

HD DISTRIBUTING

Corona Tag by HighSecLabs



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Let's Get Back to Work!

Social distancing has been proven as the most effective way to reduce the spread of Covid-19. Businesses and schools are faced with the need to maintain and monitor social distance in the workplace and in hallways. A single infected person can shut down an entire facility and therefore challenge much needed business continuity.

The social distance monitoring **CORONA TAG** is designed to *respect privacy* while monitoring social distancing and reduce the need for a wide shutdown in case of infection.



Who Makes the Corona Tag?

HighSecLabs or HSL is an Israel based cyber security company operating in the United States and Europe. Among its customers are many of the world's leading defense and security organizations.

HSL is used to develop innovative products in a short timeframe to meet the dynamic and secure requirements of its customers.



Protecting Privacy

- ① The **CORONA TAG** implements a special process that provides the best protection for a person's privacy.
- ① The Tag's Bluetooth radio is only used to measure the distance to other Tags. *It does not pair, receive or transmit data to any other Bluetooth device.*
- ① The only time that data is being extracted is when an authorized administrator uses a proprietary cable and software to extract history events from a confirmed Covid-19 person's Tag.
- ① Tags only record other Tag numbers, exposure time and distance. *No location, names or other private data is collected.*
- ① Information is only kept for the last two weeks.



Highlights

01



No user
training of any
kind is required

02



No central
database of
encounters
is kept

03



Battery lasts
average of six
months

04

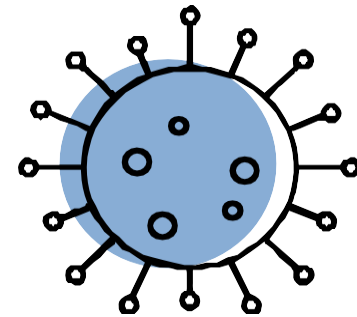
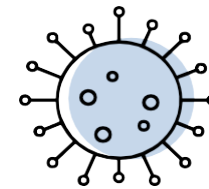
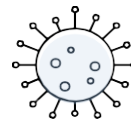


No special
infrastructure
is required

05



No GPS or
SIM card is
ever in use



How Does It Work?



Virtual Sphere Around Each Person



Method of Operation

1

Each person wears a Tag

2

Each time two persons with Tags meet:

- a. Person 1 Tag Bluetooth radio scans
- b. Person 2 Tag Bluetooth answers at known transmit power level (TX)

3

Both Tags measure distance by calculating (RSSI/TX power) the signal strength between 2 Tags.

4

If distance is < 6 feet for more than configured time – event is recorded in both Tags memory. The event record includes the other Tag number, time and minimum distance.

5

Information is kept in Tag memory for 2 weeks.



What Happens When a Person is Positive?

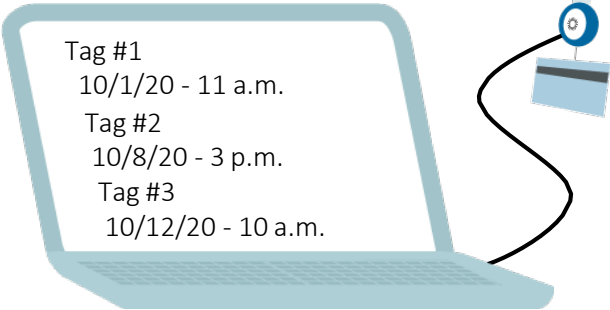
1

When a person is diagnosed with Covid-19, then that person's Tag is analyzed.

2

The analysis is done at the company's facility while maintaining the person's privacy.

Covid-19 positive



Tag #1
10/1/20 - 11 a.m.
Tag #2
10/8/20 - 3 p.m.
Tag #3
10/12/20 - 10 a.m.

3

Only persons having a logged encounter with the diagnosed person are sent home for quarantine. The rest of the people can continue working in a safe and healthy environment.

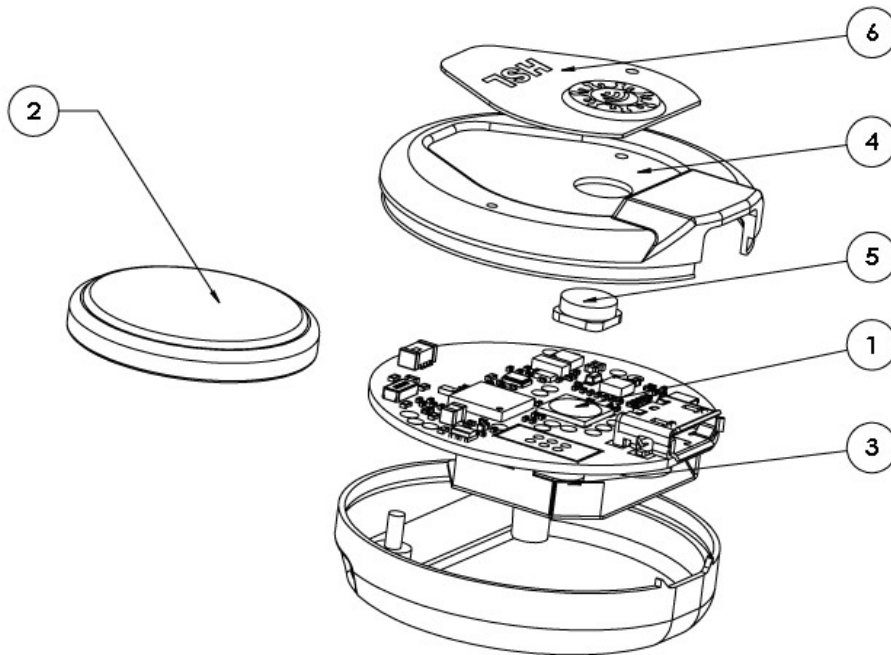
Tag Can Operate In Crowded Areas



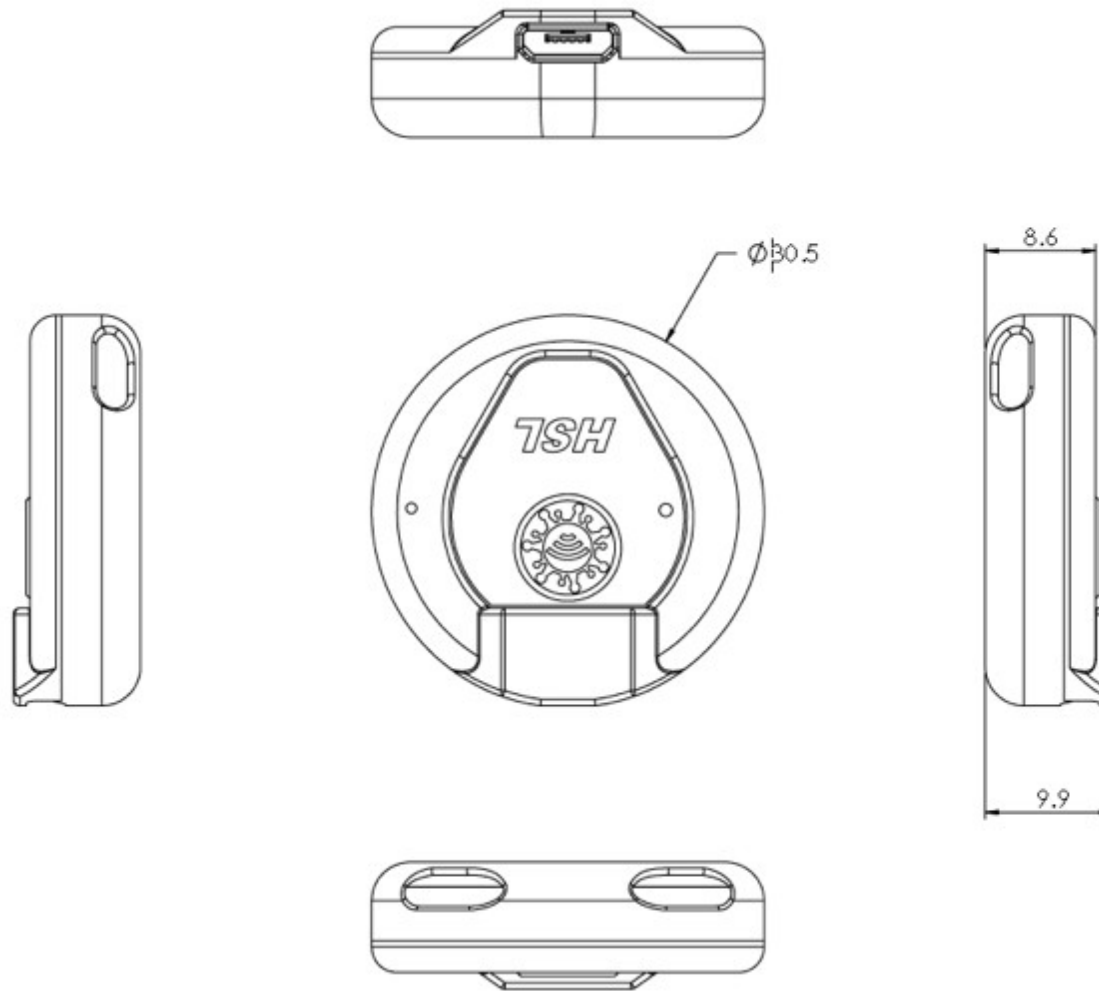
Multiple Tags can be detected simultaneously based on a person's movements.

Tag Internal Structure

- Printed Circuit Board Assembly
- Coin battery
- Battery holder
- Top plastic part
- Push-button
- Plastic overlay
- Bottom plastic part
- Tag Size approx. 1 ¼" diameter x ¼" thickness (3 cm x .8 cm)



Tag Mechanical Drawings



No User Training

No configuration or action is needed from the moment you give the Tag to a person



Tag can be attached to person's ID badge or a lanyard



Normal operation LED indication
(short green light every 5 seconds)



Battery low indication – slow and
then fast red LED blinking



Summary



HSL's [Corona Tag](#) is the only solution in the world that does not require any user intervention or training.



The [Corona Tag](#) is designed to *respect privacy* while monitoring social distancing in the workplace, therefore reducing the need for a wide shutdown in case of infection.



Low cost, easy to deploy and no special infrastructure required. Batteries last an average of 6 months.



In these pandemic times, business continuity challenges the survival of our economy. The [Corona Tag](#) assists in the transition to a safer facility and a sustainable, healthier workforce.

Thank you

