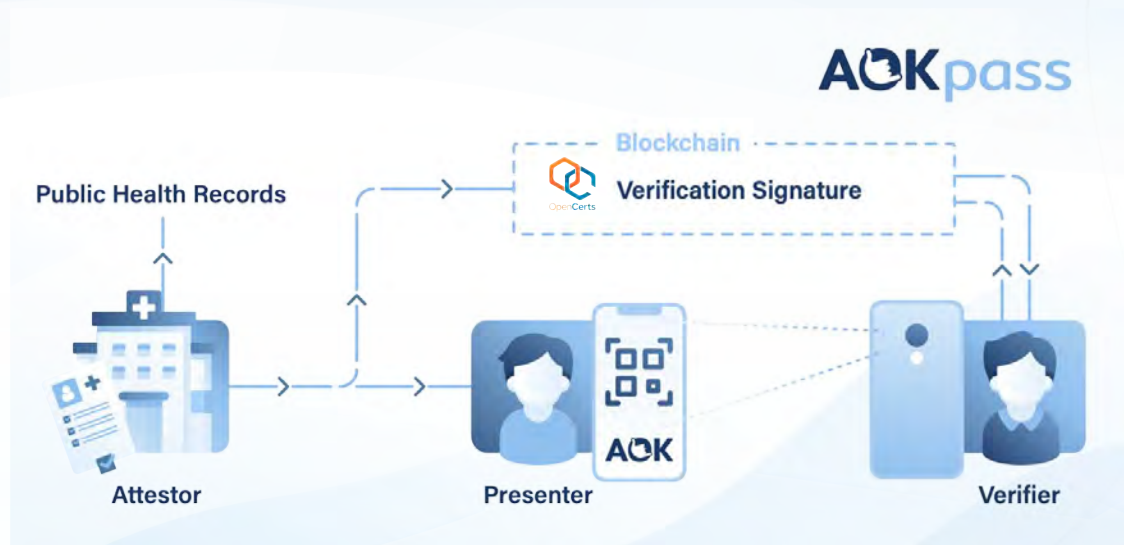
WHO eCerts Technical Panel & ISO Digital Health Standard 215

AOKpass is part of the recently established **WHO Technical Panel for vaccination eCerts** and is also a Category A contributor to the **ISO standard 215** technical working group covering medical informatics.

Sovereign Advocacy & Regulation

AOKpass has supported direct advocacy with over **30+ national governments** for the development and implementation of COVID compliance regulation and certification systems. ICC and AOKpass lobbying were instrumental in the passing of regulations for mandatory [pre-departure testing in Italy](#). AOKpass was also the [world's 1st use of a digital COVID-19 certificate](#) for immigration purposes between Japan and Singapore with direct support from the Singaporean government.

ICC AOKpass can hold multiple Test or Vaccine certs



AOKpass FEATURES

Privacy-preserving

Secure (anti-fraud)

Digital portability

Contact-less

Automated Identification

- 1 Download the AOKpass app to your mobile phone and record your relevant details.
- 2 Declare your health status. If needed, visit a medical professional. Your records will be stored on your phone.

- 3 Results are available for certification / approval via the AOK system. Your clearance status is now available for you to use whenever needed
- 4 The use of a digital signature allows tracing of application activity for safety and/or compliance purposes.

AOKPASS

Architecture Built for Interoperability



Issuer Standards

On-site
(airport)

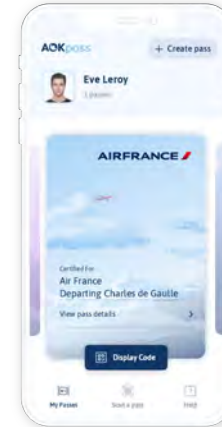
Lab #1
(AOK native)

Lab #2
(HL7 API)

Clinic
(vaccination)



(printed option)



Verifier Standards



TRACTION - OPERATIONAL DEPLOYMENTS

Deployments launched & in advanced development across 13 countries



Maritime Travel (Q3 2020) E-Drill Oil & Gas (Singapore to Thailand ship)



Flu & COVID Vaccinations (Q3 2020 - Q1 2021) - Intl SOS (Singapore & Geneva), Sanofi Pasteur (Philippines), WHO (Geneva)



Singapore Immigration Checkpoint Authority (Q4 2020) - AOKpass can now be scanned to allow entry to Singapore from Indonesia, Malaysia and Japan.



Air Travel



(Q4 2020) Etihad Airways - Paris (CDG), Abu Dhabi (AUH), Pakistan (ISB), Pakistan (LHE), Pakistan (KHI)



(Q4 2020) Alitalia - Rome (FCO), New York (JFK), Dubai (DXB), Abu Dhabi (AUH)



(Q4 2020) Singapore Airlines - Japan to Singapore for world's 1st use of a digital health pass to cross immigration



(Q1 2021) French airlines - Groupe ADP, Paris (CDG), San Francisco (SFO), Point-a-Pitres (PTP), La Reunion (RUN), Fort de France (FDF), French Bee, Air Caraïbes & Air France.



(Q2 2021) Air France & Eva Air - San Francisco (SFO), Los Angeles (LAX), Paris (CDG), Taipei (TPE).



(Q2-3 2021) Cathay Pacific Hong Kong (HKD) to Singapore (SIN) travel corridor



Country Pilot (Q1 2021) City of Girona, Spain (population ~800k) for city-wide return to economic activity & public events, including restaurants, cinemas and sports matches.



Successful Maritime Pilot: Singapore to Thailand



PTTEP and Songkhla Port authorities in Thailand verified the crew's AOKpass QR code (for the COVID-19 test done in Singapore) and **agreed to a 6-day reduction in quarantine period on arrival in Thailand - cutting down days on the rig**

“WOW!!! Thank you. The guys will be elated. Especially 2 of them who have been on the rig for 5 months without a day off!”

Alex Maroske, Crew Manager



1 EDrilling crew members get a PCR test (nasal swab) for COVID-19 from quality assured Singapore medical provider (Raffles Hospital)



2 Medical staff approves the AOKpass, which creates a universal and verifiable authentication signature



3 The destination port authority confirms the AOKpass authentication of the mariner record. Upon confirmation, the user is approved for entry.

Successful Pilot: Vaccination Verification Programs



Pilot Site:	Partner:	Group:	Vaccine:	Go-Live:
St. Luke's Medical Center, Philippines	Sanofi Pasteur	Frontline healthcare workers	Influenza	5th Oct 2020
International SOS, Singapore	International SOS	International SOS employees	Influenza	6th Oct 2020
International SOS, Global	International SOS	International SOS employees	Influenza	10th Feb 2021
WHO Headquarters, Geneva	WHO	Site employees	COVID-19	Q1 2021

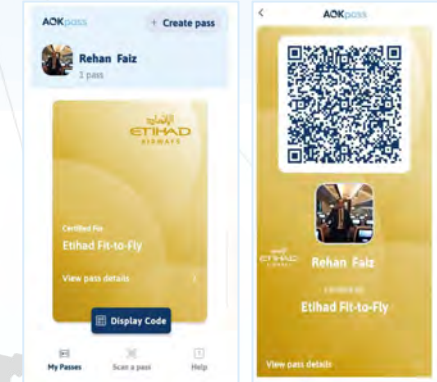


Live Air travel Pilots: Etihad Airways



Departure:	Destination:	Airline:	Go-Live:
Pakistan, ISB	Abu Dhabi, AUH	Etihad Airways	Live September 2020
Pakistan, LHE	Abu Dhabi, AUH	Etihad Airways	Live September 2020
Pakistan, KHI	Abu Dhabi, AUH	Etihad Airways	Live September 2020
Paris, CDG	Abu Dhabi, AUH	Etihad Airways	4th February 2021

Etihad Fit-to-Fly certificate



AOKpass user guides in English and Urdu



Live Air travel Pilots: Air France

AIRFRANCE



SGS

Departure:	Destination	Airline:	Go-Live:
Paris, CDG	Pointe-à-Pitre/Fort-de-France	Air France	Q1 2021
Paris, CDG	San Francisco, SFO	Air France	Q1 2021
Paris, CDG	Los Angeles, LAX	Air France	Q1 2021
San Francisco, SFO	Paris, CDG	Air France	Q1 2021
Los Angeles, LAX	Paris, CDG	Air France	Q1 2021



Air travel Pilots: Groupe ADP (Paris Airport)

Departure:	Destination	Airline:	Go-Live:
Paris Orly	Pointe-à-Pitre Fort-de-France La Réunion Cayenne	French Bee	Q1 2021
Paris Orly	Pointe-à-Pitre Fort-de-France La Réunion Cayenne	Air Caraïbes	Q1 2021
Saint-Denis, La Reunion	Paris Orly	Corsair	Q1 2021
Paris Orly	Pointe-à-Pitre Fort-de-France La Réunion Mayotte Abidjan, Côte d'Ivoire	Corsair	Q1 2021



Air travel implementation: Groupe ADP (SFO – LAX - CDG)



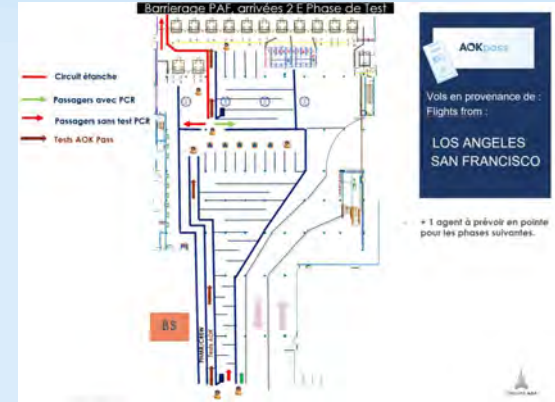
SFO and LAX



AirFrance (additional carriers)



CDG



Live Air travel Pilots: ADR (Rome Airport)



Bilateral route:		Airline:	Go-Live:
Rome, FCO	New York, JFK	Alitalia	Live since 11 January 2021
Rome, FCO	Dubai, DXB	Alitalia	Q1 2021
Rome, FCO	Abu Dhabi, AUH	Alitalia	Q1 2021



STATISTICS FOR FIUMICINO AIRPORT



21,354

No. of Flights (Jan 2020)



71

No. Countries (Jan 2020)



319

No. Routes (Jan 2020)



110

No. Airlines (Jan 2020)



Air travel Pilots: Eva Air



Bilateral route:	Airline:		Go-Live:
Taipei, TPE	San Francisco, SFO	Eva Air	Q2 2021
Taipei, TPE	Los Angeles, LAX	Eva Air	Q2 2021



Air travel Pilots: Hong Kong to Singapore

Departure:	Destination:	Airline:	Go-Live:
Hong Kong, HKG	Singapore, SIN	Cathay Pacific	Q2 2021

STATISTICS FOR HONG KONG AIRPORT



Over 200
destination worldwide



71.5m
passengers handled (2019)



419,795
air traffic movements (2019)

STATISTICS FOR SINGAPORE AIRPORT



Over 400
destination worldwide



68.3m
passengers handled (2019)



382,000
air traffic movements (2019)



amadeus

Context: One of the top ten travel technology companies in the world operating in 190+ markets. Global customer portfolio comprises of airlines and airports, hotels and railways, search engines, travel agencies, tour operators and other travel players.

Goal: Digital pass verification solution with API integration to Amadeus portal.

Timeline: Collaboration commenced Q2 2021

SITA

Context: World's leading specialist in air transport communication and information technology. An extensive global network covering 95% of international destinations across 1000 Airports, 200+ countries & territories.

Goal: Digital pass verification solution with API integration to SITA IT solutions.

Timeline: Collaboration commenced Q2 2021

AOKpass Airline Alliance Partner



STAR ALLIANCE

Context: World's largest global airline alliance with network beyond the 1,300 airports currently served by the Alliance's 26 member airlines.

Goal: Digital pass verification solution.

Timeline: Integration commenced Q2 2021



Country Pilots: Catalonia (Spain)



Pilot Region	City of Girona in Catalonia, Spain with population approx 800,000
Use Case	Restart of economic activity & large scale public events
Start Date	Commenced 27 January 2021 (sandbox deployment Q2 2021)
Details	Antigen tests & COVID vaccinations to be provided by pharmacists & AOKpass used to verify authenticity and validity (48hrs for tests & 6 months for vaccines)
Partners	Girona Chamber of Commerce, Girona City Council, Girona Professional Association of Pharmacists, local businesses & venues, and Catalanian Blockchain Centre

Girona Pilot announcement

[OECD Spain announcement citing AOKpass as a model solution for COVID digital health passes](#)





World Health
Organization

Context: The World Health Organization is a specialized agency of the United Nations responsible for International Public Health

Need: Verify vaccines & vaccination documentation

Goal: Test & implement global authentication technology for vaccines & vaccination

Pilot site(s): WHO headquarters, Geneva

Timeline: Q1 2021



SANOFI

Context: Sanofi-Pasteur is the world's oldest & largest vaccine developer & manufacturer as well as leading COVID-19 vaccine candidate.

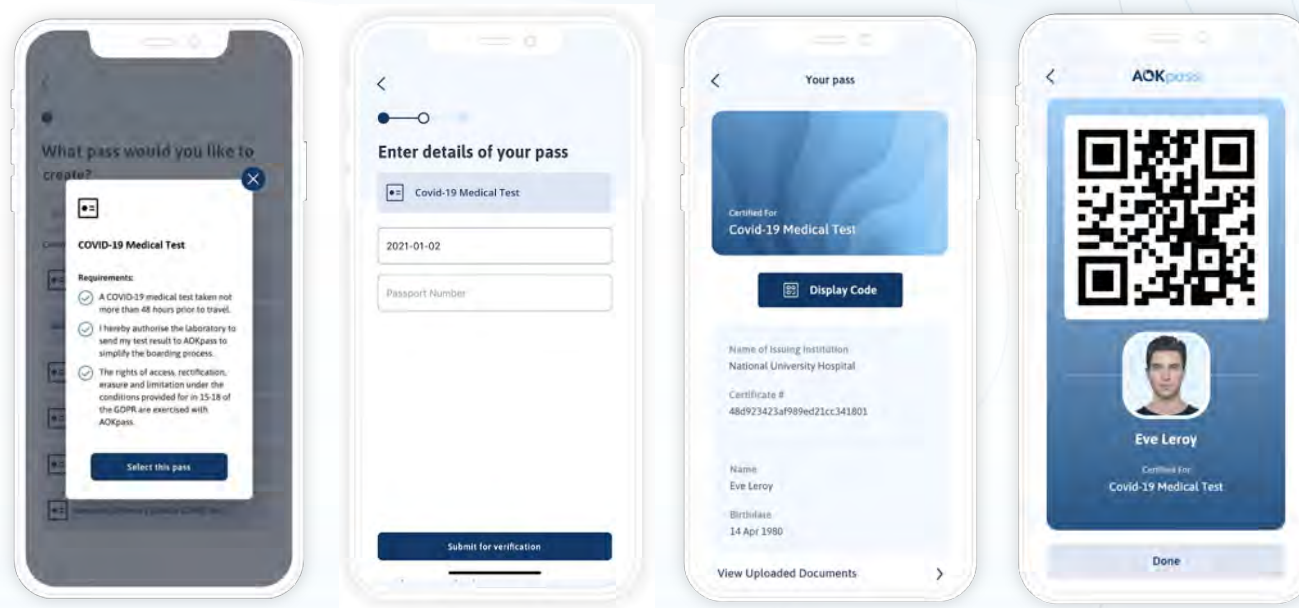
Need: Verifiable digital vaccine certification at global scale to fight life-endangering fraud & counterfeits.

Goal: Test & implement global authentication technology for vaccines & vaccination

Pilot site(s): Manila, Philippines

Timeline: Live from October 2020

AOKpass user flow is simple & intuitive



Authentication network which can be used with ANY testing modality or vaccine authentication

RT-PCR (24 hour turnaround workflow)

- Established technology
- Typically located in established clinical laboratories
- Soft integration of AOKpass allows clinical labs to authenticate and share test results without programming or server-side modifications

RT-PCR (3-4 hour rapid workflow)

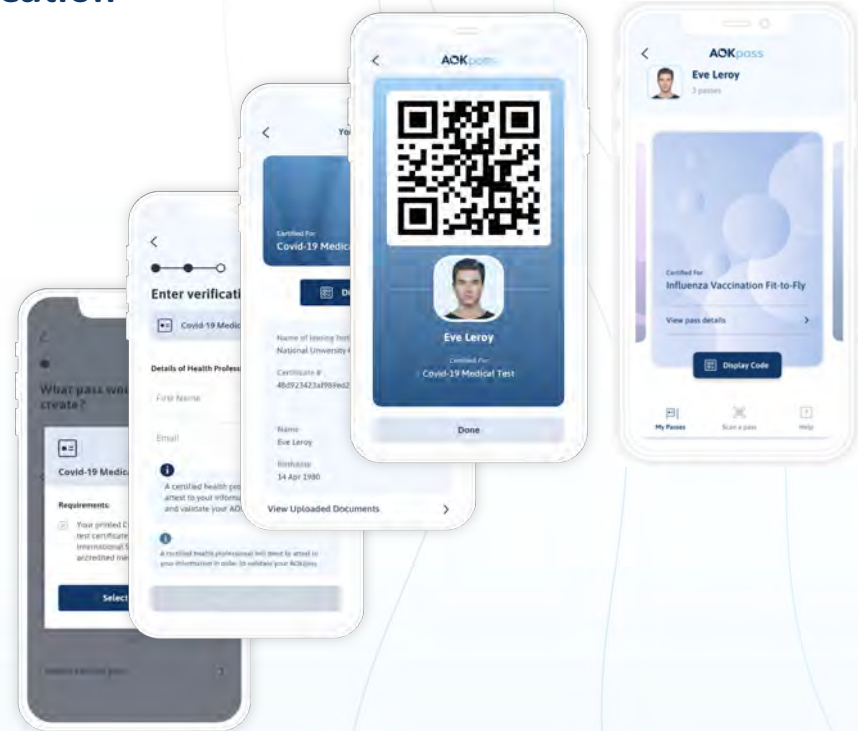
- Developing technology
- Suitable for at or near-airport testing

Antigen testing (15-30 minute point of care workflow)

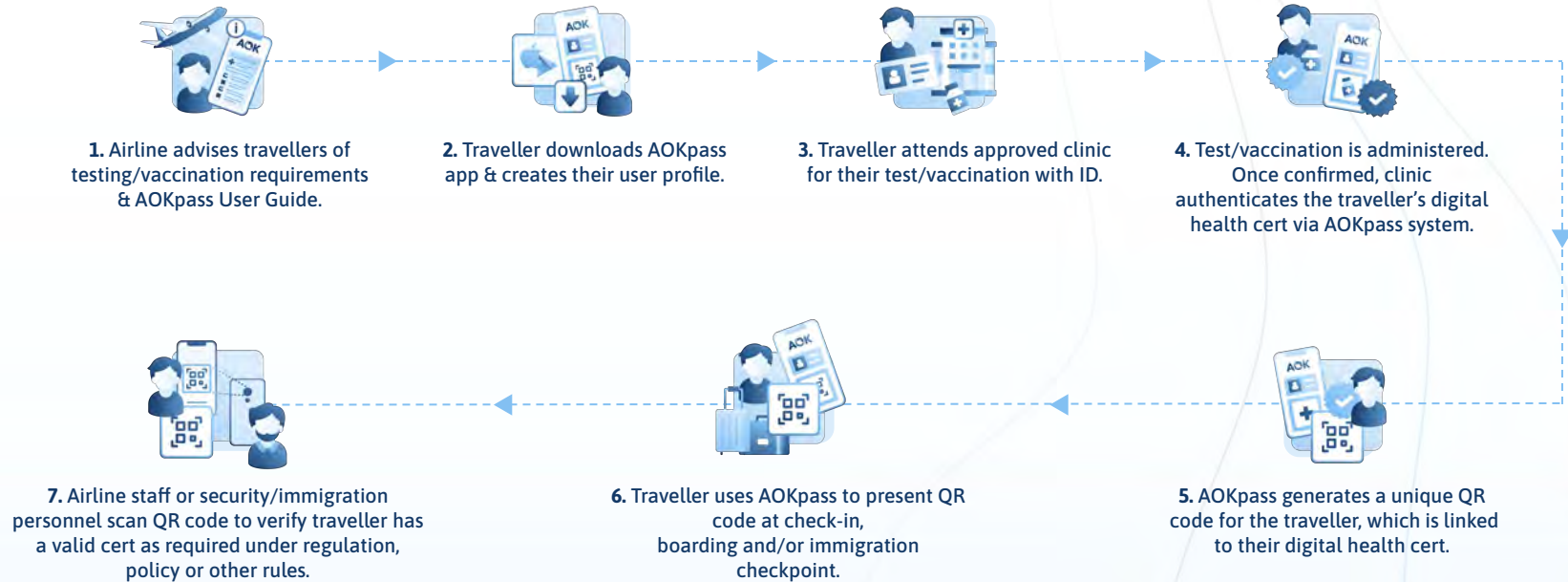
- Typically performed outside a clinical laboratory
- The AOKpass workflow can authenticate point of care testing even when it is performed outside the area of a clinical lab

Vaccination authentication

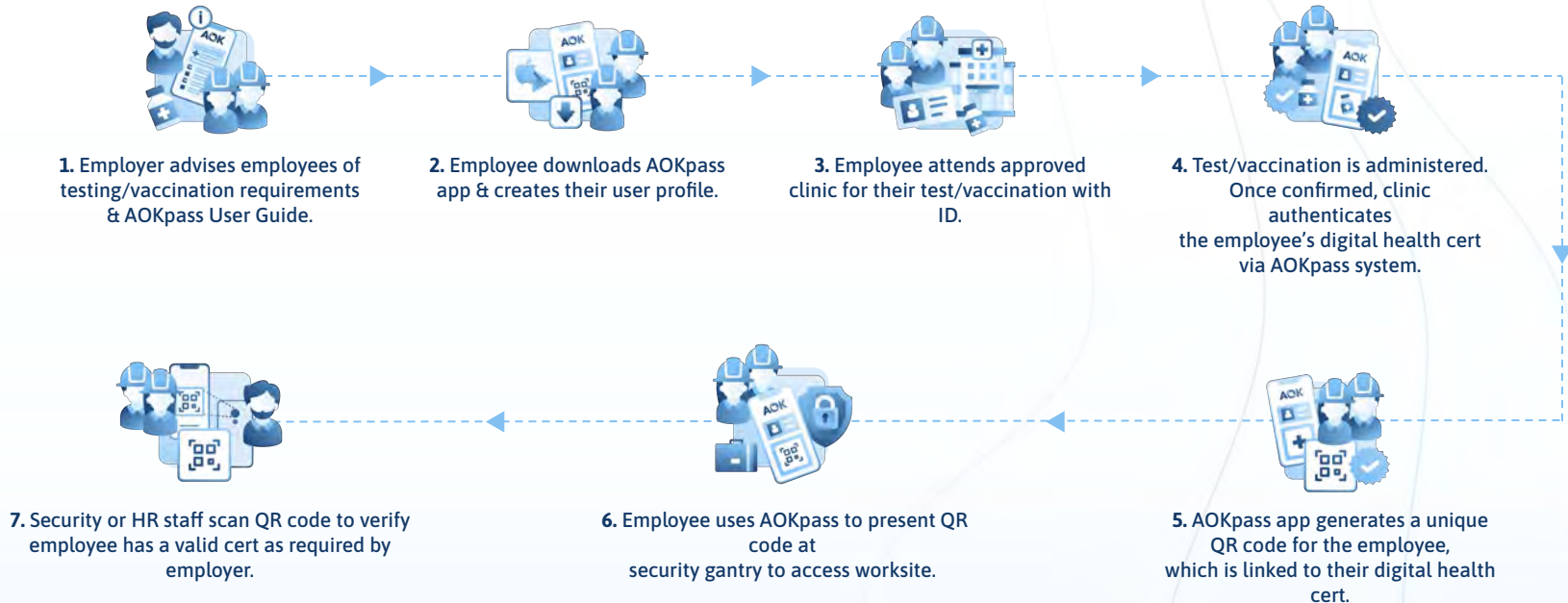
- Testing workflow creates the infrastructure for global authentication and verification of vaccination history



AOKpass Example Traveller User Flow



AOKpass Example Employee User Flow



Operational Partnerships

Global network of pilot partners & supporters

Primary Distribution Partners



Vaccines, Labs & Clinics



Governments & Authorities



Airlines, Airports & Travel



Corporates



Events



Technology



Global Industry Engagement

AOKpass actively engages with major players & sovereign governments

Multilateral Organizations



Corporates



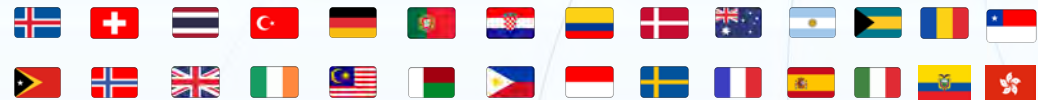
Academics



Air Travel



Sovereign Governments



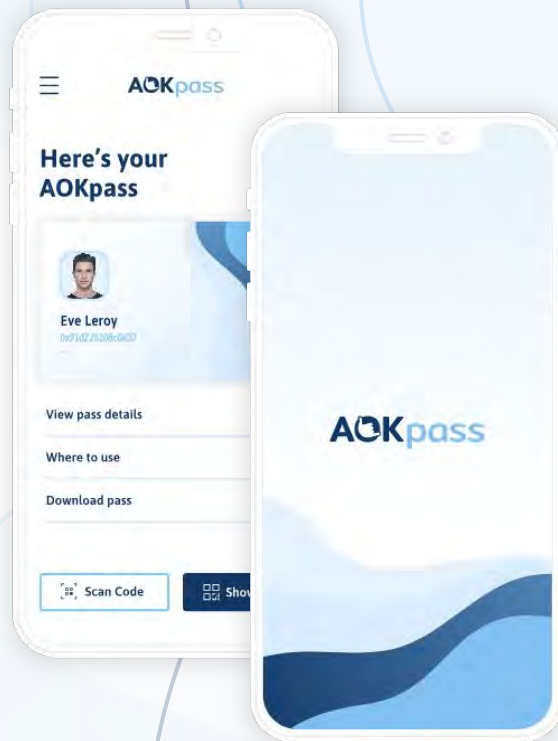
Vaccines, Labs & Clinics





Secure - Private - Portable
COVID-19 Compliance Status Pass

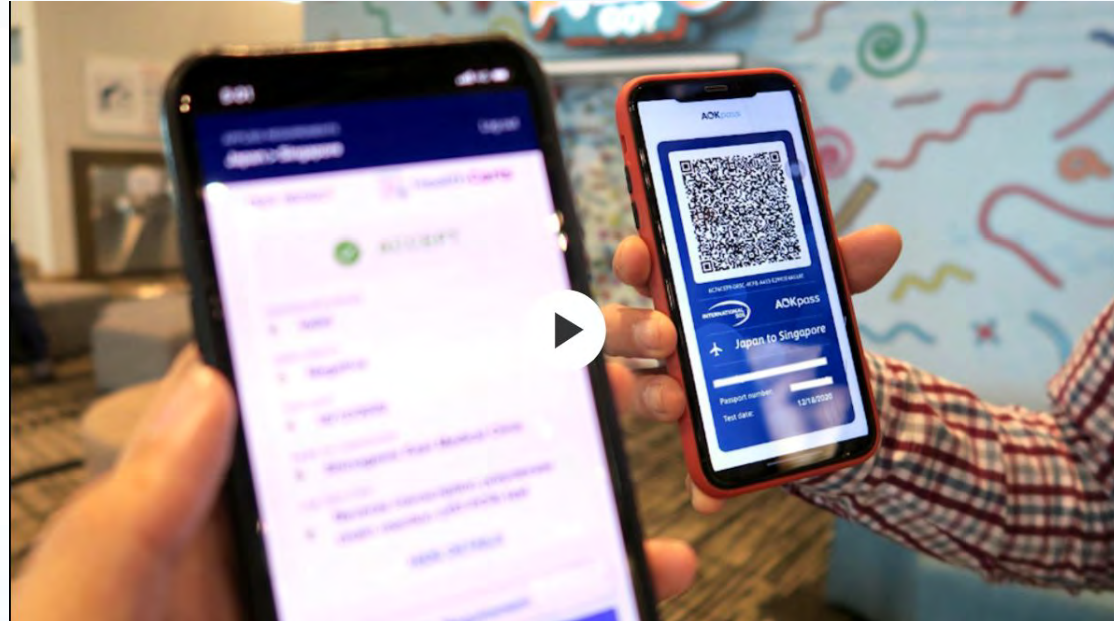
Thank you!



THE WALL STREET JOURNAL

To Fly Again: Show Your Digital Health Passport

Airports in Paris and Singapore as well as airlines including United and JetBlue are experimenting with apps that verify travelers are Covid-free before boarding. WSJ visits an airport in Rome to see how a digital health passport works. Photo credit: AOKpass



Watch the WSJ video [here](#) or above

ICC AOKpass Global TV Media Coverage



Watch the CNA video [here](#) or above



Watch the CNBC video [here](#) or above

Other videos from [Sky Italia](#), [CNA](#), [Bloomberg TV](#), [Sky News](#) and others on our website [media page](#)

As at March 2021, AOKpass has been featured in 1,600+ unique articles with a global audience of 3.5B.

TRACTION - MEDIA

Over 1,200 press clippings & global audience of 3.5B viewers



CORE TEAM



Dr Chester Drum, M.D. Ph.D
Co-founder & Chief Medical Officer

20 years of clinical experience in managed care and development of novel analytics for predicting patient outcomes. He has won awards, numerous grants and holds multiple patents. He oversees a large research facility and bioinformatics as Asst. Professor at NUS and consultant cardiologist at NUH where he cares for COVID-19 patients.



Michael Blishch
Chief Technical Officer

15 years of experience in developing health tech and is one of the authors of the Ukrainian's most used medical information system. Michael is focused on mobile and web development, including state-of-the-art systems for storing medical information and document circulation as well as revenue and customs admin.



Darren Toh
Chief Executive Officer

Co-founder Perlin Network, Co-founder BlockPR, ex-Director Carbon Conservation, legal & PR advisor to successful blockchain projects REN, Fantom, Santiment, Terra, Thorchain & ex-KPMG. His work is covered in Bloomberg, Forbes, CNA, CNBC, Sky News, Financial Times, VentureBeat, Straits Times, Wall Street Journal, NASDAQ etc.



Dorjee Sun
Co-founder & Strategic Oversight

Co-founder 20+ companies including Perlin Network, Carbon Conservation (which secured carbon finance of \$400M+), Special Advisor to the ICC & recipient of awards for his innovative work in finance and conservation. His work is covered in WSJ, Forbes, Fortune, TIME, Esquire, ABC, PBS, BBC, Discovery, CNBC, Sydney Morning Herald, NASDAQ etc.

Full -time team also includes: 2 senior developers, Operations Director, Operational Manager, Design Manager & Finance/Admin Officer. This does not include staff provided by distribution partners Intl SOS and ICC.

Based in Singapore we have Medical Specialists



Yogita Goswami

Chief Operating Officer

oversees the day-to-day administrative and operational function of AOKpass. She is a certified Lean Six Sigma green belt professional and holds a Master of Business Administration degree. She is an energetic chief operating officer with over 16 years of experience managing high level corporate operations as a change agent, leader, and communicator in the Healthtech industry. Formerly she worked with a global health and security services firm where she managed numerous projects with 100% success rate. Yogita has a passion for bridging culture and people. Outside of work she loves to sketch, paint and travel.



Shiva Narrthine

UI/UX Designer

is a product designer with experience in UI/UX design and UI development. She holds a software engineering degree and has held positions as a designer and analyst. Formerly she was with McKinsey & Company and VLT Labs, and has worked on designing and launching digital solutions for large organisations as well as startups in various industries across Southeast Asia, Australia, and the USA. Outside of work, Shiva brews her own artisanal hipster cold brew coffee, enjoys travel, family and lots of food.



Eleanor Salt

Head of Business

manages operations and business development for AOKpass. She holds a business communication degree and has held positions in corporate advisory, funds management and fintech. Formerly she worked with corporate advisory firm, Seed Partnerships, on a number of successful IPO transactions, including KKR Credit Income Fund (ASX: KKC) which raised \$925 million in 2019. When she isn't working, Eleanor enjoys being outdoors, camping, bushwalking and sailing.



Ionut Nechifor

Graphic Designer, UI & UX, Web Designer

is a visual development designer with intensive experience in web design and graphic design area. He holds an art and design degree and has held positions as a digital designer and concept artist. He has worked on designing and creating digital graphics for startups and large organisations around the United Kingdom and across the globe for different industries from Australia, Canada and the USA. Outside of work, Ionut love riding motorcycles, enjoys travel and family time.

What is AOKpass?

AOKpass is a mobile application and data security platform that allows users to verify their medical testing with third parties. Users can easily store and show their pre-flight PCR test results after approval by an accredited health provider.

Users have exclusive control over their personal health data, which is stored only on the user's mobile device and never on any external database or centralised system.

Download AOKpass for IOS and Android

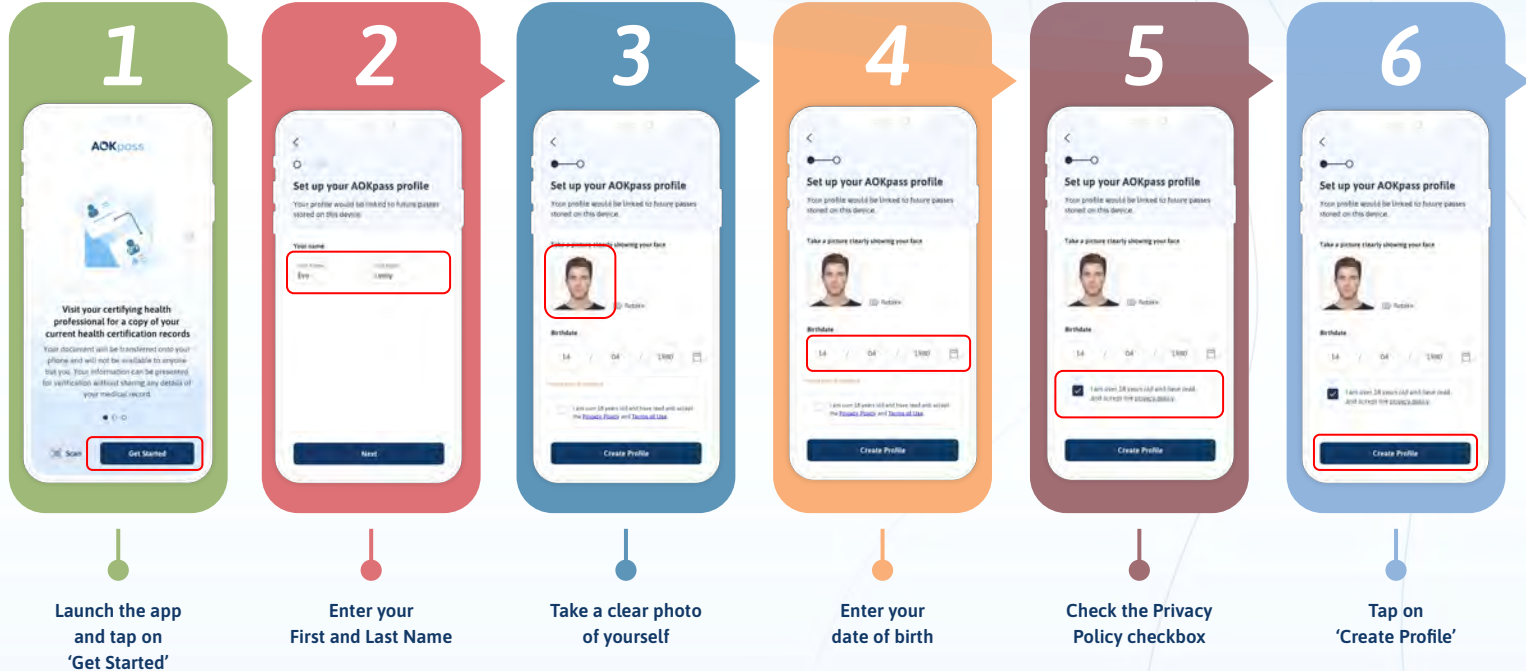


Disclaimer: Since your personal health data and Digital Status Certificate(s) are stored locally on your mobile device, AOKpass App users have sole responsibility for ensuring that they setup and maintain their mobile device settings at the appropriate and highest level of security. For example, you should not use the AOKpass App on “rooted devices” and also should ensure that you have a passcode and/or biometric locks enabled.

SETTING UP YOUR PERSONAL DATA

Setting up your profile is really simple.

After downloading the app, follow these steps:



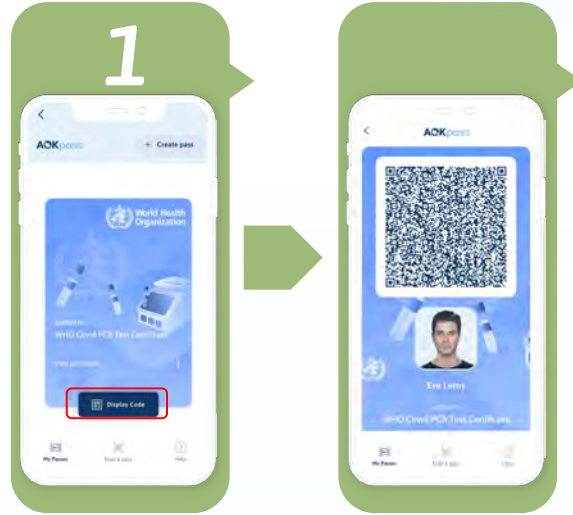
HOW TO CREATE A NEW PASS

Your AOKpass will allow you to connect your medical results with trips previously booked. This way you guarantee safety and speed during your boarding process.

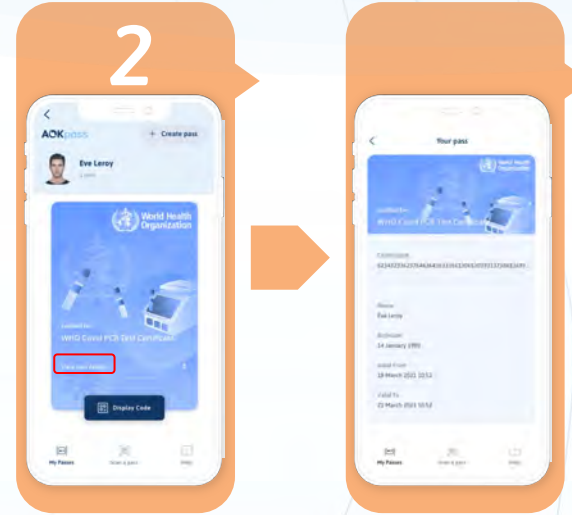


USING AND ACCESSING YOUR PASSES

All passes created are displayed at the 'My Passes' tab. If you have multiple passes, swipe left/right to view them.



To use the pass, tap on 'Display Code' to generate your QR code.



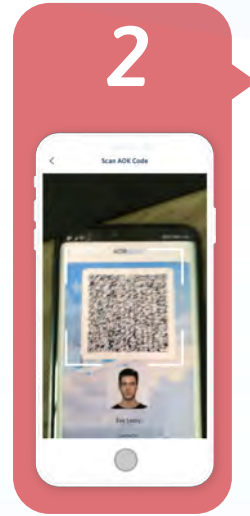
For pass validity and other information, tap on 'View pass details'.

HOW TO VERIFY A QR CODE

Your AOKpass will allow you to connect your medical results with trips previously booked. This way you guarantee safety and speed during your boarding process.



Launch the AOKpass app and tap on 'Scan'.



Place your camera over the User's QR code to start verification process



Once verified, the screen will display the User status.