Octopus National Health Crisis Management Platform and Quarantine Monitoring App

A new approach for National Health Crisis Management

The Octopus Health Crisis Management Platform and Mobile app allows Cities and National Crisis Service Organizations to offer the public with a comprehensive personal monitoring app. The Octopus System allows municipal and national health organizations to enhance the public’s sense of safety, wellbeing and interaction with response services, and at the same time allows the national health organization to monitor people who are in quarantine and need to be isolated, while raising the government’s trust in the eye of the public.

PERSONAL MONITORING APP AND NATIONAL HEALTH RESPONSE CENTER
HOME PERSONAL MONITORING APP FOR PEOPLE IN ISOLATION

The Octopus mobile system is a mobile app that will be downloaded by people who need to register themselves in quarantine due to suspicion or high risk of Coronavirus. The person will download the app and will register his details. The person will check-in everyday and report himself in home quarantine. The person will be monitored by the response center which will receive a notification if the person leaves the geolocation of his home. The mobile app will allow the person to send the response center updates about any signs of disease or changes in his condition, to have a video chat, and to receive notifications from the national health response center.

USE CAMERAS AND SENSORS TO MONITOR HOME QUARANTINE

The Octopus solution can come with a home monitoring camera to provide additional monitoring and alarm notification if a person leaves his home or if he wants to have a live video conference with the national health response center. Additionally, an IoT wearable device can be used to monitor the quarantined person’s temperature.
HIGHLIGHTS

MOBILE APP CAPABILITIES

• Panic distress button
• Check-in report
• Two-way Voice, video, Chat and Messaging
• GIS map services
• Geolocation with virtual fence alarms
• Push to Talk (PTT), Push to Video (PTV)
• Mobile dispatcher to quarantined user location
• Watch video from external sources (cameras, drones, and more)
• Web based Dispatcher/ Management Console
• Voice & Video recording and debriefing services
• Supports both iOS and Android
• System administration portal

DATA PRIVACY AND SECURITY

• Biometric login
• End to end AES-256 encryption, HTTPS secure data transfer
• User/service two-way authorization and authentication
• Cybersecurity mechanisms