



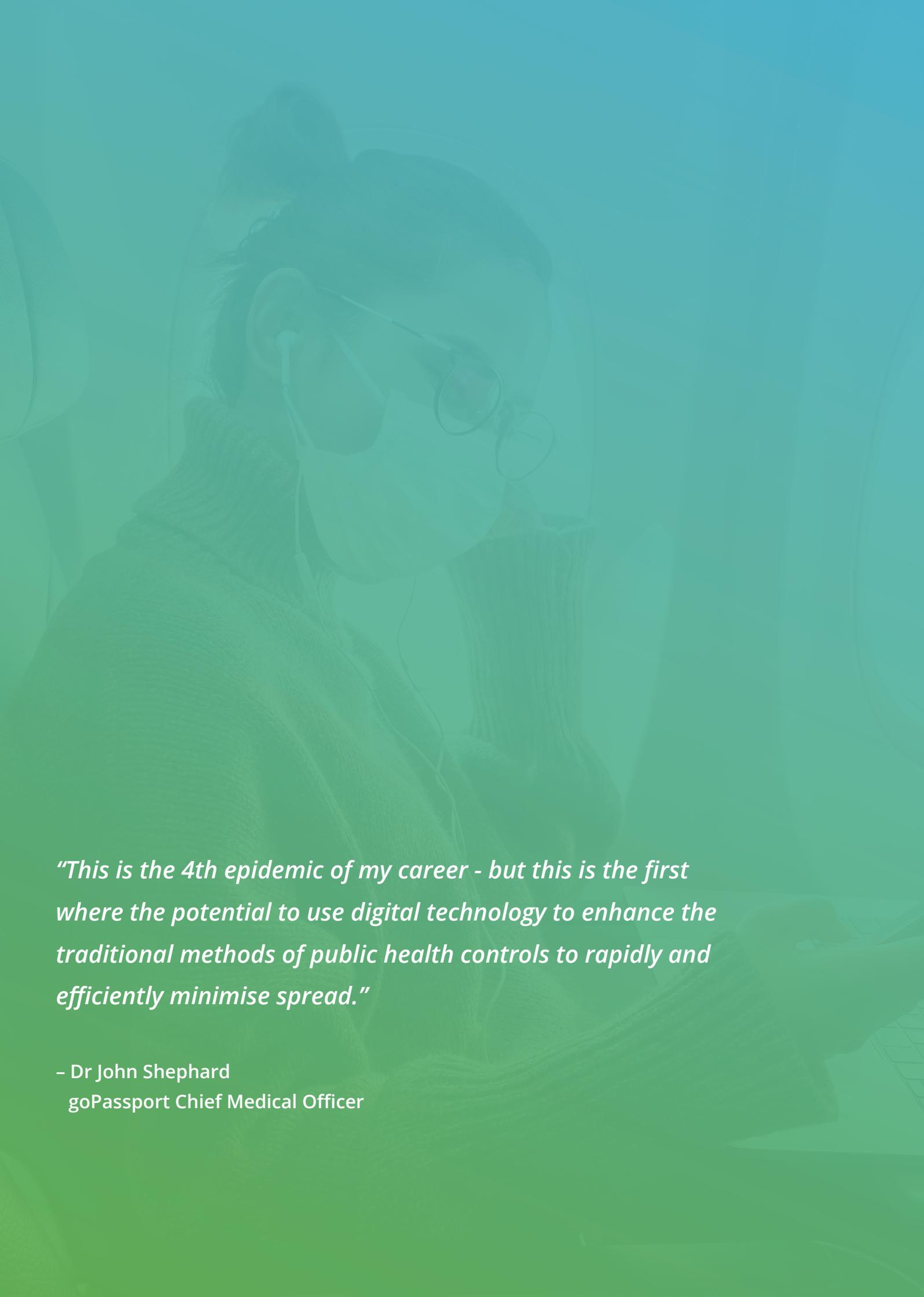
goPassport

KNOWLEDGE BUILDS TRUST

End to end risk management platform for across international border travel.

Enabling decision making of low risk travel through real time guidance, monitor and alerts.

Restarting International Travel, Safely



“This is the 4th epidemic of my career - but this is the first where the potential to use digital technology to enhance the traditional methods of public health controls to rapidly and efficiently minimise spread.”

– Dr John Shephard
goPassport Chief Medical Officer

Long-standing cornerstones of Australia's successful approach to managing risk of international travel:



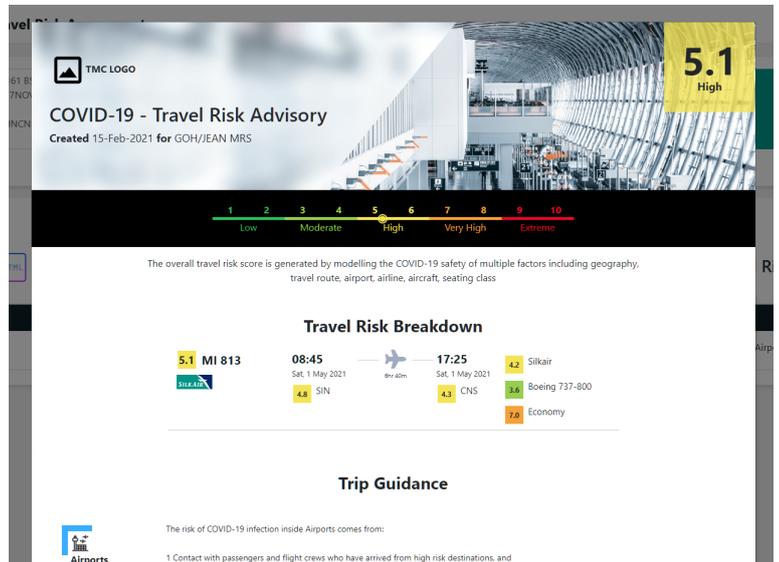
goPassport is aligned to these strategies and provides new tools to address the threat of pandemics.

Summary of Capabilities

The goPassport solution has 4 proven components

1

Advanced risk analytics solution providing an end-to-end view of all the aspects of a traveller's pathway that will influence their risk of exposure in the cycle of travel.



2

A real-time policy engine that maintains every traveller's individual pathway. Multi-level capability to warn, alert and escalate non-compliance back to the individual.

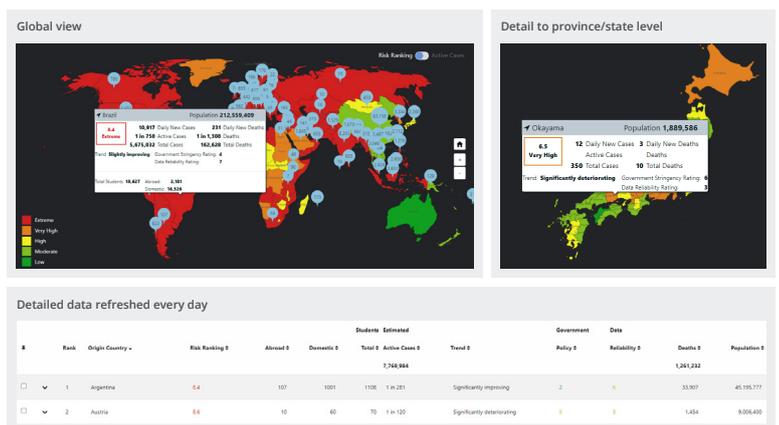
3

An individually tuned app for travellers that guides them during their journey simply, safely, prior to and during their travel.



4

Status portals with live relevant dashboards at a national, regional and institutional level for Health providers, Health Departments, Immigration / Border Force and management institutions.



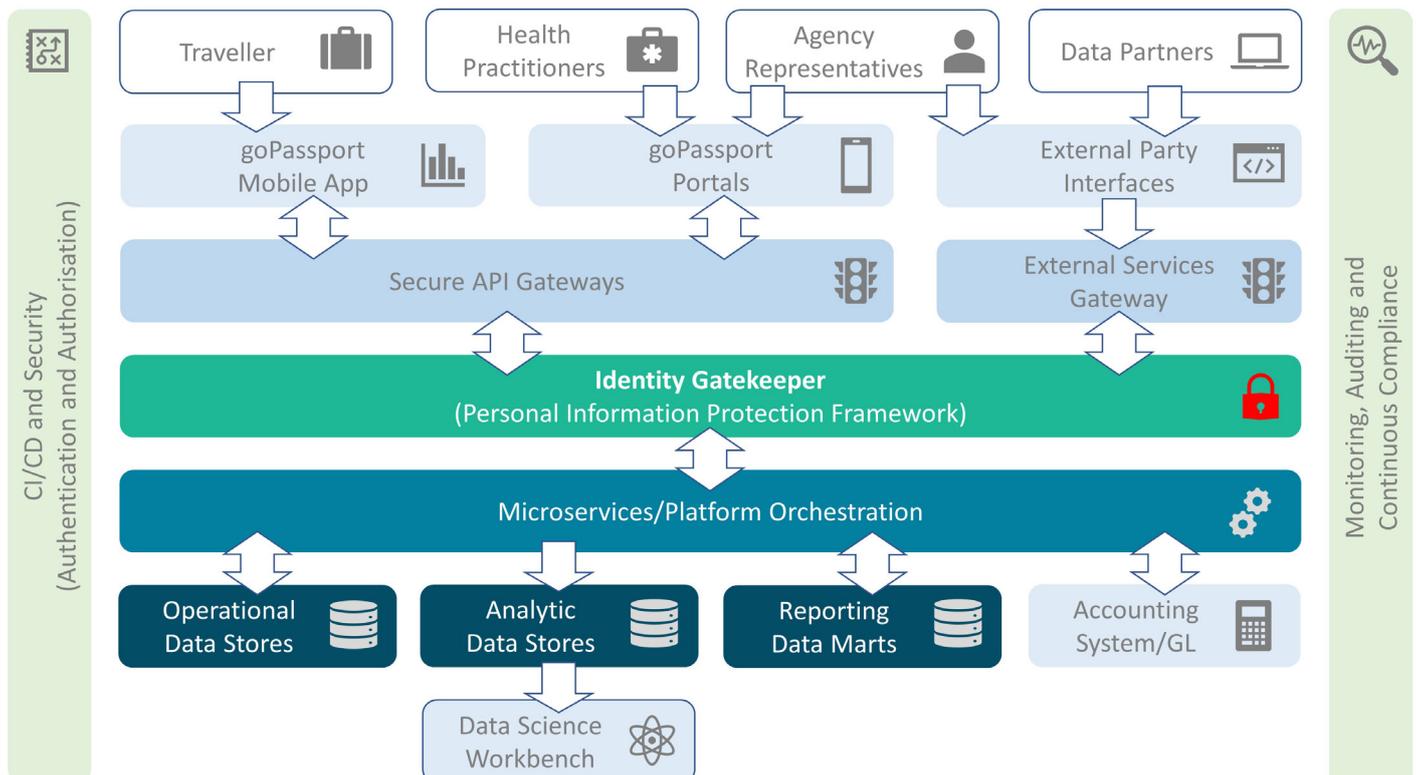
Privacy by Design



End-to-end encryption.



Integration of proven High-capacity technologies.



goPassport is being fast tracked by adapting existing and proven technologies

Knowesis brings its real-time decision engine and database that is in production today, managing 4 million Australians for Telstra.



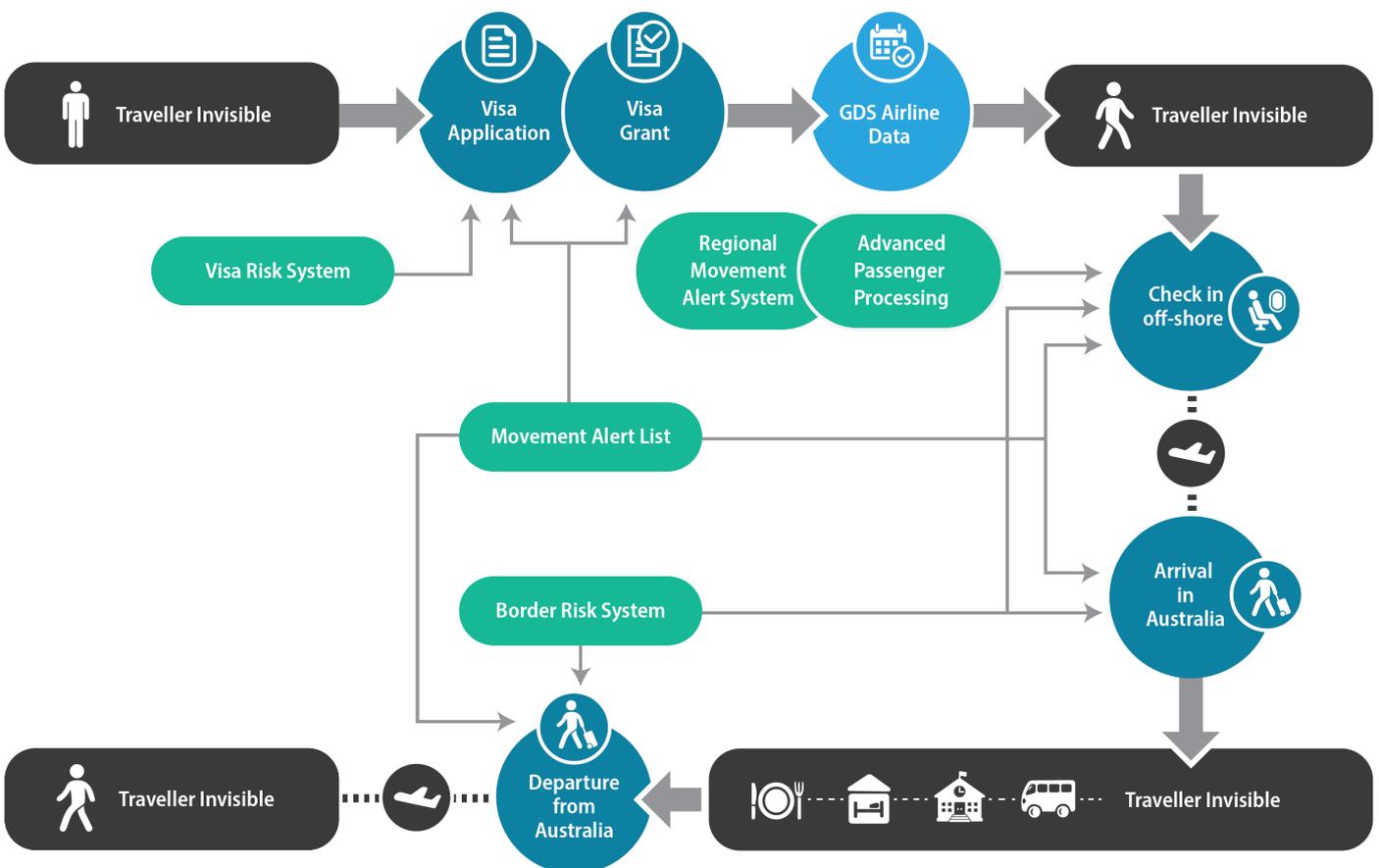
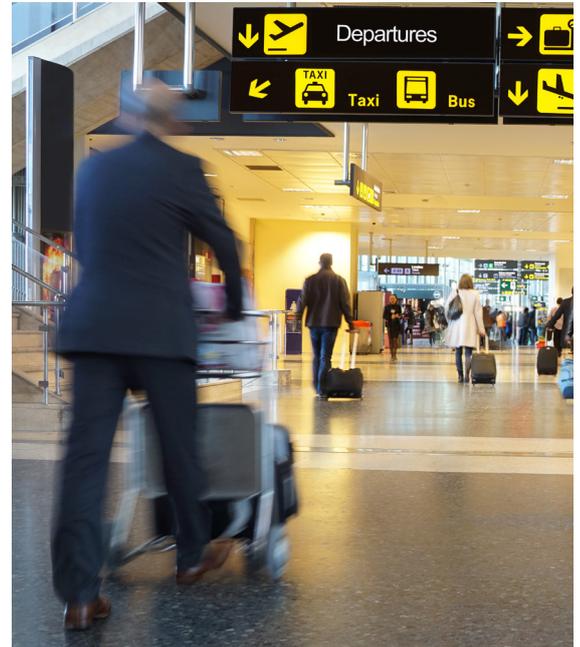
Didgigo manages over 100,000 traveller itineraries per year.

AlphaZetta is an Australian data science and data engineering company with over 790 consultants world-wide.

Problem: Traveller Invisibility

Knowing answers to these questions supports good decision-making:

- Where has the traveller been in the 14 days before commencing their journey and does that have an impact of the risk the traveller represents?
- Has the traveller self-isolated?
- Has the traveller been exposed to infection while travelling both during the inbound flight and while travelling here?



Safe International Travel is Complex

goPassport understands:

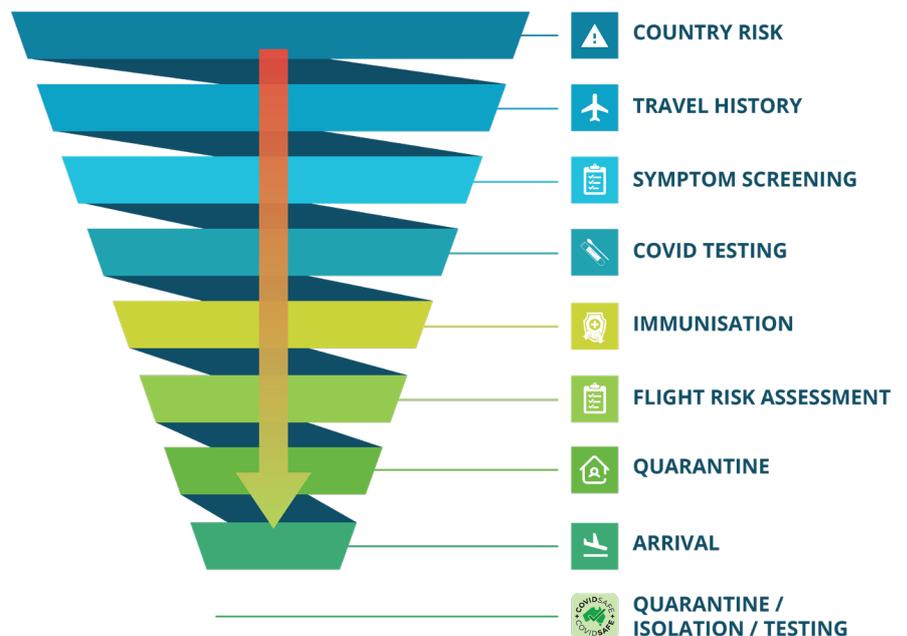
- **No single measure will provide adequate protection** against COVID-19:
 - » Single tests tend to have limited accuracy
 - » Both false positives and false negatives are common
 - » Vaccines have limited efficacy
 - » Vaccines may not prevent a vaccinated person from transmitting an infection
 - » Quarantine has a history of leakage
- Risk is best managed **before a journey commences**
- A **layered approach** of multiple measures minimises risks
- **One size does not fit all.** Aligning mitigating measures to the risk posed by a traveller represents a sustainable solution. (eg NZ travellers require fewer measures than others from higher-risk locations.)
- Different requirements for different destinations **can be confusing** for travellers, airline staff – particularly when trying to process large numbers of travellers – mistakes will be made. Travellers need step-by-step guidance. Monitoring is essential.

Layered Approach Commencing Offshore

Australia's long-standing approach to border security has focused on minimising risks and costs by managing much of the risk through:

- Multiple layers, and
- Off-shore where possible

Our aim is to minimise the risk of an infected person commencing their travel.



– a benefit for other travellers, the crews, staff and the community. It also reduces the risk of leakage from any quarantine arrangements.

Not just an electronic health passport

Current Options:

- goPassport is an Australian initiative that reflects the highest standards expected by the Australian community.
- A growing field of 'health passports' offer secure storage of travel health certificates. These can be shown during airline boarding and during border clearance. One solution promotes contactless processing – for ports with the right equipment.
- This is a good start and something goPassport incorporates but ...

We go further than this by making the traveller's **Health Status** available to Australia's Advance Passenger Profiling (APP) system for check-in/boarding and port clearance.

These are already highly-automated processes designed to manage a range of risks. goPassport simply adds the health status dimension. There will be no need for airlines to change their systems or processes and integration for border agencies uses commonly used communications systems. Extensive additional data is provided through our secure government dashboards to resolve complex issues.

The goPassport difference:

Guides

Guides the traveller for the entire journey – from booking to departure – along the journey and back home.

Monitors

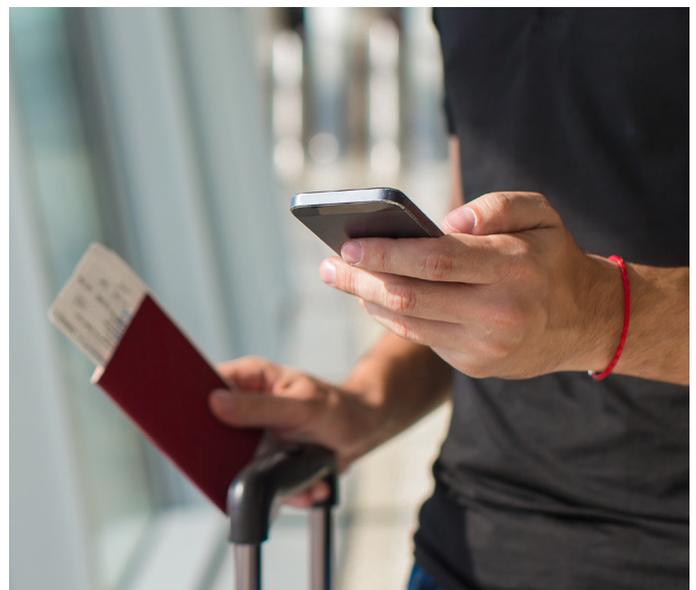
Monitors the traveller's progress through any mandated pre-travel preparation, protecting the traveller from existing and emerging risk world-wide.

Alerts

Alerts the traveller if they have missed any mandatory steps that may prevent them from having a safe journey and alerting health authorities if the traveller appears to require assistance.

Provides Visibility

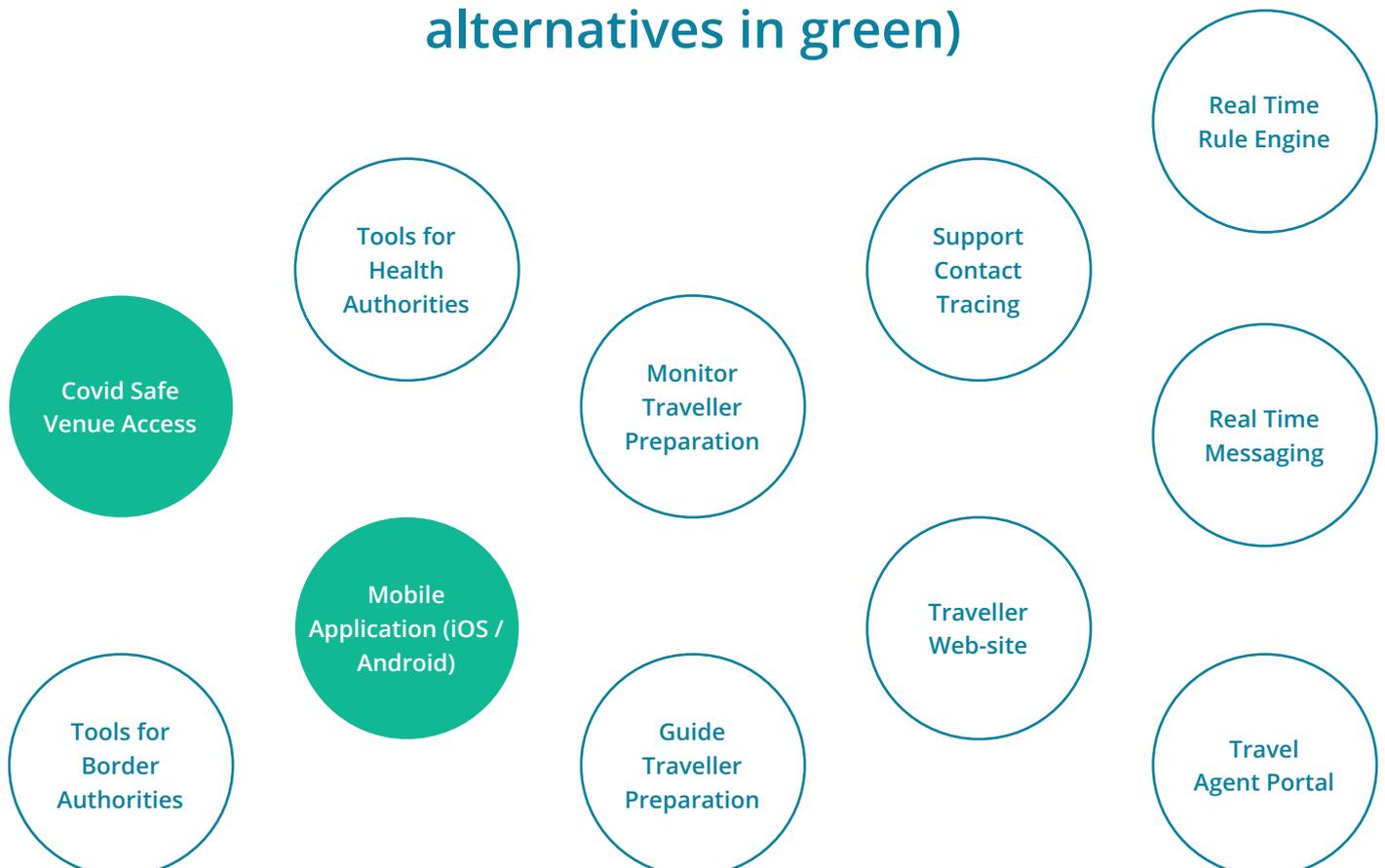
Provides visibility of traveller risks to health and border authorities of and enables fast and real-time responses.



goPassport and alternatives



goPassport Capabilities (shared capabilities with alternatives in green)



Risk Factors

goPassport calculates a dynamic Health Status Flag (HSF) for every traveller.

It considers:

- Country, state risk exposure last 14 days,
- Airline, Aircraft type, Airport, Route and Transit risk
- Traveller risk and symptoms
- Test history and results
- Vaccination history



Travel App

- Past Infection/Immunity
- COVID Exposure Risk
- Current Symptoms

Global Incidence Data

- John's Hopkins
- World Bank
- Flight and transit

Risk Rating

- Infected (RED)
- Susceptible (AMBER)
- Exposed (AMBER)
- Recovered/Immune (GREEN)

Testing

- Viral PCR
- IgM, IgG Antibodies

Vaccination

- Type of vaccine
- Date(s) administered

Testing is a powerful enabler of low-risk travel, provided that:

- It is administered at the right time
- Tests are professionally administered
- Results are accurately recorded
- Outcomes are understood
- Results are provided in a timely manner to inform decisions such as boarding, quarantine, further treatment.

Maximizing detection Sensitivity during infectious window

Combining RT-PCR with Serology Testing

Time from symptom onset	RT-PCR sensitivity	Total Ab sensitivity	IgM sensitivity	IgG sensitivity	PCR + Ab sensitivity
day 1-7 (n=94)	66.7%	38.3%	28.7%	19.1%	78.7%
day 8-14 (n=135)	54.0%	89.6%	73.3%	54.1%	97.0%
day 15-39 (n=90)	45.5%	100%	94.3%	79.8%	100%

Combining RT-PCR and Antibody testing results in greater sensitivity for diagnosis of SARS-CoV-2 infection.

~Shenzhen 3rd People's Hospital, China, n=173

The screenshot shows the goPassport dashboard. The top navigation bar includes Home, Maps, Individual Traveller, Help Center, and Settings. The main dashboard area displays several key metrics:

- Check-Ins:** 90 (98 expected)
- Health Reports:** 85 (90 expected)
- Tests:** 110 (120 expected)
- Vaccinations:** 110 (120 expected)
- Total Travellers:** 976
- Offshore:** 90
- Onshore:** 95
- Transit:** 85
- Quarantine:** 101

Below the dashboard is a table of travellers with the following columns: TRAVELLER ID, ARRIVAL DATE, STAGE, HEALTH RISK FLAG, TEST STATUS, ITINERARY RISK, VISA TYPE, CURRENT LOCATION, COUNTRY FROM, and COMPLIANCE HISTORY. The table lists 8 entries for traveller ID N 301, showing various stages (Cleared, Booked, Onshore, Do not board) and test results (NEGATIVE, POSITIVE, PENDING).

Mitigating Risk

Risk	Likelihood (Based on available data)	Consequence	Mitigation Strategy	Mitigated Risk
COVID-19 person at airport	Highly likely	Severe	Pre-departure testing & vaccination Airport infection controls effective (staff, procedures, etc)	Low
COVID-19 person on aircraft	Highly likely	Severe	Pre-departure testing & vaccination Green airport lanes	Low
being infected enroute	Likely	Severe	Pre-departure testing & vaccination	Low
Infected person in quarantine	Highly likely	Severe	Pre-departure testing & vaccination	Low
COVID-19 Leakage from quarantine	Likely	Severe	Pre-departure testing & vaccination Effective quarantine controls	Very low

Vaccination

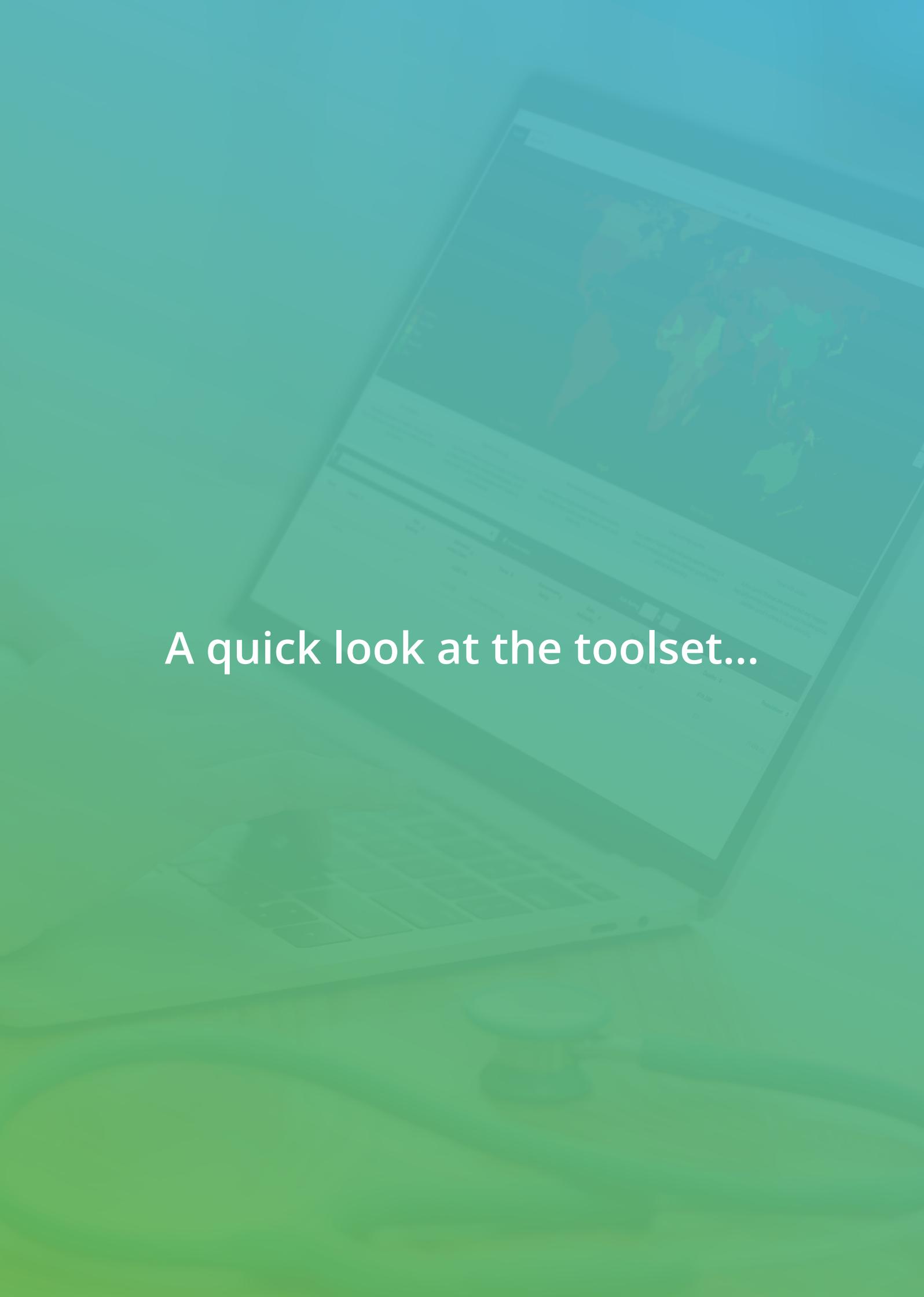
Vaccines are an important risk mitigation tool but:

- Vaccine efficacy varies. Most vaccines report effectiveness ranging from 60% - 90%. Even at the highest level, it would mean that the vaccine was not effective for 20+ people on every normal passenger flight.
- Effectiveness, at present, is expressed as 'preventing a vaccinated person from having serious health issues if exposed to COVID-19'.
- A vaccinated person:
 - can still suffer from COVID-19, and
 - may still be able to transmit the infection to others.
- Nevertheless, where most of the population is vaccinated, it is reasonable to assume that there is much less risk of becoming infected.

The screenshot shows the goPassport Vaccination interface. On the left is a navigation menu with options: Test, Results, Vaccination (selected), Contact Tracing, and Quarantine. The main content area is titled 'Vaccination' and features a dashboard with three statistics: 14 Administered (green bar), 7 Due Today (orange bar), and 1 Overdue (red bar). Below this is a 'RECORD VACCINATIONS' section with a search bar containing 'go goh' and an 'Add Traveller' button. The search results show one record for 'Traveller: Jean Goh' with '1 vaccinations done'. A table lists the vaccination details:

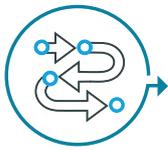
N	Vaccination ID	Date/Time	Vaccination Dose	Vaccination Reason	Vaccination Type	Administered By	Comments
1	V1500VN848	05/02/2021	1 of 3	International Travel	Pfizer- Biontech	Point Medical Group	1st vaccination

Below the table is an 'ADD NEW VACCINATION' form with fields for Vaccination ID, Date/Time, Comment, Vaccination Type, and Administered by.

A laptop is shown from a high angle, displaying a software interface. The interface features a world map at the top, followed by several data visualization components including a bar chart, a line graph, and a table. The table has columns for 'Year 1', 'Year 2', and 'Year 3'. The background is a solid teal color.

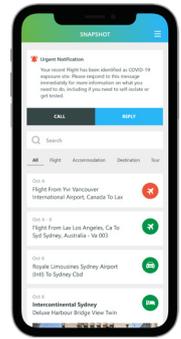
A quick look at the toolset...

Guide, Monitor, Audit, Alert



CAPTURE PATHWAY

goPassport captures traveller itinerary and any required pre-travel test results, relevant health history and the results of any checks against their incoming visa requirements.



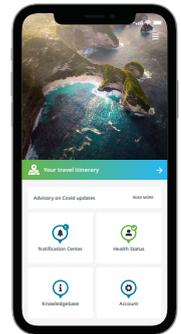
GUIDE COMPLIANCE

Provide information to support compliance against government (or other relevant legislative body) self isolation and quarantine requirements, utilising real-time geo-fencing and biometric and location based verified logins.



MONITOR COMPLIANCE

Constant itinerary monitoring and cross checking with real-time location-based activity will allow alerts to be generated should a traveller trigger non-compliance. Alerts will be sent to the traveller and support management.



ALERT AND MANAGE

In the event of an adverse health event, goPassport will manage an automatic next best action including escalating contact policy, advice and action steps. E.g. approved symptom checklist, helpdesk and Telehealth guidance.



ESCALATE

goPassport will manage alerts to the traveller, travel management, health authorities and if necessary current national support. Upstream and downstream contact mapping includes other travellers and service provider locations.



A Smart(er) Traveller – The Journey Risk

Selecting Safe Travel

A London – Sydney Return journey

Example: Component risk surfaced.

6.4 very high				AUD \$6,730.2	
6.0 EY 2	11:20 Mon, 12 Apr 2021 7.7 FRA	6hr 20m	19:40 Mon, 12 Apr 2021 6.7 AUH	4.7 Etihad 1.2 Boeing 787-9 7.0 Economy	
5.2 EY 454	21:55 Mon, 12 Apr 2021 6.7 AUH	13hr 55m	17:50 Tue, 13 Apr 2021 3.3 SYD	4.7 Etihad 1.2 Boeing 787-9 7.0 Economy	
4.7 EY 6386	12:00 Sat, 12 Jun 2021 3.3 SYD	1hr 35m	13:35 Sat, 12 Jun 2021 3.3 MEL	4.7 Etihad 3.6 Boeing 737-800 7.0 Economy	
5.2 EY 463	16:15 Sat, 12 Jun 2021 3.3 MEL	14hr 10m	0:25 Sun, 13 Jun 2021 6.7 AUH	4.7 Etihad 1.2 Boeing 787-9 7.0 Economy	
6.0 EY 1	2:05 Sun, 13 Jun 2021 6.7 AUH	6hr 45m	6:50 Sun, 13 Jun 2021 7.7 FRA	4.7 Etihad 1.2 Boeing 787-9 7.0 Economy	

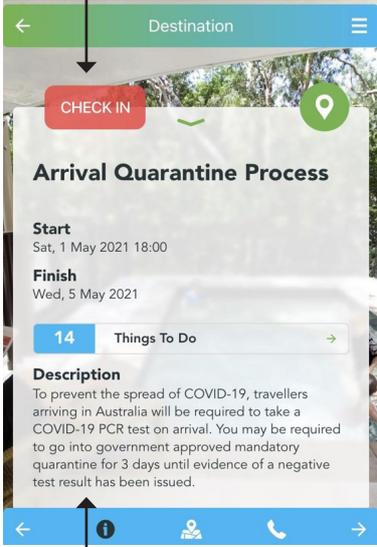
A smart(er), Informed Traveller

Location check-in.



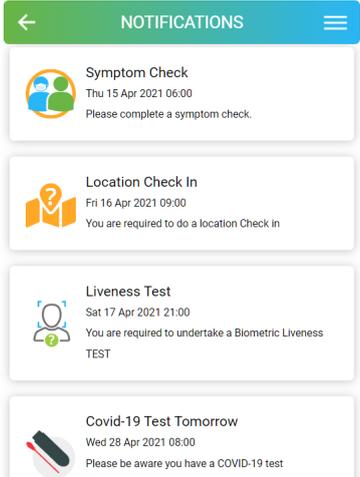
Fully itinerary with all mandated health requirements.

Guidance and assistance.



Guidance and assistance.

Alerts – SMS, in App, email



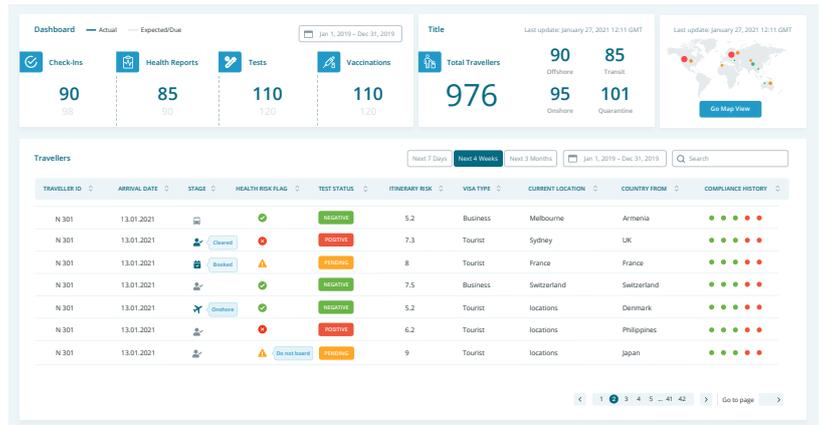
Alerts – SMS, in App, email

Making Travellers Visible

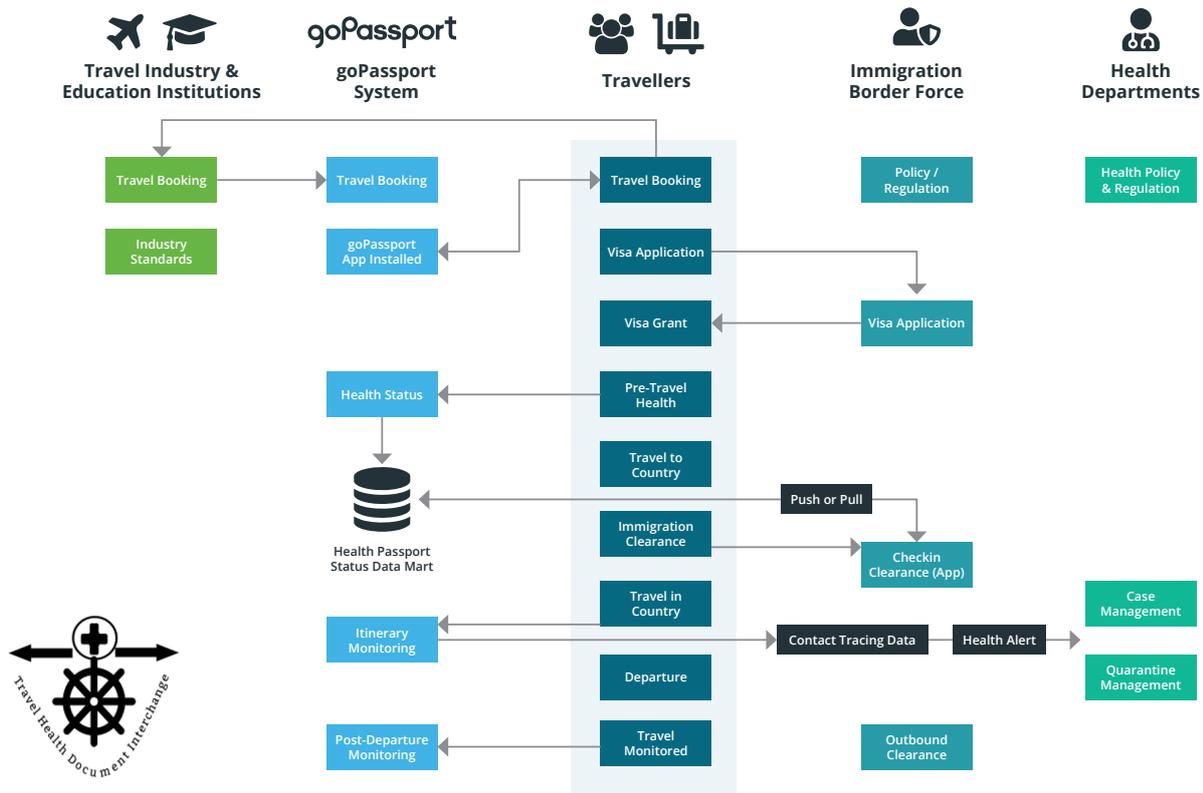
Governments currently have limited visibility of what a traveller has / has not done before they arrive.

Dealing with traveller health when a person arrives is not optimal.

goPassport offers a number of tools that provide visibility of the health status of all goPassport travellers from the time of booking, along their journey until departure. goPassport can monitor all mandated pre-departure and on-arrival steps required by government.



Connecting Key Stakeholders



The interconnections across different systems is a proven feature capability of the goPassport platform.

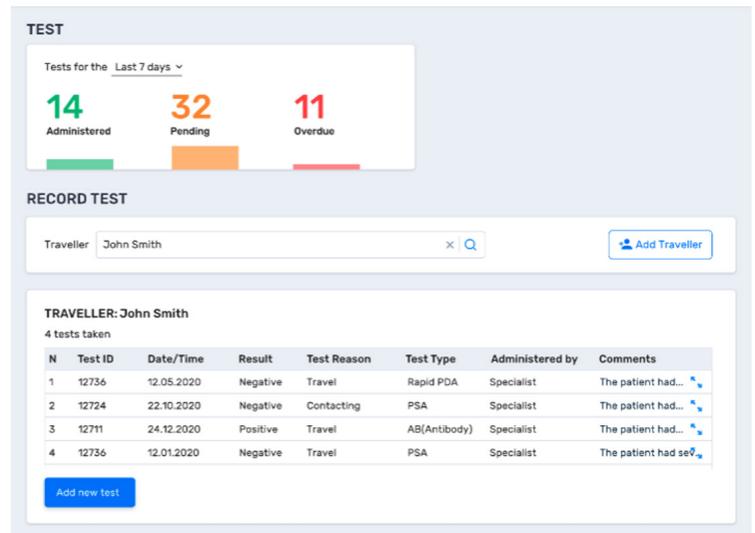
Utilising state-of-the art OMNI channel capabilities enables multi level communication to the individual traveller and policy control entities.

Alert, notification, response and escalation can be coordinated over a matrix of parties.

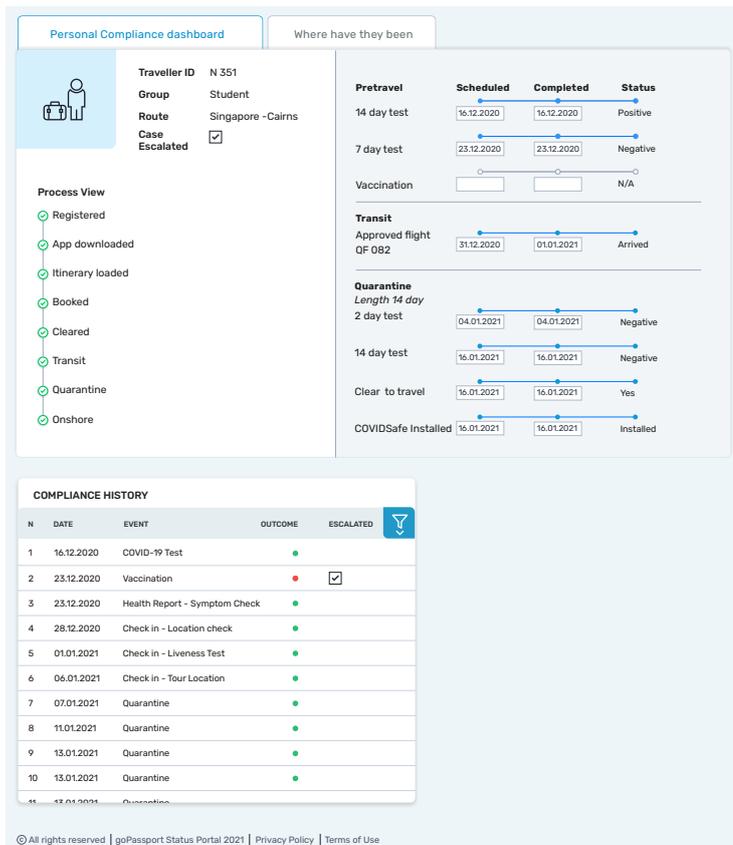
goPassport is also a founding member of the **Travel Health Document Interchange**. This allows a traveller to request that their health certificates are transferred to another member health passport provider.

How goPassport Can Help

- Health Status Flag (HSF) available to Australia's APP system to support boarding and immigration clearance processes.
- Health Services Portal available offshore and onshore testing clinics (and it is tablet-friendly).
- Contact tracing for any infected person.
- Audit compliance of travellers.



Supporting Decision-Making



- Provision of a dynamic Health Status Flag (HSF) for every traveller based on the traveller's compliance with risk mitigation requirements and the outcome of medical assessments. This automated process is available to Australia's APP system to support boarding and immigration clearance processes.
- Provision of a Health Services Portal to offshore testing clinics and Australia's health services responsible for testing/quarantine/self-isolation.
- Detailed location data to support contact tracing for any traveller diagnosed as infected.
- Full details of traveller compliance with mandated pre-travel requirements for inbound travellers.

While goPassport can work satisfactorily as an industry solution, full value to government will be achieved with the following support:

- Utilising the Health Status Flag data as an input to the APP system to guarantee automated and accurate boarding directives that reflect health risk and inform onshore border clearance.
- Incorporate the goPassport capabilities in government policy settings. It is suggested that government may wish to mandate the use of goPassport during epidemic/pandemic emergencies for those wishing to travel.
- Utilise the Health Services Portal capabilities to support quarantine/self-isolation/testing/inoculation management.



goPassport Leadership Team

BORDER SECURITY

goPassport Chief Technology Officer



Klaus Felsche

Borders Protection

ALPHAZETTA

Founded the first Advanced Analytics unit in Immigration and Border Protection.

Developed and deployed the Analytics- driven Border Risk Identification System including multiple components of the Next Generation Border Security System, including the analytics- based Risk Scoring Service for major visa platforms and a risk micro-service for the Electronic Travel Authority.

HEALTHCARE SYSTEMS

goPassport Chief Medical Officer



Dr John Shephard

Medical Director

OSS HealthCare

30-year medical expertise in communicable diseases and international public health.

Has held senior executive roles in public and private sector organisations and advised numerous Commonwealth departments. Was responsible for clinical operations in Australia's Ebola response in West Africa and led the first nationwide GP telehealth helpline.

DATA ANALYTICS

goPassport Chief Information Officer



Tony Ohlsson

Founder and CEO

ALPHAZETTA

30 Years experience in Business Analytics across many industry sectors including banking, telco and education.

AlphaZetta draw from the expertise of 780 Analytical Consultants worldwide to build applications and process through remote virtual project management. The hallmark expertise is cybersecurity and data privacy.

REAL TIME DATA

goPassport Corporate and Platform



Mark Radford

Founder and CEO

KNOWESIS

28 years leading Mobile Technologies companies, involved in over 6 technology start- up businesses though his Directorship in Rajah Blue Capital.

Founder and CEO of Knowesis, a high performance real-time, analytics platform that performs automated alerts and encrypted location-based warnings, 7 x 24 platform and program management

TRAVEL TECHNOLOGY

goPassport Chairman & CEO



Matt McKinley

Founder and CEO

DIDGIGO

Global Supplier of itinerary management and documentation systems used by the international travel trade to provide quality and detailed logistics data for the traveller.

Includes powerful itinerary ingestor from legacy systems, supplier content management tools, copy editing and multi-language ready, mapping, and travellers app. Developed over 32 years of inbound and supplier management expertise.

goPassport Team – Responsibilities

DATA ARCHITECT

goPassport Data Architect



Jeffrey Aven

Jeff is a highly regarded Information Management and Analytics Consultant, Big Data Educator and Author. Having been involved in designing, shaping, delivering and providing thought and people leadership for several large scale transformational programs, Jeff has experience across the entire Big Data and Cloud technology landscape as well as a solid track record of delivering tangible business benefit through the application of this technology.

DATA ENGINEER

goPassport Lead Engineer



Tom Klimovski

Tom Klimovski is a seasoned engineer with a background in analytics, and now a focus on Cloud Platforms.

With extensive knowledge and experience working inside the Cloud, Tom leverages his extensive knowledge of Kubernetes, Kafka, Dataflow, Functions, and understanding of modern software design principles and helps the team achieve goals in these fields.

APP DEVELOPER

goPassport Lead Developer



Scott Snowball

Scott is an experienced Project Lead and Full Stack Engineer with a demonstrated history working in the information technology and travel services industry.

In previous roles, Scott leveraged information and technology to provide robust high level client focused outcomes, including co developing an online call centre reservation booking system, developed one of Australia's first inbound travel booking websites, and managing the operations of a regional newspaper.

Scott is currently, Head of Mobile and Lead Developer for goPassport Australia and Didgigo, a worldwide itinerary management and documentation software. Scott is utilising his range of skills to bring the goPassport platform and mobile app to life.

MANAGER

goPassport Product Manager



Alec Gardner

Alec is a business analytics leader with over 20 years of experience across the financial services, communications and public sectors.

In previous director level roles, Alec led teams assisting clients with digitisation via the application of cutting edge analytics, including helping to develop new approaches to innovation and discovery analytics. He has a proven capability for managing high performing teams of exceptional talent.

In addition to sales and consulting management, Alec has experience in global product and services strategy, go to market and field enablement.

DATA SCIENTIST

goPassport Principal Data Scientist



Martin Roberts

For over two decades, Dr Martin Roberts has assisted both public and private sector enterprises to transform and modernize their data strategies, platform, processes, products, and services. Passionate about increasing data and statistical capacities at all levels in order to make more effective evidence-informed decision-making.

Currently, Principal Data Scientist for goPassport Corporate, an international analytics consulting company developing an e2e Covid-19 risk assessment-as-a-service platform for travellers.

A New Eco System

Life Science's Tech

Data Driven
decision making
Genome level

Travel Industry Tech

Price / Availability /
Access / Speed

Rapid Deployment

Vaccine / Testing

Trusted Health
Status

Pre Shut Down

Post Shut Down

Visibility of
Compliance

Anomised

Massive Life Science
Data to predict, protect
future proofing travel.

Trav Bio Tech

Revolution
goPassport
Network Effects

Every traveller
contributes to a safer/
healthiest society.



Traveller Risk Management and Trust Product Comparison



Risk Management Solution Risk Scores Feature	High Risk Traveller	Low Risk Traveller
Location Risk Risks posed by locations the traveller intends to visit and/or is approaching		
Government Controls Capacity to alert the traveller about government imposed controls		
Pre-Travel Risk Mitigation Support risk mitigation strategies before travel commences		
Support Traveller The ability to provide timely information and alerts for the traveller throughout stages of the journey, including pre-departure		
Guiding and Alerting Travellers To comply with government policy, avoid high risk travel options and directing travellers to assistance when needed.		
Manage Public Health Mechanisms to control the entry and spread of infectious diseases via travellers		
Global Standards Capacity to exchange health data with approved systems		
Expedite Travel Supporting governments, airlines and ports with data to allow low-risk travellers to be provided streamlined processing, preserving other management resources to manage other travellers.		

Individual Privacy and Trust	Not Trusted	Trusted
Protecting The private information of travellers, complying with Australian Privacy Legislation and international obligations (eg GDPR)		
Trust Application of processes that create trust (validity and reliability) of data.		
Secure Storage of travel Documents		

For information regarding the
goPassport connection with Government
please contact:

Matt McKinley

CEO goPassport

+61407 245 822

matt.mckinley@goPassport.health

