



Vaccination Management Credentialing, Validation & Tracking System



COVID-19 has produced damages to global life and economies that demand dramatic worldwide changes to responsibly sharing parts of an individual's health record. These changes are needed immediately and are necessary for the re-opening of economies and to enable safe global travel. Four technology companies SICPA, ABCorp, Salamander Technologies, and Allied Identity have built a strong patented solution to help repair these damages.

Problems Today:

1. No accurate record keeping with credentials for vaccinations that are:
 - a) Readable and interoperable across international borders
 - b) Bound to the dispensing agent
 - c) Bound to the vaccination or test
 - d) Accurately date stamped
2. The current ICAO-WHO system centered on paper documents is based on trust and endemic with fraud.
3. There is no validation of the data on these paper documents.
4. There is no tracking of vaccinations or testing at a granular level and nothing is bound to an individual with absolute identity.
5. The current paper document is not durable or tamper proof.

The Solution:

Our comprehensive system is designed to stop the spread of communicable diseases by improving the documentation around the testing and vaccination process. This is done by providing secure validation of the tests or vaccination data, Opt-in tracking movements of people, and removing the fraud from the system.

The system makes exceedingly small changes to the workflow of dispensing vaccinations and in the consumer use of yellow card credentials for international travel. The system benefits not only the issuing nation but their reciprocal partner nations as well.

Through the sophisticated use of secure silicon, big data, secure blockchain, and cloud technology the system enables a real-time holistic view of an individual's vaccination record or a population's health in relation to pathogens. This data is critically important in measuring the efficacy of not just the COVID-19 tests and vaccinations dispensed, but the effects of vector control against the backdrop of geographic realities and the movement of citizens.

Problems such as COVID-19, SARS, Zika and Ebola are now a reality of the 21st century and this is the tool to help in the prevention of reinfections for stable populations.

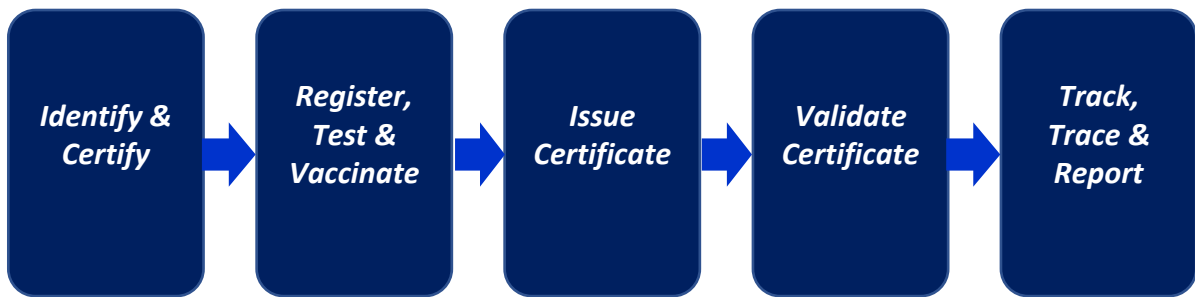
This technology suite is based on patented technology from four experienced corporations. The products exceed NIST, ICAO, and HL7 standards and are designed to have backward compatibility with most existing border crossing systems installed today. The credentials use sophisticated blockchain signature technology to validate the data. The data is then tracked with the real-time system from Salamander Technology and optional trace technology from 3rd parties for hyper-localization in dense locations. Lifecycle tools such as cert revocation and notifications are built in as part of our management suite.

Well after the current economic damage is repaired, our system gives nations a set of tools to protect their populations and respond to other incidents with confidence. Our system is scalable and available today.



5 Steps to Protection

The Combined Technologies of our Companies provides a comprehensive Short- and Long-Term End to End Solution



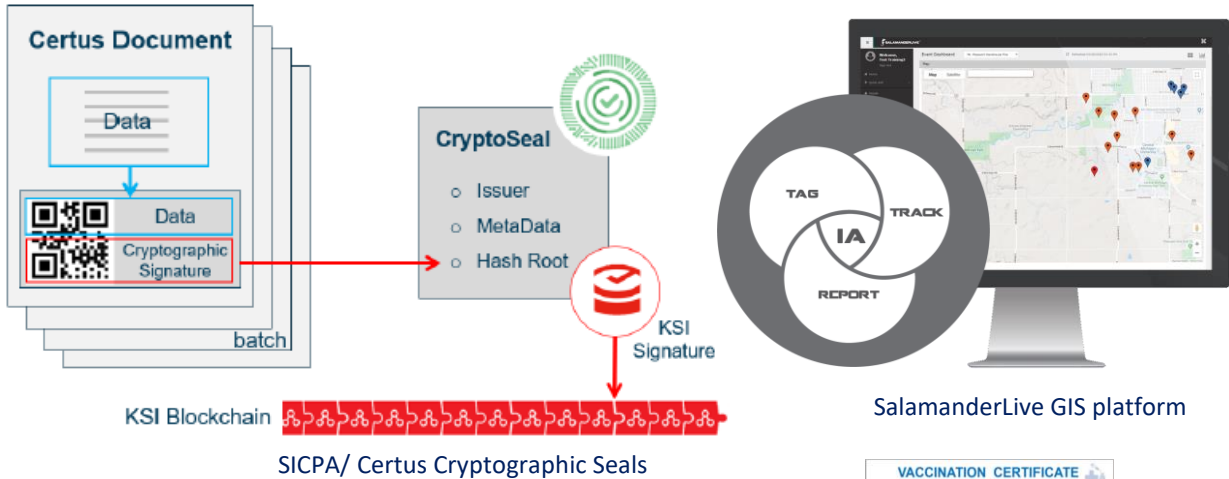
8 Reasons Why Us

1. This system will save lives and improve the safety of citizens with actionable data - today and tomorrow.
2. This proposal can help speed economic recovery.
3. The solution as proposed is built by US and Swiss companies.
4. This system will rebuild trust in travel and can help the airline/travel/tourist industry.
5. The system will protect personal privacy and liberties. It is HIPPA and GDPR compliant.
6. We are the only organization with Patented Intellectual Property that covers both tracking and credential technology tied to healthcare records.
7. The SICPA-Guardtime KSI Blockchain is accredited as a qualified trust service under the EU's eIDAS regulation 16. It is it the only blockchain-based service accredited for public sector and governmental use in the EU
8. The proposed system provides a permanent data infrastructure for:
 - Securing borders from infectious travelers
 - Identity Services
 - Emergency Responses
 - Public Health Incidents
 - Healthcare transaction integrity



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Primary System Components and Deliverables



KSI Blockchain

SalamanderLive GIS platform

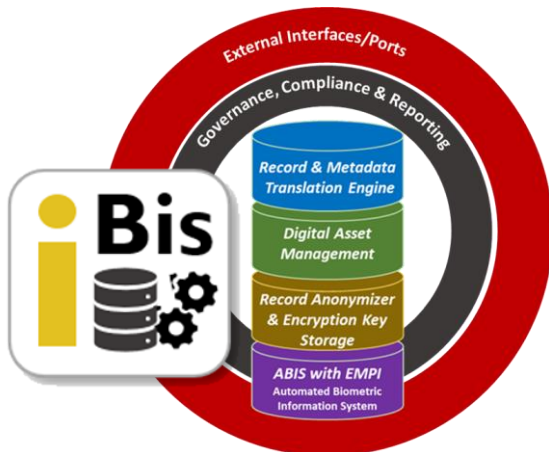
SICPA/ Certus Cryptographic Seals



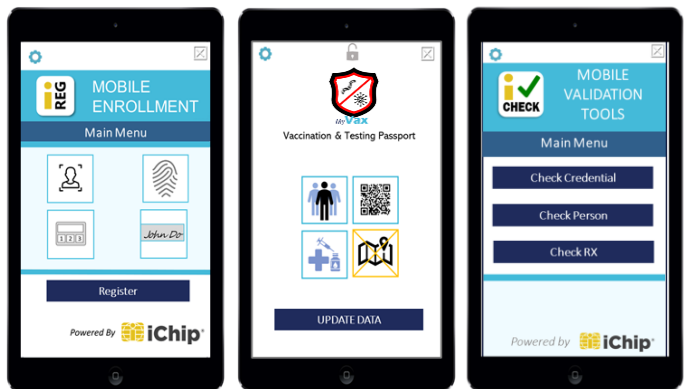
Secure Travel Cards from ABCorp



PDF Certificates from the system



iBis Identity Server from Allied Identity



Issuer, Recipient and Validation Apps from Allied Identity

Vaccination Credentialing & Management



Vaccination Management Credentialing, Validation & Tracking System



ABC Corp's roots trace back to American Banknote, a global and trusted provider of secure products and solutions. The company's history is almost as old as America itself, dating back to 1795 when the recently established Bank of the United States called upon them with a critical mission: create a counterfeit-resistant currency for our young nation. American Banknote Corporation has grown into a global organization, employing people throughout the world. Their operations are across the Americas, Australasia, Europe and Africa.



SICPA, is a trusted security provider and adviser to governments, security banks, high security printers and industry – providing secured identification, traceability and authentication materials and services. Every day, governments, companies and millions of people rely on them to protect the integrity and value of their currency, personal identity, products and brands. They are based in Switzerland and have 33 offices worldwide.



SalamanderLive provides businesses, organizations, and emergency management agencies with the tools they need to manage small and large events as well as day-to-day activity. Their platform & data suite offers unrivaled situational awareness, providing a common operational picture for everyone involved. Salamander combines three key functions into one integrated solution: TAG, TRACK, & REPORT. These real-time resources can be made available at the scene from anywhere in the world. Salamander links physical with digital, providing information to assure everyone and all assets are accounted for. Deployed in every state in the US, over 1.1 million first responders and public health persons are on the system spanning 28 thousand Federal, State, Emergency services and Health agencies. All of these are currently running on the Salamander Platform.



ALLIED IDENTITY

Allied Identity's focus is providing frictionless transactions through absolute identity. Their iChip Platform Suite is a collection of software and hardware components that work together to enable every process step in a strong Identity Ecosystem.



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