



Manifest **Density**:

Getting your workforce and facilities
safely back into production

August 2020 | Microshare, Inc. | All Rights Reserved



For manufacturing, remote is not an option

Production=Revenue

UNIVERSAL

Contact Tracing™

For manufacturers, miners, agribusiness and other industries where production takes place in defined physical spaces, the difference between getting **25% or 65%** of your **workforce into production** correlates directly to the bottom line.

Unlike office workers, schools or other “knowledge” industries, the brawn and brains required to make, mine, harvest and refine things can’t be done remotely.

“For us, it’s not a matter of waiting out the pandemic,” says the COO of a global pharmaceutical manufacturer. “We need to devise ways to get back to work despite the pandemic.”



When social distancing alone is not enough

Microshare's Universal Contact Tracing solution provides anonymized, searchable contact data in workplaces and other environments where density is a fact of life.

- Factories and construction sites
- Offices, retail and residential buildings
- Hospitals, assisted living facilities and labs
- Mines, farms, barracks and warehouses
- Airports and other transit infrastructure

'For us, it's not a matter of waiting out the pandemic. We need to devise ways to get back to work despite the pandemic.'

❖ *COO, Global Pharma Manufacturing Firm*



We go where smartphones can't or won't



Our Bluetooth-based, long battery life wearable solutions avoid the many pitfalls of using smartphone apps. Smartphone apps are:

- Vulnerable to privacy and security breaches
- Subject to battery failure or disabling
- Impractical or forbidden in some environments
- Expensive and not universally adopted.

In much of the world, for instance, smartphones remain an expensive luxury.



Securing your people, protecting your business

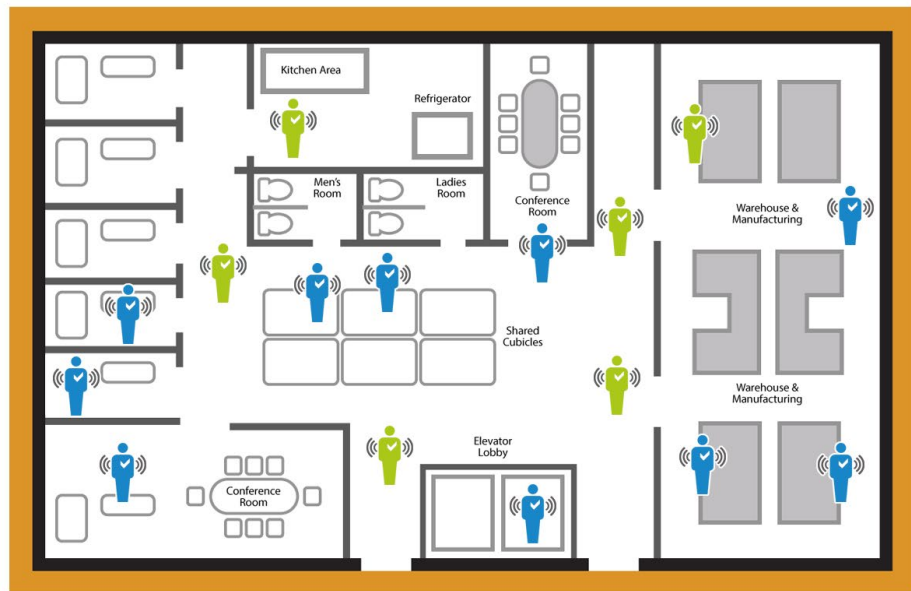
Universal Contact Tracing operates with Bluetooth® beacons embedded in wristbands or badges and at sites through a facility. LoRaWAN® gateways - low-bandwidth, long-range network nodes – provide a secure data backhaul without exposing sensitive corporate networks. This combination creates a historic database of contact events and locations without raising cyber risk.

View the Contact Tracing Solution on Microshare's website:
<https://www.microshare.io/universal-contract-tracing-solution/>



microshare[®]
unleash the data

Clean → Safe™

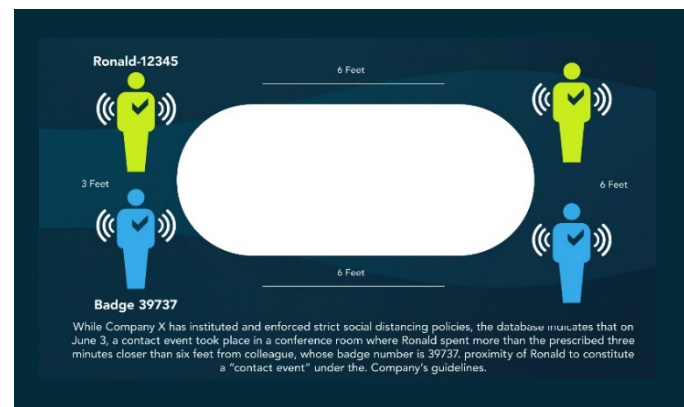


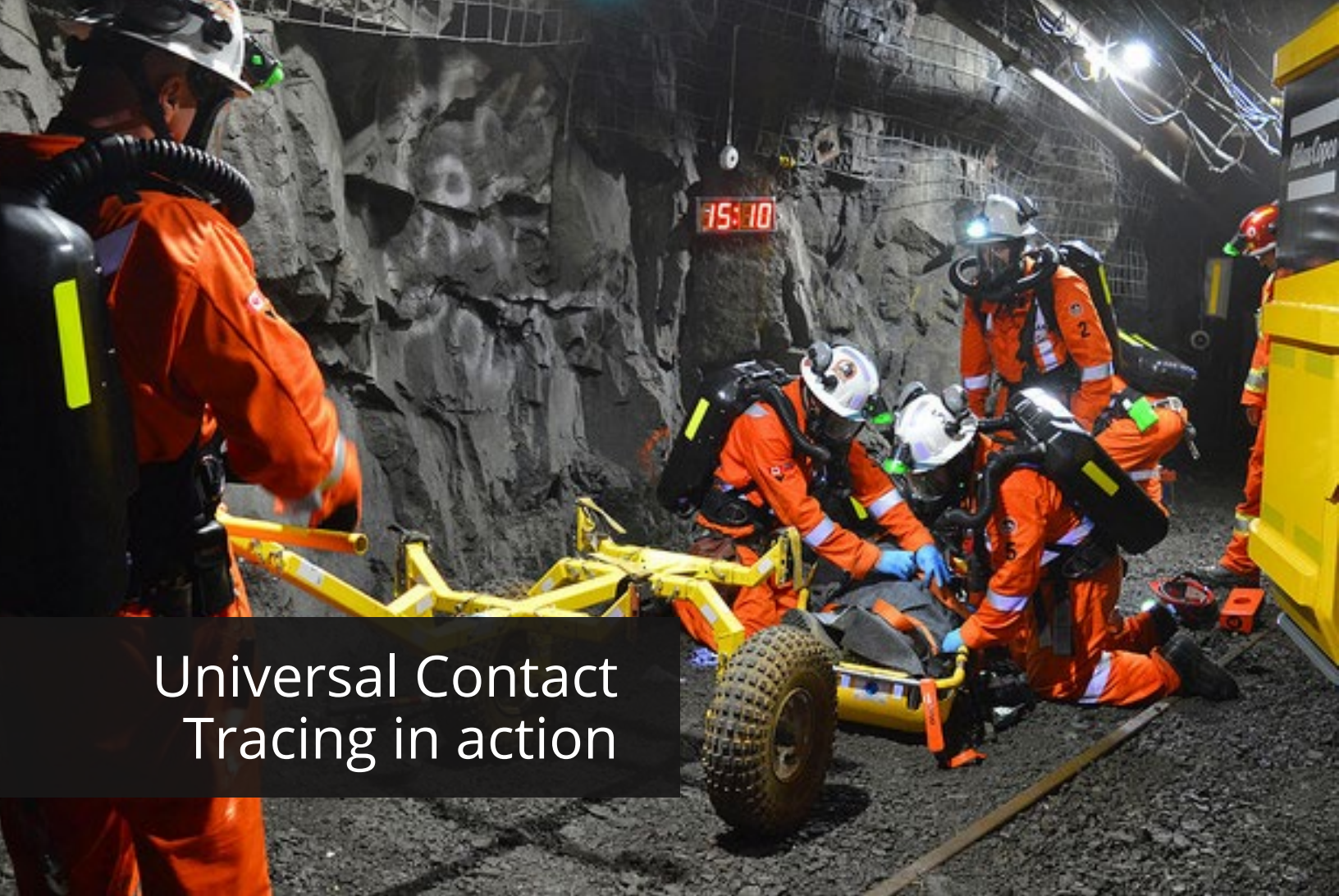
London Campus | Microshare | Building 2 | Floor 1

Defining a "contact event"

Let's look at Company X, a manufacturer of auto parts. The company defines a "contact event" as exposure to someone with the virus for 10 minutes at two meters distance or less - about six feet.

As people go through their day, interactions between individual badge numbers are recorded, noting time, location and duration. This data accumulates anonymously, remaining unused unless someone develops symptoms of COVID-19.





Universal Contact Tracing in action

So, what happens when someone **does report** COVID-19 symptoms?

The report can be sent to Human Resources, to a manager, or in the case of Company X, to its Chief Wellness Officer. This sets pre-determined corporate policies into motion.



Retracing steps



Microshare's anonymized data rests Company X's chosen cloud or business integration (BI software). This database is queried to see whether Badge #12345 generated any contact events in the past two weeks and what rooms the person spent time in.

The search identifies four such events in Locker Room A, a breakroom and the Warehouse. In Locker Room A, a co-worker, Badge #39737, was exposed.

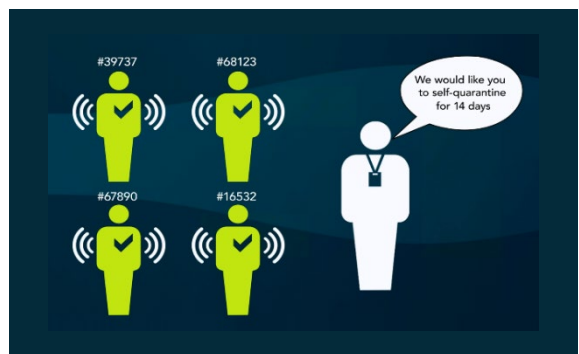


London Campus | Microshare | Building 2 | Floor 1



Notification and privacy

Once the **Chief Wellness Officer** realizes four employees have been exposed, their **badge numbers** are matched with names...



And Company X asks them to self-quarantine for 14 days. The company keeps the names of those affected confidential, and after a predetermined period – perhaps 30 days – erases all contact tracing data.

Throughout the process – and unlike smartphone apps – no Personally Identifiable Data (PII) is collected.



Cleaning where needed

Beacons located in fixed positions throughout the facility also indicate which rooms affected people occupied. These rooms, and only these rooms, are designated for disinfection and deep cleaning, minimizing disruption.

Universal Contact Tracing is just one element of Microshare's six steps to facility resilience. For years Microshare has argued that Clean=Safe.





Clean ⇒ Safe™

The pandemic has turned Microshare's Clean=Safe initiative from a "nice to have" into a matter of the utmost urgency.

Contact us today and take your first step on the path toward a safer, more efficient and sustainable facility.



In North America, contact **Michael Kallmeyer**
Tel +1-610-322-3641 mkallmeyer@microshare.io

In Europe, MENA, Africa and Asia, contact **Alex Ainley**
Tel +44 118 384 2173 ainley@microshare.io