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The world's Most Secure Digital Health Pass Built for  
The Caribbean ***SAFE TRAVEL ZONE***

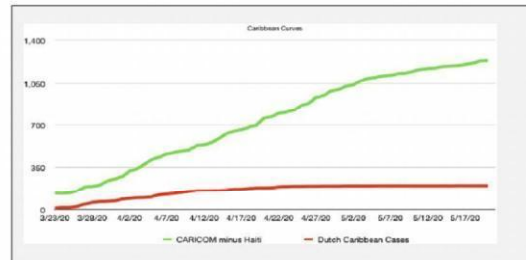
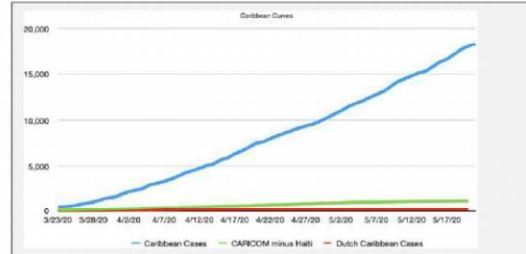


## THE CARIBBEAN

The Caribbean as a region, with a population of more than 42 million people, incorporates many differences in culture and language but also great synergies and similarities.

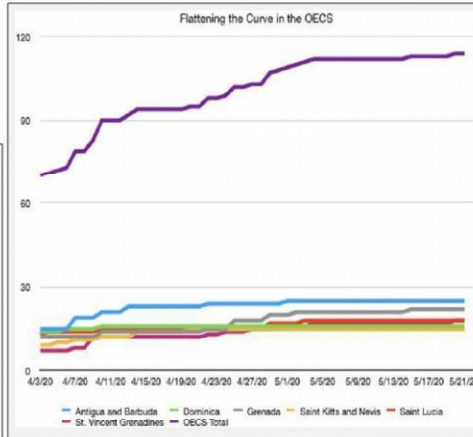
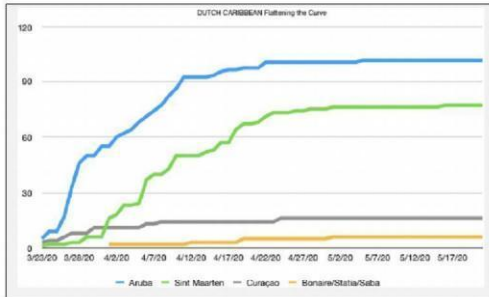
While the Cases Curve for the whole Caribbean has generally been in line with other regions of the world, two groups of countries stand apart from the norms as success stories in flattening the curve.

CARICOM (minus Haiti) with a population of 7.5 million, the OECS with 630 thousand and Dutch Caribbean with 340 thousand



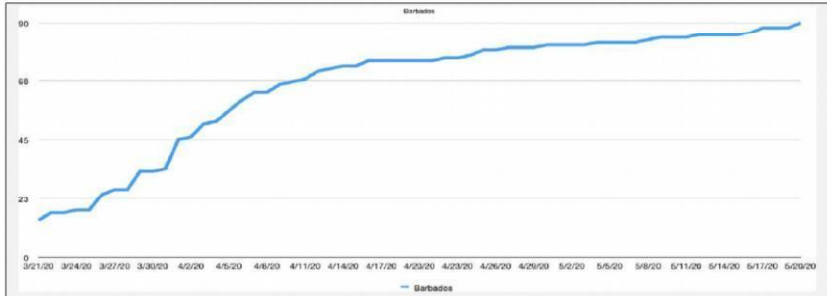
**FLATTENING THE CURVE IN THE OECS AND DUTCH CARIBBEAN.**

**RESULTS THE GOVERNMENTS CAN BE PROUD OF. DATA AS OF MAY 21, 2020**



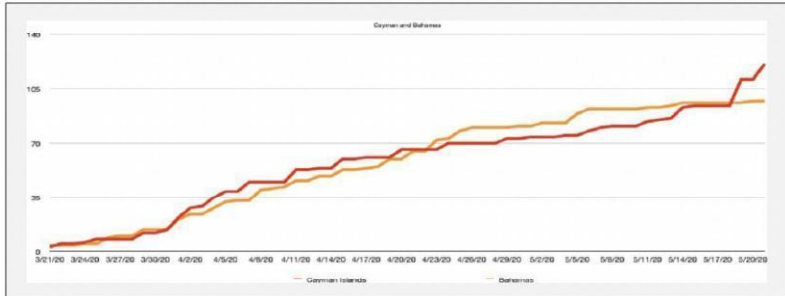
**BARBADOS HAS ALSO SUCCEEDED IN  
FLATTENING THE CURVE.**

**DATA AS OF MAY 21, 2020**



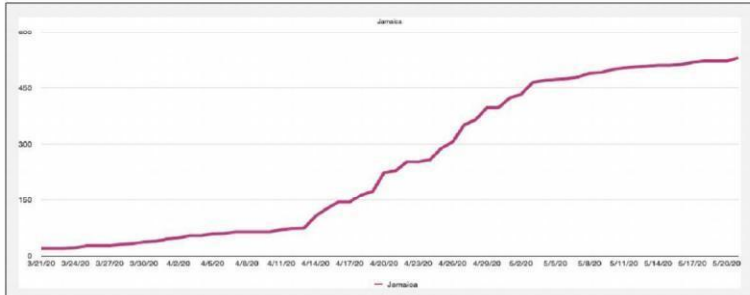
**CAYMAN ISLANDS & THE BAHAMAS, ALSO FLATTENING THE CURVE.**

DATA AS OF MAY 21, 2020



AND JAMAICA, THE BIGGEST CARICOM TOURIST MARKET, HAS ALSO SUCCEEDED IN FLATTENING THE CURVE.

DATA AS OF MAY 21, 2020

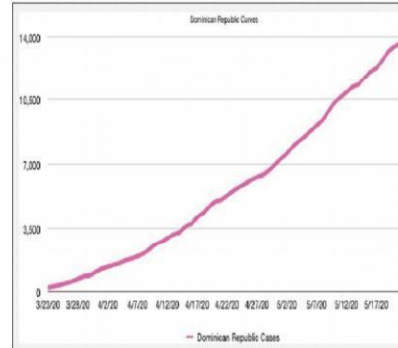


**BUT THE DOMINICAN REPUBLIC HAS EXPERIENCED DIFFICULTIES IN  
FLATTENING THE CURVE.**

DATA AS OF MAY 21, 2020

While the tourist islands of CARICOM and the Dutch Caribbean ([St.Maarten](#)) have been successful in flattening the curve, any thoughts that because of the hotter climate COVID-19 is less infectious can be dispelled by the Dominican Republic Curve.

Lose focus and CARICOM and the Dutch Caribbean could look like the Dominican Republic curve.



## CARICOM, THE OECS & THE DUTCH CARIBBEAN

The Governments of CARICOM and the Dutch Caribbean acted quickly to implement lockdowns, curfews and social distancing rules and to their credit the general public and business, including the tourism sector, took personal responsibility for following their government's rule and regulations. The governments and people of CARICOM and the Dutch Caribbean rightly deserve credit for succeeding in flattening the curve where so many more developed countries failed or took far longer to bring COVID-19 under control.

The challenge now is, that with COVID-19 under control in CARICOM and the Dutch Caribbean, it's time to reopen the economies and particularly the main driver for economic growth, tourism. Reopening borders and airports in a safe way that protects the gains that have been paid for so dearly in lost revenue to governments and commerce needs to be done in a way that protects public health against a second wave of infections but it also needs to give our visitors the feeling of health safety and security to give them the confidence to return to the Caribbean sun, sea and sand.

**There's safety and strength in numbers so if CARICOM and the Dutch Caribbean act together in unity there's a real possibility for the region to take the global lead and have real influence in reopening this tropical paradise.**

## WHAT TOURISM MEANS TO THE CARIBBEAN

- In 2019 the contribution of travel and tourism to GDP was 15.5% of the total economy.
  - The contribution of travel and tourism to employment was 2.4 million jobs.
  - Visitors spent 35.4 billion USD.
  - International arrivals were 26.6 million visitors.
  - 89% was spent in the leisure sector, with 11% being related to business.
  - Tourism is the lifeblood for most of the small island economies and restarting tourism while protecting health is challenge governments face.
- 
- **WE BELIEVE IN A SAFE TRAVEL ZONE SOLUTION.**

## THE CARIBBEAN SAFE TRAVEL ZONE



This presentation sets out how to create a Safe Travel Zone for CARICOM and the Dutch Caribbean with the motto to our visitors....

### *WE PROTECT YOU, YOU PROTECT US*

The threat from COVID-19 is far from over. May 22<sup>nd</sup>, 2020 saw the highest daily number of new cases ever reported, over 107,000 worldwide and the highest number of new cases in the USA for two week, over 28,000 on May 21<sup>st</sup>, 2020. But as the US opens up and the need for a vacation to break the 'Lockdown Blues' bubbles to the surface, in the Caribbean the level of the threat for a second wave needs to be understood and also put in perspective.

## THE CARIBBEAN SAFE TRAVEL ZONE

With the US as the travel market most likely to open in the short term, in order to be able to siphon out 'fake news' it's important for the public at large to understand what the numbers mean.



When we see millions infected worldwide, what's the real infection rate?



- When hear how COVID-19 testing is the key to controlling the virus, how many people actual test positive?




What's the likelihood of tourists with COVID-19 reaching our shores?



- And most importantly, how can we know and what can we do about it?

## UNDERSTANDING THE NUMBERS.

 What's the real infection rate, what's the likelihood of a tourist arriving with COVID-19 and what do we do about it?




o As of May 22<sup>nd</sup>, 2020 the nation wide infection rate in the USA was 11 COVID-19 case in every 100 of those tested. However, this varies considerably State to State with, for example, New York State at 23 COVID-19 cases per 100 of persons tested, almost 1 on 4, and California with less than 6 COVID-19 Case per 100 of those tested.



o Europe, as a whole, as of May 22<sup>nd</sup>, 2020 was similar to California, just over 6 COVID-19 Case per 100 of those tested. UK is almost 8 COVID-19 Case per 100 people, Italy is 7 COVID-19 Case per 100 people and Germany 5 COVID-19 Case per 100 people.



 It's also important to appreciate that in all these countries testing is focused more on people with possible symptoms and therefore the actual rates for a plane load of tourist could well be less.



o So what do these numbers mean? Opening to flights is a manageable risk provided testing is done to identify every visitor with COVID-19.



o **Ultimately, the challenge for governments is that just one undetected asymptomatic COVID-19 positive visitor can create a new hotspot in a resort and spread into the community. Testing is the only real solution.**

## WHEN TO TEST? BEFORE DEPARTURE OR ON ARRIVAL?

In an ideal world, global regulations requiring all passengers to have a valid COVID-19 Negative Test Certificate would be the answer. But today's world is neither ideal nor focused on the future..... COVID-19 has governments dealing with today's problems, global regulations are a long way in the future, if at all.

Without testing being a precondition to boarding, it's hard to see how the Caribbean, whether as a block or as individual countries, can put enforceable protocols in place that require testing before departure while still remaining relevant as a tourist destination. Airlines won't take on the responsibility unless required to do so by the FAA or a similar regulatory body like CBP in the States. Although Caribbean governments might hope for this, there's no evidence it can even work, given the fact that the majority of passengers headed for the Caribbean travel through two or more airports *en route* to their Caribbean destination.

This leaves **testing on arrival** as the only safe travel solution. Protocols for testing on arrive are explained later in this presentation.

## ENSURING A SAFE ST.MAARTEN DESTINATION

St.Maarten/St.Martin represents a unique situation. To optimize the COVI-PASS™ solution, French St. Martin authorities should be urged to adopt the same standards for incoming travelers at their regional airport in Grand Case.

Using COVI-PASS™ at both airports will avoid the need for border controls between the two sides of the island and retain the unique "two nations, one destination" travel option the island is famous for.

Transportation and hospitality sectors on both sides of the island benefit from the application of a single standard.

## DOES ANYTHING OTHER THAN TESTING GET THE ANSWERS NEEDED?

### WHAT ABOUT CHECKING TEMPERATURES ON ARRIVAL?

Some airports and back-to-work measures include digital temperature testing as a part of hygiene and social distancing protocols. While this can pick up on people with elevated temperatures it's important to understand that temperature is **not a replacement for diagnostic testing** because temp checks:

- 🌐 DON'T PICK UP ANY ASYMPTOMATICS (MORE THAN 60% OF COVID )
- 🌐 22% OF SYMPTOMATICS DO NOT EVER HAVE A FEVER
- 🌐 EVEN THOSE WITH FEVERS DON'T HAVE A CONSTANT FEVER. IT GOES UP AND DOWN AND IS ACTUALLY ELEVATED FOR A VERY SMALL PERCENTAGE OF TIME IN THE DAY
- 🌐 PASSENGERS ARE ONLY IN CUSTOMS FOR AN HOUR OR TWO RENDERING THE CHANCE OF PICKING UP AN ELEVATED TEMP EVEN IN SYMPTOMATIC COVID PATIENTS VERY SLIM
- 🌐 AND FINALLY. AIR CONDITIONED ENVIRONMENTS CAN ALSO AFFECT BODY TEMPERATURE

## IS THEIR TECHNOLOGY AVAILABLE TO CREATE A *SAFE TRAVEL ZONE?*

In July, the Canary Islands will be introducing a travel App where passengers with a digital health passport can show they don't have coronavirus.

So although CARICOM and the Dutch Caribbean will not be the first tourist destinations to use technology paired with testing, the technology being proposed in this presentation gives the highest level of data security, military encryption and cannot be hacked.

The Canary Islands App is a QR Code whereas the proposed Caribbean *Safe Travel Pass* uses V-Code.

**So what's the difference?**

## WHAT'S THE DIFFERENCE?

QR CODE



VS

V CODE



How QR Codes can fall short in the ID Sector due to 'ATTAGGING'

## WHY NOT TO USE QR CODES?

The QR Code is an open source un-regulated technology used in close proximity to kickstart a 'transaction' from a mobile device.

**MANY TRANSACTIONS ARE SUBJECT TO 'ATTAGGING'**

In Layman terms, **Attagging** is where a bad actor replaces a valid QR code with one they have created.

In most cases, this is done to divert payment of goods to themselves rather than the intended recipient.

This is usually done by linking a QR code to a similar domain named micro-site that the consumer wont notice when scanned using the native reader.

There are over 1 Billion false financial QR transactions per day in India alone

Digital ID is becoming a hot topic, both for immunity passports and general ID it too will be subject to 'Attagging' and other abuse

**QR CODES CAN'T BE SCANNED OUTSIDE OF THE 2M SAFE DISTANCING ZONE JEOPARDISING PUBLIC SAFETY IN VIRUS CONTROL CHECKS**





## WHY COVI-PASS™ USES VCODE

COVI-PASS™ is built using VCode® technology. VCode is an award winning, patented technology solution awarded the seal of excellence from the European Commission

The VPlatform that issues and manages the VCode® creation is closed loop which means all VCode® creations must flow through the central system that is end-to-end encrypted.

The VCode is not made up of destination data which means the platform can control what is delivered to the device screen using GeoFences, Time, Date, User ID, Device Type & Amount of Scans.

VCode technology is not subject to tagging due to the closed-loop nature of the platform and due to sensitive use cases being displayed only through COVI-PASS™ and other VCode enables apps (not URL triggered). The VPlatform is capable of producing 2.2 Quintillion ,collision free variations of VCodes.

The software development kit and api allows branched off secure products to be created and adopted like the COVI-PASS™ Digital Health Passport that has been promoted across the world and already being used in 15 countries.

**VCODES CAN BE SCANNED OUTSIDE OF THE 2M SAFE DISTANCING ZONE BOOSTING SAFETY IN VIRUS CONTROL CHECKS.**

## INTRODUCTION

COVI-PASS™ is a digital health passport that lets users and the appropriate authorities check and authenticate their health status safely and securely allowing them to resume normal life and travel.

COVI-PASS™ is powered by V Code/V Platform which are superior technologies when compared to QR code based technologies, thus rendering COVI-PASS™ as unhackable.

COVI-PASS™ is a solution built to handle the complexities required to bring passengers back to the Caribbean islands from sea or air travel. Tests can be administered and their results can be stored on their digital health passport.

COVI-PASS™ enables every Caribbean island to understand every passenger arriving, and keep a precise check on their COVID health status. It is recognized as one of the only solutions that is built to tackle the challenges faced with making the Caribbean islands a safe tourist destination again.



## OVERVIEW: HEALTH & FINANCIAL PROBLEMS

SARS-CoV-2 has changed the way we travel by air and sea forever. The Industry has weathered storms before, but none as rough as this. Nearly two-thirds of the world's 26,000 passenger aircraft are grounded, and some 25 million jobs are at risk. IATA has warned that carriers face a \$314 billion shortfall in ticket sales this year, and half of them face bankruptcy in two to three months, without Government help.











*"Roger Dow, president and CEO of the U.S. Travel Association recently commented that the impact on travel is six or seven times greater than the 9/11 attacks,"*

The effect on the Cruise Business has also been swift and continues to flag. Cruise companies have lost \$750 million in revenue since January, according to reports. Shares of the big players like Royal Caribbean and Carnival have dropped by 60 to 70 percent. Future losses will mount, and it's likely that sailings will be postponed at least until July or August.

**COVI-PASS™ IS THE SOLUTION TO GET THESE ENTITIES BACK TO PRODUCTIVE MODE WITH THE REQUISITE PEACE OF MIND**



## WHY SHOULD THE CARIBBEAN USE COVI-PASS™

- 
**ULTRA-SECURE** - VCode has 2.2 Quintillion image variations equivalent to 300m variations per person on the planet and uses military grade encryption to securely store data.
- 
**AUTHENTICATION** - COVI-PASS™ uses biometric ID verification to secure identification.
- 
**NO TRACKING** - COVI-PASS™ is dormant until it is scanned and therefore does not track its users in real time.
- 
**UN APPROVED** - Certified for safe use, VCode is being trialed for a wide range of applications by the UN with plans to bring the technology to 5 bn people worldwide by 2030.
- 
**SUPERIOR TECHNOLOGY** - A VCode can be scanned on or from a moving objects, on any multimedia or television screen, is up to 10s faster than traditional codes and can even be scanned when the VCode is microscopic or slightly damaged.
- 
**PERMISSION BASED** - Can grant users with 'green' health status access to different areas upon scanning.
- 
**SAFE DISTANCE SCANNING** - VCode can be scanned from over 100 metres, with an 80:1 distance to size scan ratio, at 170-degree angles.
- 
**INTELLIGENT COLOUR MAPPING SYSTEM** - A user's health status automatically changes from green to amber and red as they approach the date of their next test.
- 
**DYNAMIC CONTENT DELIVERY** - Different information is displayed depending on the access granted to different individuals. E.g The data a guard has access to is different from that of a healthcare professional.
- 
**ADVANCED ANALYTICS CAPABILITIES** - Users health status can be overlaid with scanning location enabling health care workers to quickly and accurately analyse interaction data.

## SUPERIOR TECHNOLOGY

QR code Vs VCode®

	QR Code	VCode®
Single scanner App/ Company lead SDK	✗	✓
Closed loop system	✗	✓
End-to-end data encryption	✗	✓
Dynamic content delivery	✗	✓
Ability to update/change content	✗	✓
Push notifications	✗	✓
Basic analytics	✓	✓
Enhanced analytics	✗	✓
ISO 27001 Compliant	✗	✓

The Caribbean needs a solution that is scalable, safe and secure. Traditional barcodes and QR codes are open-source and can therefore be downloaded liberally and integrated freely into any system.

The open-source nature of this means that there is no central database that keeps track of all the codes being generated leading to duplications but also opening up this unregulated technology to abuse like 'a-tagging' which is the impersonification of a code issuer leading the person scanning the code to the wrong destination.

This security risk would be unacceptable for the use of a Health Passport which has the personal health information of an individual encrypted within it.

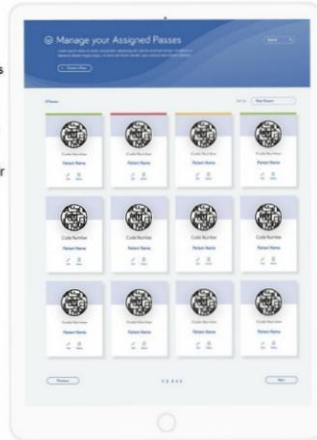
## HOW COVI-PASS™ WORKS

### 1 - SECURITY

- New user downloads the app and enters their details.
- Covi-Pass registered healthcare provider grants permission to activate COVI-PASS™.
- Only a registered Covi-Pass healthcare providers can open an administrative account to issue passes.
- Only users with authorised passes can use their digital health passport

### 2 - REGISTRATION

- Covi-Pass registered medical practitioner registers new passenger
- Covi-Pass registered medical practitioner can also scan the VCode if the passenger has already input their information to grant permission of use.
- The passengers information will be automatically updated in the travel records.



### 3 - TESTING

- Covid-19 test kit with VCode is scanned or serial number typed into the system.
- Rapid Covid-19 test administered to Covi-Pass registered individual and test results are recorded in the system.

### 4 - IN USE

- Expiration period for the next test date set which will enable push notifications to be sent to the individual as a reminder.
- CoviPass digital health passport assigned to users with the option for VCode to be printed on paper or embedded in a fob
- Intelligent colour mapping system alerts Covi-Pass individuals when their next test is due.
- Covi-Pass Registered Healthcare Providers can request users to update their health status and take appropriate actions.

## CROWD CONTROL

### SUPERIOR SCANNING CAPABILITIES... ENABLED BY VCODE

- Can be scanned on as little a size as 5mm
- Can be scanned from over 100m away
- Can be scanned from almost flat angle (170 degrees)
- Can be scanned even if code is 30% damaged or 10% opaque
- Can be scanned 10 seconds faster than other barcodes



## ONE CODE WITH INFINITE POSSIBILITIES

COVI-PASS™ offers a multitude of other options for the Caribbean Islands.

For example, in a few simple steps VCodes can also migrate the current E/D card for all passengers arriving at V.C. Bird International or Princess Juliana International Airport. All the information can be stored and shared faster than any other solution.

Since contact with Immigration and Customs will be severely limited, a VCode can offer immediate and secure uploading and processing of information needed on arrival.

VCodes can offer a vast array of other information, such as travel tickets, work ID, payment methods, passport and much more. There really are infinite possibilities.



**COVI-PASS**  
Digital Health Passport  
[www.covipass.com](http://www.covipass.com)

## TESTING FOR COVID - THE CARIBBEAN

### WE PROTECT YOU, YOU PROTECT US.

To ensure the Caribbean islands stay safe and bring back safe tourism to the island, correct testing measures will need to be carried out. Tests will need to be readily available, accurate, cost effective and administered to passengers planning to travel to any of the Caribbean islands.

#### COVI-PASS ENSHRINES THE MOTTO WE PROTECT YOU, YOU PROTECT US.

During the COVID-19 pandemic, safe health tourism is a two way street. Healthy tourists who have positive antibody tests or negative antigen tests. Only persons tested positive with the virus shouldn't travel. Likewise, the entire tourism sector in each Caribbean destination must ensure that anyone who interacts with their visitors must also have a positive antibody test or negative antigen test.

It's also important that in the case of persons with negative antigen tests these need to be retested at intervals in accordance with local Ministry of Health guidelines.

## WITH COVI-PASS™

### THERE'S THE FREEDOM TO ENJOY LIFE AGAIN

**For the tourist or business traveler.**



It is recommended that travelers download the Caribbean Covi-Pass App. Once downloaded, the next steps, some 'recommended', some "mandatory", are:



**RECOMMENDED** Between 72 to 96 hours before departure arrange for a COVID-19 PCR test or if available a Rapid Antigen Test at your local testing center or pharmacy. If your test is Negative you're good to travel, if your test is Positive you should contact the airline and inform them, the airline will then advise you on what to do, as you would not be allowed entry by immigration to the destination country. Include a copy of the COVID-19 Test with your travel documentation. **Should this COVID-19 Test come back Positive you won't make the trip to the Caribbean and should seek the necessary healthcare advice.** Furthermore, having this test before you travel will speed up your arrival procedures.







**MANDATORY** On arrival, COVID-19-Pass Prescreening and a COVID-19 antigen test is done at the designated health facility before immigration. The results will take less than 30 minutes.

## THE NEXT STEPS

1. Once the result comes back Negative the test details will be entered into your Covi-Pass and you can proceed to immigration and customs. All immigration and customs officers are Covi-Pass 'Green' and social distancing protocols will be followed as your Covi-Pass App negative code can be read by the officer's device at distances greater than 6 feet.
  - a. **MANDATORY.** If the test comes back Positive you will be accompanied by a medical healthcare provider to a hotel designated as a Government Quarantine facility. Then you will be accompanied back to the airport to return on the next flight to your international departure airport.
2. At your resort, hotel or guesthouse Covi-Pass 'Green' protocols are also in place and all major resorts are geofenced. Geofencing is a technique of serving smartphone users to creating a virtual perimeter or boundary around a business location which notifies users as soon as they enter the boundary.
3. Over a 7 day period your Covi-Pass 'Green' will slowly change from green through amber to red. Amber is a warning that you need to schedule a COVID-19 Rapid Test with the resident nurse or designated healthcare provider at the resort will make arrangements for the follow up Rapid Test. The need for this and future tests will depend on your length of stay.
4. Once back in your home country you should be able to continue to use your Covi-Pass as a right to work pass once you continue maintaining Green Status.

## WITH COVI-PASS™ BACK TO WORK!

-  All baggage handlers, taxi dispatchers, taxi drivers and hotel/tour guides are also Covi-Pass 'Green'.
-  The Airport perimeter fence is geo-fenced and only local personnel with Covi-Pass 'Green' can enter.
-  At your resort, hotel or guesthouse Covi-Pass 'Green' protocols are also in place and all major resorts are geo-fenced.
-  Everyone is alerted to the need to re-test when their Covi-Pass turns **Amber** and must arrange to be re-tested to get back **Green** status is to continue working.

## CREATING AN AIR BRIDGE WITH COVI-PASS™

- The UK government has confirmed that it will put in place a 14-day period of quarantine for anyone that lands on British soil in a bid to prevent the spread of coronavirus, potentially a terminal blow for Caribbean UK tourism for this summer. Who would go on a 10 day Caribbean vacation, just to return to 14 days quarantine?
- But there's fresh hopes of an international summer holiday for would be UK tourists, with the UK government confirming they are considering bilateral travel agreements – or 'air bridges' - with countries that have low transmission rates and have appropriate screening measures in place.
- The Caribbean 'Safe Travel Zone' App and protocols will simplify the process for Caribbean tourist destinations to gain access to the Air Bridge Program, potentially making the Caribbean one of the few sunshine destinations open to British tourists.

## COVI-PASS™ AS THE SOLUTION TO CREATING A SAFE TRAVEL ZONE FOR CRUISE SHIPS.

- In the early stages of the COVID-19 pandemic there was much focus on cruise ships as floating hotspots. The cruise travel industry has been hit harder than any other industry, even harder than airlines.
- However, with Covi-Pass cruise ships have the potential to be Safe Travel Zone bubbles, giving their passengers the peace of mind to return to this popular vacation experience.
- Cruise line have end-to-end control of their passengers, from pre-boarding to final disembarkation, giving the cruise line the ability to test every passenger as COVID-19 negative before boarding and by partnering with Covi-Pass destination ports in CARICOM and the Dutch Caribbean.
- CARICOM and the Dutch Caribbean in turn would geo-fence all duty-free shopping malls and require duty free shops, tour operators, excursions, taxis and tourist busses to be Covi-Pass 'Green'.
- CARICOM and the Dutch Caribbean governments should form a Task Force made up of their Ministries of Tourism for Diplomatic Missions in Miami to introduce Carnival and Royal Caribbean to this opportunity for quickly, and safely bringing cruise lines back to the Caribbean Safe Travel Zone. Covi-Pass experts and advisors are ready to support the Task Force in this initiative.

**WE PROTECT YOU, YOU PROTECT US.**

## REFERENCES



"I know VSTE prides itself on its 'Infinite Possibilities' – and it is exactly that sort of optimism this country needs to power its economy. Manchester's exciting tech industry is already sparking new ideas and new businesses and VSTE will be able to spread the word in India."

**Rt. Hon. Theresa May** —

Ex. Prime Minister of the United Kingdom

## WHAT OTHER PEOPLE ARE SAYING

**Rt. Hon. Dr. Liam Fox – Ex. International Trade Minister of the United Kingdom**

"VST Enterprises is a prime example of how UK firms are seizing the numerous opportunities available in overseas markets. It's great to see VST Enterprises follow the Prime Minister's Trade Mission to India with a new contract which will use the best of British innovation to deliver huge benefits for India and for the UK"

**Robert Wigley – Chairman, UK Finance**

"Britain excels in this sector and has been a global leader in cyber technology from the earliest days of the codebreakers. Alan Turing was one of the greatest British pioneers and innovators of computer science and technology. Today the UK has some of the brightest and gifted minds like Louis-James who can follow in his footsteps and take those early advancements and technologies forward as we progress in the digital world."

**Dr. Anas Nader - CEO and co-founder of Patchwork.Health**

"The importance of allowing hospitals to seamlessly call upon a vast network of trained healthcare workers for immediate service cannot be overstated – delays of several days are no longer sustainable and could make a life-changing difference to patients."

The world's Most Secure Digital Health  
Pass Built for The Caribbean ***SAFE***  
***TRAVEL ZONE***

