PROXIMITY & SOCIAL DISTANCING MONITORING SOLUTION

Since the whole world is on a lockdown and some of the countries are trying to re-open by trying to allow companies to operate again, they are already facing the challenges ensuring that people are secured and keeping the distance, as well as wanting to track all interactions between the infected person and healthy person. Our solution works as a proximity device, enabling Voice Communication in case of emergency as well as Man-Down or No-Movement features.

CONFIGURABLE BUTTONS

5 buttons that can be pre-configured

VOICE COMMUNICATION

Two-way voice communication

SLIM DESIGN

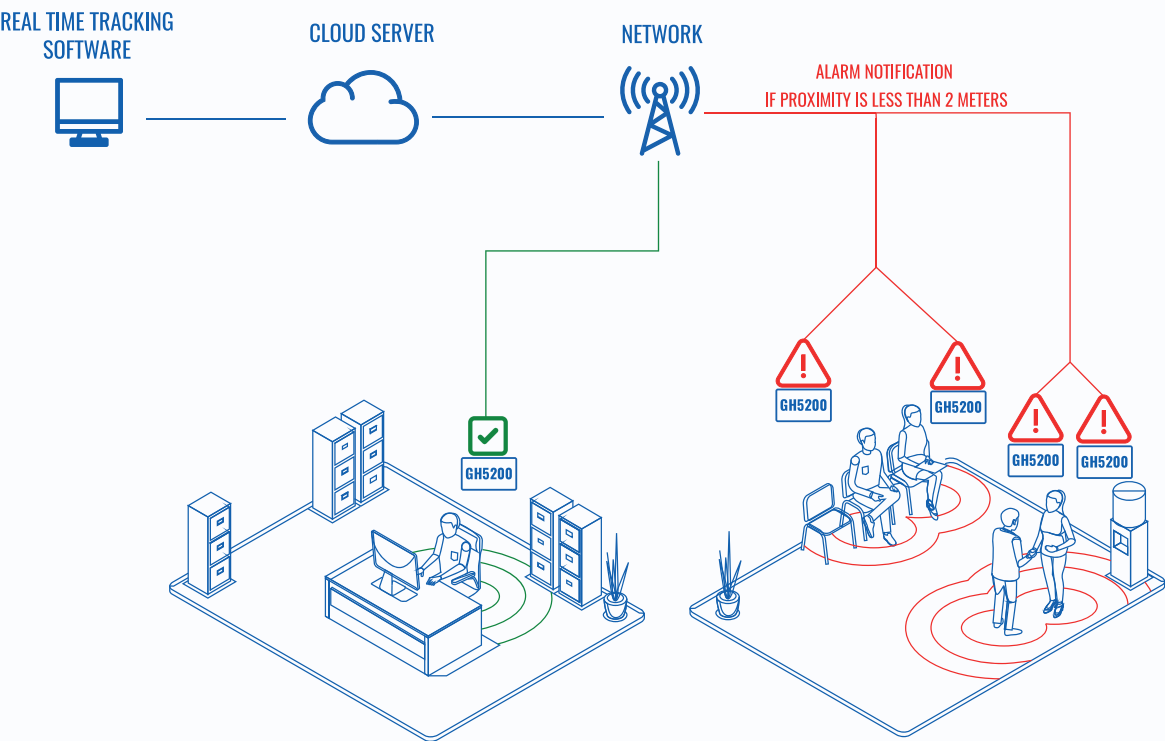Slim design for comfortable every day use

SPECIAL SCENARIOS

Man-Down, Alarm & No-Movement scenarios

CALL OPTIONS

Up to 5 call/SMS recipients in case of emergency event

WHY DO EMPLOYERS NEED TO THINK ABOUT COVID-19?

• There is a risk that people which are coming back to work might unwittingly bring the COVID-19 virus to their work place. Others might be unknowingly exposed to COVID-19.
• Although COVID-19 is a mild disease for most people, it can make some very ill. Around 1 in every 5 people who catch COVID-19 needs hospital treatment.
• Employees who are coming back to work, they need to be protected, since they can bring the COVID-19 back home to their families

Information provided

1	Full list of interactions between particular ID's
2	Employees who breached the distance
3	BT communication with Proximity Devices only
4	Buzzer and sound alarm notification in case the proximity was breached

Hardware

Module name	TM2500
Technology	GSM, GPRS, GPS, BLUETOOTH (4.0 + LE)
GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS
Receiver	33 channel
Tracking sensitivity	-165 dBM
Accuracy	< 30 cm
GNSS receiver start times	Hot < 1 s, Warm < 25 s, Cold < 35 s
Cellular technology	GSM
2G bands	Quad-band 850 / 900 / 1800 / 1900 MHz
Charging voltage	5V DC with over-voltage protection
Battery	1050 mAh Li-Ion battery
Power consumption	1,5 mA (Ultra Deep Sleep), 3,5 mA (Deep Sleep), 4 mA (Online Sleep), 8 mA (GPS Sleep), 44 mA (nominal)
Supported peripherals	Headset
Interface	5 Configurable buttons, GNSS antenna (Internal High Gain), Cellular antenna (Internal High Gain), 2.0 Micro-USB, 3 LED indicators, Micro-SIM, e-SIM possibility, 128 MB internal flash memory

Software

Operating temperature	-25 °C to +65 °C
Storage temperature	-25 °C to +85 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP41
Sensors	Accelerometer, Gyroscope
Scenarios	Over speeding, Man – down, Alarm, Auto Geofence, Manual Geofence, Action on call, No-Movement Event, on Demand Tracking
Sleep modes	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
Configuration and firmware update	FOTA Web, FOTA, FMB Configurator (USB, Blue-tooth), FMBT mobile application
SMS	Configuration, Events, Debug
GPRS commands	Configuration, Debug
Time Synchronization	GPS, NITZ, NTP

Physical specifications

Dimensions	93 x 64 x 10 mm (L x W x H)
Weight	80 g