

# CORONAVIRUS TESTING/VACCINE PLATFORM

The recent outbreak of COVID-19 (Coronavirus) has exposed a perilous gap in our healthcare system—the ability to react efficiently to pandemic disease. Despite spending \$3.2 trillion dollars annually on healthcare, the United States is ill-prepared to identify, test and store patient viral health data. For economic activity, including air travel, to resume at previous levels, this infrastructure will require modernization.

While the scientific community is creating new, cheaper COVID-19 test kits and has begun clinical trials for new vaccine candidates, Curadite is developing a platform to streamline and expand testing/vaccination capacity. We believe there is no better first target deployment than the beleaguered airline and travel industries.

## PANDEMIC TESTING AND VACCINE PLATFORM PILOT

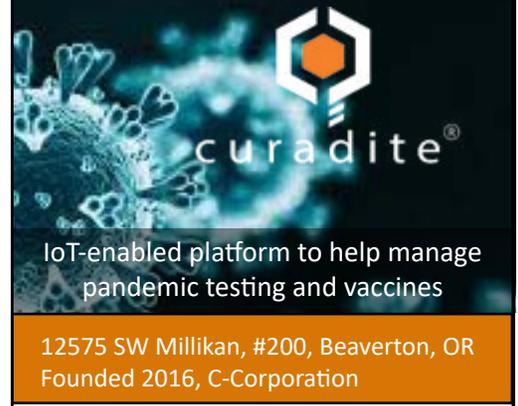
Curadite’s patented intelligent packaging platform (CuraPac) was designed for this challenge. From corporate headquarters to airport hubs, manufacturing facilities to aircraft carriers, the need to deploy critical healthcare supplies, capable of addressing the challenge of rapidly developing infectious outbreaks, is vital. In the case of air travel, COVID-19 is having a devastating impact; in Hawaii COVID-19 has prompted the implementation of a 14-day quarantine that has increased the unemployment rate to over 34% and likely to reduce state tax revenues by \$2 billion.

Curadite’s CuraPac packaging technology establishes a digital chain of custody that can authenticate the origin of test/vaccine inventories, monitor their distribution, accurately record critical dispensing events and trigger the creation of confidential, cloud-based viral health profiles (VHP). This platform could streamline airport-based testing of flight/cabin crew members and passengers. Similar to modern airline boarding pass systems, Curadite can use cell phone notifications and profile scanning to manage test kit dispensing for travelers who are flying to destinations requiring pre-flight viral testing.

## AIR TRAVEL/TOURISM ECOSYSTEM

Curadite is currently retrofitting our platform to support a Q4 2020 technology demonstration pilot, focused on Hawaii. Our immediate stakeholders include: airlines, airports, tourist destinations, public health officials, port authorities and medical test kit partners. From both an economic and public safety standpoint, accurate VHPs will help support safety policies that can become best practices for a growing number of destinations and municipalities.

In the case of Hawaii, a pilot will provide measurable statistics that can quantify our platform’s impact on passenger volume, infection rates, testing capacity, infrastructure gaps, passenger queuing and other factors that might help guide future airport design or policies. Participants in this pilot will help chart the future of Post-COVID-19 air travel safety “best practice” policies and procedures.



**POST-COVID-19 AIR TRAVEL FACTS:**

- 2020 air travel losses could reach \$519B
- Hawaii has been one of the hardest hit US states with a 98% drop in travel and a 34% unemployment rate as of 5/10/20

*The Hawaii Tourism Association reports, that 1,080,000 passengers arrived in Hawaii from March 26 to April 30, 2019 (36 days). Only 4,508 out-of-state visitors arrived (an average of only 128/day in the same period in 2020)—all of whom were quarantined for 14 days.*

*“Hawaii’s tourism recovery could take years, experts say”  
Hawaii News, Allison Schaefers, 5/8/20*

