During the current COVID-19 Pandemic, identifying early symptoms of the virus is key in preventing the spread. One of the most important indicators of the novel coronavirus is still the body temperature.

To adjust to the “new normal”, thermal checks have become part of daily life; but:

- How accurate are they?
- Are they efficient enough?
- Is “social distancing” applied during the checks?
- Is there a better solution in the market?

PouchNATION™ has developed a new efficient and precise tool to screen and check masses and individuals: PouchPASS.
PouchNATION is SEA’s Leader in Crowd Management Technologies, Behavioural Analytics and Reporting

- Providing technologies, to help keep people safe, since 2015
- #1 Crowd Management and Access Control Technology in SEA
- 100% in-house research and development
- 8 Offices across 7 Countries in Southeast Asia. Technology applied in over 25 territories worldwide
- Supplied over 3.8 million technology wearables
CURRENT PROBLEM – majority of temperature scanning solutions available in the market are either ineffective or not precise

- Single point temperature measurement + traditional handwritten data: Ineffective and open to errors
- Door temperature measurement: Not continuous
- Close temperature measurement: Easily transmittable and no safe distancing
Body Temperature Monitoring Wristband can measure body temperature continuously, with no interpersonal physical contact and data will be automatically synchronised with PouchPASS application in real time.

**Our Solution**

- PouchPASS application allows for monitoring individual’s temperature and location through gathering of data from the technology wristband.
- Wristbands can be monitored via a local network, using bluetooth technologies, and/or by linking to the PouchPASS mobile phone app.
- On a larger scale, PouchPASS users can be monitored through a dashboard, using Cloud-based technology.
- Accessible for both iOS and Android users.
- Available in several language options; English, Thai, Vietnamese, Bahasa Indonesia, Chinese and more*.

*Pending development timeline

*Internet connection is required to see real-time report
NEW - Health Tracking Feature

- Allows you to monitor in real-time body temperature
- Data will automatically be synced via bluetooth to local network(s) and/or your PouchPASS application
- Reports can be downloaded daily, weekly or monthly
- An alert will be sent if user’s temperature is higher than standard
- Easy to sign up and sign in process

*Internet connection is required to see real-time report*
Set-up 1 - Individual or family application

- **Body Temperature Monitor Wristband**
- **Bluetooth Synchronization**
- **Suitable for personal use as well as monitoring your family’s health**
- **Continuous remote monitoring to alert health irregularities**

*To view more than one user, Dashboard access is required
*Internet connection is required to see real-time report
Set-up 2 - Bluetooth stand-alone

- Able to track Real-time Body Temperatures of individuals within your office or building areas via a managed Cloud-based dashboard
- Lower labour costs
- Easy to identify individual's location
- Alert individuals via notification

*To view more than one user, Dashboard access is required
*Internet connection is required to see real-time report
Set-up 3 - Integrated app and user monitoring cloud-based dashboard

- Able to track Real-time Temperature Monitoring System both inside and outside the office
- Continuous remote monitoring to avoid cross infection
- Efficient solution to export infected individual journey report and send to Disease Control department

*To view more than one user, Dashboard access is required
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Real-time Monitoring Dashboard - Overview

- Allows system operator and management team to view data summaries of their users, such as:
  - User status
  - Geolocation information
  - Temperature trend
- Easy to import new users database into the system’s “Watchlist”

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Real-time Monitoring Dashboard - Live Map

- Monitor users’ location through your system
- You can view “At Risk” users individually to see their location history
- Enables you to track user locations outside the office with real-time data synchronised from users’ PouchPASS application via Cloud

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Form Factors and Additional Equipment

**PouchPASS Standard Wristband**
Body Temperature Monitor Wristband (Non-RFID)

- MAX30208 - Clinical grade temperature sensor, up to ± 0.1 °C measurement accuracy*
- No Charging, No Worries!
- 100% dust resistant and wearable in 1 meter water depth for 30 minutes (IP67 Rating)*
- Custom branding and colors are available

**PouchPASS Plus RFID Wristband**
Body Temperature Monitor Wristband with RFID Integration

- Standard PouchPASS Wristband features and more!
  - **Cashless Payment** - Go Digital
  - **Access Control** - Collect attendance records and Control restricted areas
  - Advanced consumer data collection and analytics reporting

**Bluetooth Data Gateways**

- Required hardware for local network / group reporting
- Allows for precise location of individuals within a building / space
- Indoor and outdoor version available
- Wi-Fi rate can reach maximum 100M and Bluetooth rate can reach 1Mbps*

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*According to component manufacturer data sheet*
PouchPASS screening technology can be used during COVID19 lockdowns, and also post COVID19 period.

During COVID 19
- Quarantine: Monitoring of suspected cases in quarantine
- Mass Gatherings: Health Screening prior to mass gatherings
- Organizations: Monitoring staff, students and visitors personal attendance and health
- Factory: Monitoring workers health

During COVID 19 and Post Lockdown
- Events
- Venues
Non-RFID PouchPASS Wristband Use Case - Household

Individual and Family

Parents able to monitor health via PouchPASS app and family members via dashboard in real-time

School
While children are at school

Home
Monitor elderly status at home

High temperature alarm

Able to call emergency contact* within PouchPASS application

*To view more than one user, Dashboard access is required
*Internet connection is required to see real-time report
*Feature development process is in the pipeline
Non-RFID PouchPASS Wristband Use Case - Airport

Temperature monitoring technology can be used for incoming passengers that have to strictly follow a 14 days quarantine.

**Arrival of passengers to the airport**

**Airport Screening & distribution of Wristbands**

“At Risk” passengers go to quarantine facilities

**People in quarantine**

Centralized database with Geo-location and Temperature Data

**Benefits of Temperature Monitoring System**

- **Security Tracking**: allows tracking real-time if suspected cases are not following the quarantine rules.
- **Health Status Tracking**: gives real-time indication on the status of the people in quarantine. In case health status is deteriorating a message can be send to the local hospital/doctor.
- **Integrated Database**: allows collection of all the relevant geo-location and health data.

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Non-RFID PouchPASS Wristband Use Case - Corporate / Organization

Temperature monitoring technology can be used in any venue and is suitable for office buildings or controlled areas.

**Sample Case: Factory**

| Temperature | 36.2 | 36.4 | 36.6 |

Centralized database with Workers and Temperature Data

**Temperature Monitoring System Factory Benefits**

- **Easy Detection:** easy detection system if any of the workers are not healthy
- **Alerts:** immediate alert to the staff on duty if the workers have fever
- **Disease Spread Prevention:** allows to quickly take action before others get infected

*To view more than one user, Dashboard access is required
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RFID PouchPASS Wristband Use Case - Mass Gathering

Any mass participation gathering can use the wristbands as health screening tool prior to the event day.

14 days Monitoring Period

During 14 days the Wristband and Application will report the Health Data of the Event Goers.

Event Day

Event goers with healthy track record over past 14 days will be allowed entry.

Event goers without a 14-day healthy track record may be denied entry.

Event goers can enjoy a seamless experience inside the event venue:
- Fast and easy to purchase any items
- Create quicker and more efficient lines at the Foot and beverage outlets
- Captured customers’ spending behaviours, allowing Organizers and Sponsors strategically plan for their next events

*Internet connection is required to see real-time report.
RFID PouchPASS Wristband Use Case - Educational Institutions

Temperature monitoring technology can be used in schools

Temperature Monitoring System Benefits

**Easy Detection:** easy detection system if any of the students are not feeling healthy

**Alerts:** immediate alert to the teacher if the student has fever

**Disease Spread Prevention:** allows to quickly take action before other kids get infected

But it doesn’t stop there - **do more with RFID!**

Students, Teachers and staff can “tap” to:

- Complete their attendance
- Purchase F&B at school’s food court

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## Those who put their trust in us

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<tr>
<th><strong>TIX ID</strong></th>
<th>Indonesia’s Largest cinema ticket agent</th>
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<td><strong>THAICTICKET MAJOR</strong></td>
<td>Thailand's Largest Ticketing Company</td>
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<td><strong>sentosa</strong></td>
<td>Singapore’s popular tourist and entertainment destination</td>
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<td><strong>GENTING BERHAD</strong></td>
<td>Genting Group is a leading Asian multinational with businesses in the leisure &amp; hospitality, plantations, property, biotechnology, cruise liners</td>
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<td>Forbes - International media group</td>
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