# Proximity Trace™

## FOR ENERGY & INDUSTRIALS

### In the Time of COVID-19 — How Will You Maintain Safe Working Distances?

**Meet Our Social Distancing and Contact Tracing Solution for Hazardous Environments**
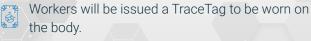
Triax has engineered a solution to combat the challenges that all on-site workforces are facing in the time of COVID-19. How do you maintain safe distances, as recommended by government agencies, including the CDC? Leveraging our experience in workforce monitoring we have developed **Proximity Trace** to address two key areas of need:
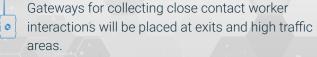
- **Active** feedback, in the form of a visual and audible alarm, so individuals know when to adjust their current distance to a proper social distance

- **Passive** collection of worker interactions for contact tracing should an individual test positive

The main device of Proximity Trace, the **TraceTag™**, is worn on the body for proximity detection and contact tracing. This intrinsically safe hardware can be deployed in the most hazardous work environments.

### What Is Contact Tracing

Contact tracing is the process of identifying who an individual, with a confirmed case of COVID-19 (or other virus), came in contact with over a period of time. The CDC cites a minimum of 6' of social distancing as a key effort in minimizing the spread of COVID-19. The ECDC further classifies by time of exposure with a key threshold of > 15 minutes in a day. We can help maintain social distancing in a work environment and support contact tracing efforts to identify "Subject 1" candidates who have been in contact with "Subject 0" to help target and prioritize, but not replace traditional mechanisms of confirmation.

#### CDC DEFINITIONS:

**SUBJECT 0** Confirmed infected individual
**SUBJECT 1** Close contact of subject 0
**SUBJECT 1A** Close contact of subject 1
**CLOSE CONTACT** Being within a 6-foot proximity for 15 mins

### System Overview:

Workers will be issued a TraceTag to be worn on the body.

Gateways for collecting close contact worker interactions will be placed at exits and high traffic areas.

As an optional feature, TraceTags are able to emit a real-time progression of audible/visual alerts when workers are in close proximity.

Close proximity interactions, including duration, are recorded on the TraceTag until it gains connectivity to the gateways and interaction data will then be transmitted to the cloud. Interaction range will vary depending upon the environment.

Gateways will log attendance in real-time providing general visibility of who was present on site.

## Goals:

✓ Provide a proactive system to support and condition workers to comply with social distancing

✓ Limit the number of Subject 1s but also be able to identify them automatically when necessary

✓ Passively collect worker interactions and duration to automate and digitize contact tracing efforts

✓ Provide the information needed to guide COVID-19 protocols at all worksites

✓ Help businesses get back to normal operations with an easy-to-implement, user-friendly solution

✓ Arm businesses with a solution that supports measures to limit the spread of infection

## System Details:

### TraceTag:

- Real-time audible alert for close contact interactions
- Records worker interactions for contact tracing
- No Bluetooth, GPS or off-site location tracking

### Gateway:

- Logs headcount/ attendance, transmits interactions to cloud
- Can facilitate remote configurations, including sounds

### Alert:

- Real-time audible alert and flashing red LED will be emitted when worker interaction is registered
- Alert and LED can be turned off for contact tracing only
- Optional escalation alert allows warning beep for timely distance correction; alarm can increase in intensity if distance is not corrected
- Alarm can be silenced or temporarily disabled with a button push for accepted close contact work

### Dashboard/ Data:

- Headcount/attendance
- Worker profile management
- Device management and administration
- Self-service contact tracing report in just minutes; data includes timestamp, duration of interaction and participants
- Workers can be anonymized in the dashboard for privacy

## Wearable Options:

ALLIGATOR CLIP

## Proximity Trace at a Glance:

- Gateways are cellular
- Device-to-device and device-to-gateway signaling
- No dependency on client WIFI or internet
- No location data – on site or off site
- TraceTag can be worn clipped to a shirt

triax®

**Contact us to learn more:**
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Proximity Trace is not a solution designed to keep workers healthy. All users should be practicing the guidelines set forth by the CDC for maintaining healthy worksites. Using Proximity Trace does not guarantee that you will not contract COVID-19 or any other viruses.