Volan Positioning System™

How can you safely reopen school?
We have the software solution.

Data is the Vaccine
Experts
startups, edu, hospitality

Advanced tech
AI & data analytics

Presence
Est. 2018 & national
FEDERAL GUIDELINES FOR SAFE SCHOOLS

- Social distancing
- Contact tracing
- Temperature screening
- Privacy
Volan Positioning System (VPS)

AI-powered micro-location and analytics technology

Zero dependency on smartphones, GPS, Wifi

- Precise and private Contact Tracing in seconds
- Automated occupancy monitoring
- Dramatic improvement in incident response
- Privacy protection of students and staff
100% BLE5 mesh network
pervasive & private
no dead spots, self-healing
2-factor encryption privacy
low power consumption

Smart Portable Sensors
record precise 3D location in real-time & historical. Serve as panic alarm and access control.

Geofencing Mesh Sensors
fixed sensors create geofence in each room/zone, relay messages to VRS mobile App

Encrypted Cloud Platform
Private site location positioning, anonymous records, global trend analytics
Instant Contact Tracing
Precise, private, prioritized

Social Distancing Automation
Auto-alert over-capacity

Micro-Analytics at Scale
Actionable analytics

Incident/Emergency Reports
Who, what, when, where
Patented Contact Tracing System
Exceeds CDC expanded guidelines

- Trace thousands in seconds
- Direct and Indirect exposure
- Location history infection map
- Room risk scoring algorithm
• Know who is on site and if symptomatic
• Location positioning for accurate contact tracing
• Auto-trace interactions for 14 days
• Prioritize and rank exposure risk
• Automate social distancing
• Dramatically improve emergency response
• Automate daily tasks like attendance
Live map 3D location of everyone, every incident, everywhere.

Smart sensors report and respond to incidents with extraordinary speed & information.

Unprecedented View for managers and first responders.
Benefits for your school

- Save millions of dollars in manual tracing
- Prevent virus spread through immediate intervention
- Avoid quarantining large groups unnecessarily
- Avoid disruption due to untracked exposure
- Dramatically improve safety of community
- Automate time-consuming rostering and attendance
- Increase confidence of being a safe school
Keeping Data Private

1. Volan uses AES-256 Encryption in our iOS App and online dashboard
2. Personally Identifiable Information (PII) can only be stored locally on the iOS App and is an optional feature
3. Volan Dashboard powered by AWS does not store PII data
4. Authorized Admins (e.g. Principal) assign Volan IDs (4-digit #s) to individuals
5. Cards do not store data to eliminate the liability of lost/stolen cards
6. AES-256 Encryption (used by the NSA and never been hacked) keeps data locked safe
INTEGRATED ACCESS CONTROL

Integrated with leading access control systems.

One smart card to open doors, make payments, contact trace, crisis response, rostering.

Eliminate the necessity for students to carry multiple cards.
Real-time Locations Only Onsite

Volan’s real-time positioning system only works when devices are in the custom geofence.

Property 201

Devices disconnect from VPS once a user leaves the geofence.
THE COMPETITION

SMARTPHONE CONTACT TRACING IS UNRELIABLE AND IMPRACTICAL

Inconsistent
Requires ALL phones to have Bluetooth On and App running

Inaccurate
Too broad an ‘exposure area’ creates too many false positives. Requires direct phone proximity.

Incomplete
Opt-in requires mass volunteers for reliability yet major privacy risk

The Washington Post
Apple and Google are building a virus-tracking system. Health officials say it will be practically useless.

The Wall Street Journal
Singapore Built a Coronavirus App, but It Hasn’t Worked So Far
The city-state’s experience in digital contact-tracing holds lessons for other countries, including an Apple-Google effort in the U.S.