

# The WannaFinder™ ... a child locator kiosk

Combines passive and active RFID in a wristband



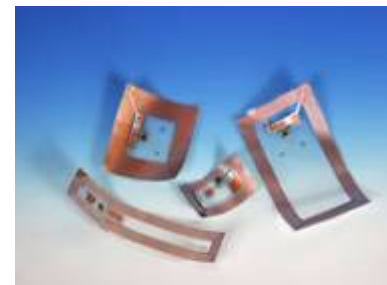
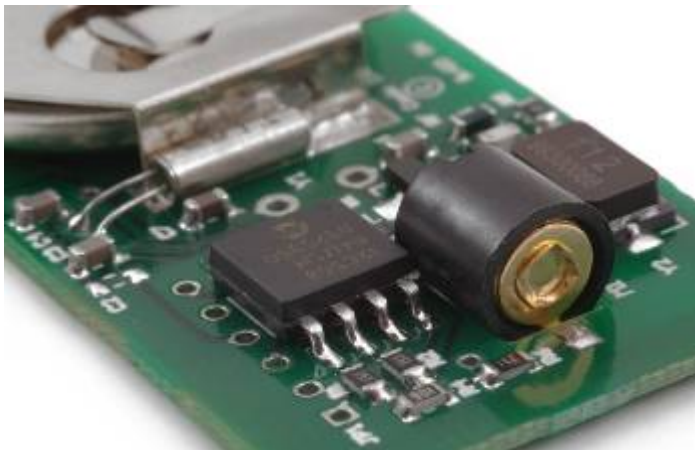
# Mobile Location and Asset Management



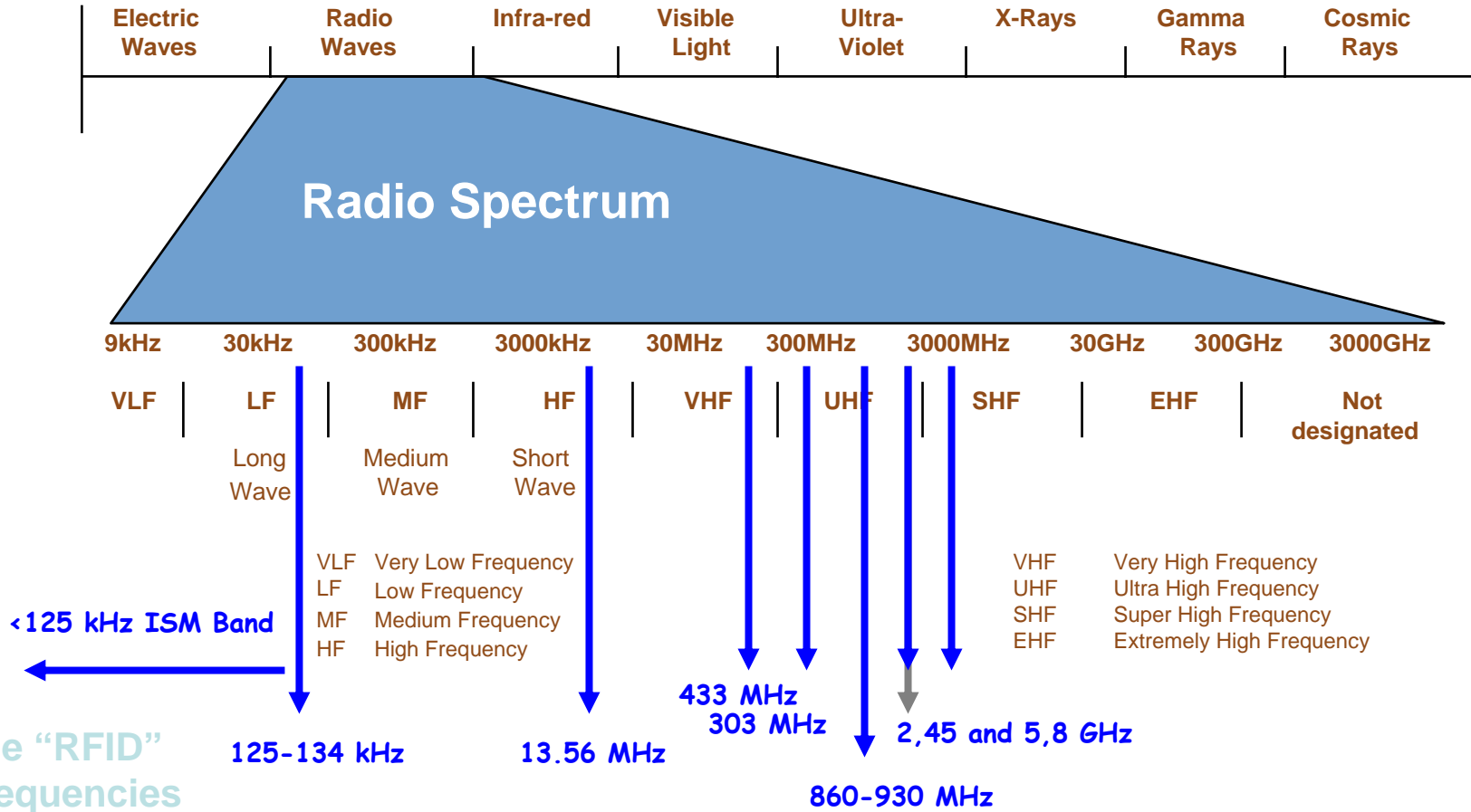
# Mobile Location and Asset Management



# Passive, Active, and RTLS



# Electromagnetic Spectrum (U.S Only)



**LF and HF Signals** pass through materials better.

**UHF** - Longer read distances-higher data rates. Reflections make zone definition harder but extend read range.

# Location and Condition Monitoring



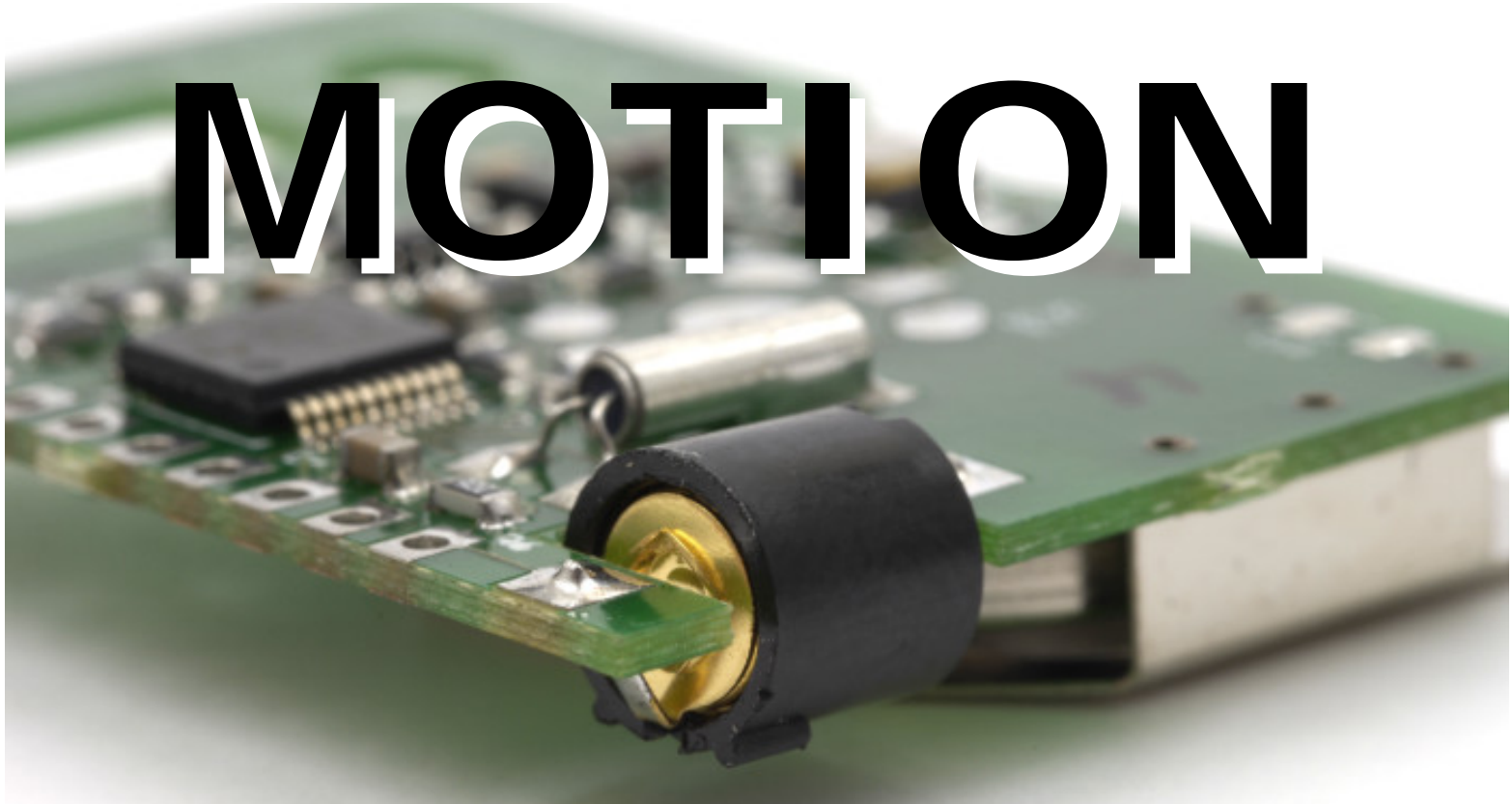
By adding sensor data and location data,  
to identification data, we can answer:

What is it?

Where is it?

How is it?

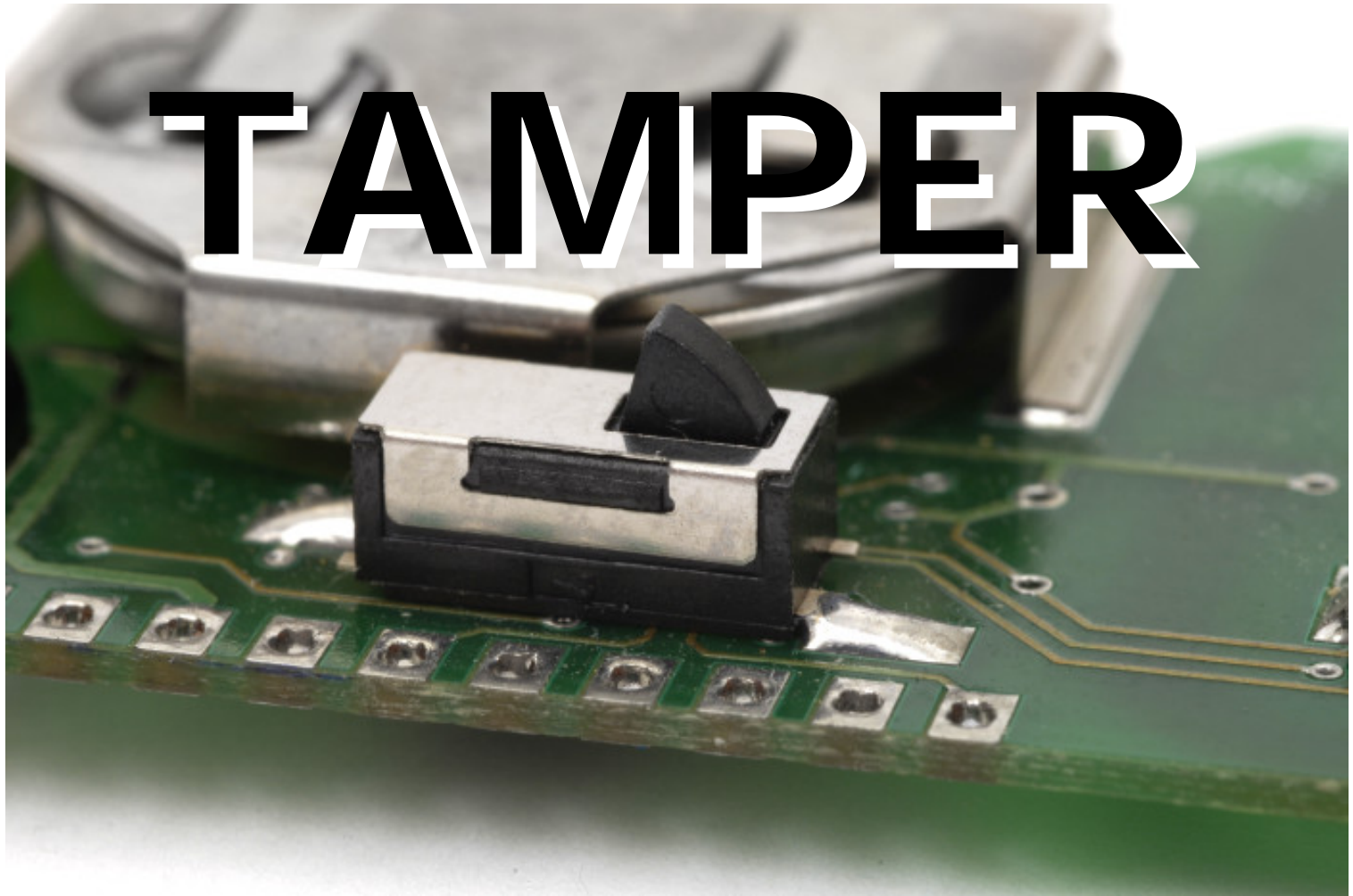
# MOTION



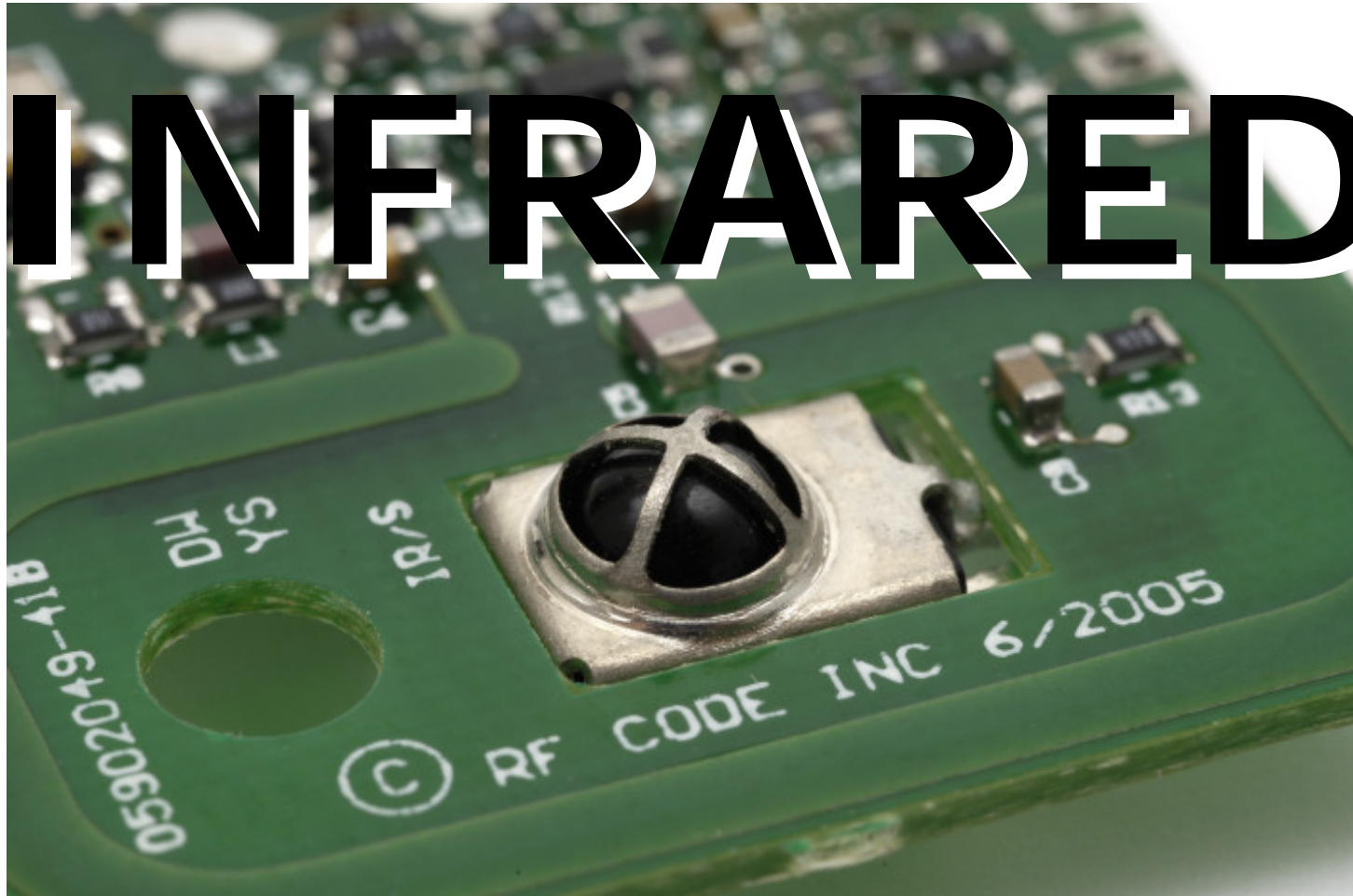
# PANIC



# TAMPER



# INFRARED



# Location, Location, Location

With RTLS applications, there are also appropriate use cases.

# Location, Location, Location

- **ZONAL TRACKING:**

assets are managed in a *many-to-one* relationship where each tag is recognized by a reader that has a defined coverage zone. This method is applied to open areas where asset location granularity is the key requirement.

# Location, Location, Location

## **MOBILE (Handheld) TRACKING:**

used to extend the resolution in a coverage area. In these scenarios, an active RFID handheld reader is used to locate all tagged assets in range or search for a specific item. Mobile tracking units are optimal for conducting mobile asset inventory and identifying devices outside of zonal areas.

# Location, Location, Location

## **INFRARED (Signpost) TRACKING:**

defines asset tags that enter individual rooms. This method is optimal for patient room-level tracking; giving 100% accurate differentiation from one room to the next (even in rooms that share a wall).

# Location, Location, Location

- **ALGORITHMIC (Triangulation) TRACKING:**  
provides the highest resolution by utilizing multiple readers to calculate the exact location of assets. The system then applies the measurements to a program which derives an X and Y axis coordinate and applies it to a floorplan. This method is optimal for very large rooms that require high definition asset resolution in areas not defined by walls.

# Summary

- There is no ***one size fits all*** technology (Hybrid).
- Appropriate technologies in combination are powerful.
- Challenge the vendor community.
- Leverage the thought leadership (within).



Wlp EuhvThq

wuhvThqC uifrgh1frp