

## **PANDEMIC IMPACT CONTROL SYSTEM (PAIMCOS)**

### **A Large-Scale Quarantine Monitoring Solution. (Patent Pending)**

We believe that you have a key role to play in defeating Covid-19, and that you will be prepared to spend 5 minutes to read this factsheet, so that you can help to Save Lives & the Economy.

We have developed a Quarantine Monitoring System which ensures that people required to quarantine by government do actually obey the rules and stay at home for the 14 day quarantine period. It thereby addresses the situation, previously reported for Victoria, that up to 25 percent of those quarantined do not abide by the rules.

Our Quarantine Monitoring System is the final piece in the jigsaw, turning the Test, Track and Trace System into a Test, Track, Trace and Monitor System. We believe that monitoring people who are required to quarantine is key to controlling community transmission of the Virus. To this end, Quarantine Monitoring is an essential mechanism both to avoid costly lockdowns, and to allow faster opening of borders and all parts of the economy.

We know that very effective Contact Tracing systems are in place. So far, however, they rely on dedicated venues. While these approaches work, they have capacity and price constraints. Our community-based system is readily aligned with established Tracing Hubs and Training Manuals.

Our Quarantine Monitoring System (Patent Pending) is a large-scale reliable extremely cost effective solution, which allows and enables the existing Track and Trace Staff to easily monitor those quarantining, without the need for unnecessary costly visits to check up on people.

**Our “Quarantine Monitoring System” (QMS) has the following key features :-**

- 1. QMS can interface to existing Track and Trace Systems where records of “People Required to Quarantine” (PRQs) are already kept.**
- 2. QMS can be operated by the same Staff who already operate Track and Trace Systems and there is no need for additional Staff.**
- 3. QMS works equally well with Android and Apple phones.**
- 4. QMS does not require any APP (or process) to be downloaded onto any phone.**
- 5. QMS provides defence against spam and robo calls, scams and cyber-attacks without the use of passwords (entered or memorised).**
- 6. QMS uses geo-fencing in conjunction with SMS messages.**
- 7. QMS only requires the Phone Number and the coordinates of the “Designated Quarantine Location” (DQL).**
- 8. QMS does not require any personal information, thereby addressing any privacy concerns.**
- 9. QMS makes sure people are where they are supposed to be - at the DQL.**
- 10. QMS automatically checks PRQs are at the DQL on a frequent but random basis.**
- 11. QMS incorporates procedures to detect a PRQ who has broken the quarantine rules by leaving their phone with someone else at the DQL.**

**12. QMS incorporates procedures which can alert the Authorities or the Police immediately if the PRQ is not at the DQL, and can provide the co-ordinates where the PRQ can be apprehended.**

**13. QMS uses an Artificial Intelligence driven approach to apply fraud deterring measures.**

**14. Quarantine Monitoring stops when SMS messages are no longer being sent to the phone.**

**15. Failure by a PRQ to respond to an SMS message from the QMS can be taken as a violation of the quarantine rules, and acted on appropriately.**

**16. QMS provides fast triage at checkpoints, requiring only an ID document. The solution involves less overhead than the current registration requirements at venues (cafes, pools, on-campus etc.)**

With these attributes, our system is an effective tool to address large target groups including returning Australian citizens and returning overseas students. QMS also facilitates home quarantining for people from diverse language groups.

We are keen to see our Quarantine Monitoring System deployed by government as soon as possible to help to Save Lives & the Economy. If you believe you can help us to advance this aim, we would be happy to hold an online meeting (Teams, Zoom etc) with you and your colleagues at your earliest convenience. We would involve 5.1.2e in the online meeting.

5.1.2e