



# PULSE

REAL-TIME INMATE MONITORING



## KEEP A **PULSE** ON YOUR FACILITY

IMPERIUM® PULSE is a Real-Time Location System that brings highly accurate, Bluetooth Low Energy (BLE) indoor positioning technology to correctional facilities to keep staff and inmates safe and secure. Pulse gives correctional facilities real-time inmate monitoring with the ability to monitor inmate vitals and locations, all in real-time with industry-leading accuracy. Inmates wear rugged, accurate, tamper-proof, waterproof bracelets that pair with cutting-edge Bluetooth Angle of Arrival (AoA) sensor stations strategically placed throughout the facility to locate an inmate with an accuracy of 0.1-0.5m, all while checking their vital signs in real-time. If an inmate ever has an abnormal vital sign reading, an alarm will be triggered with a call for medical assistance. Any instances of inmate bracelet tampering, unauthorized gathering, or being in a restricted zone will all trigger immediate alarms for real-time surveillance. Correctional staff have their own specialized staff cards that are equipped with a built-in panic button to instantly alert for help, and these cards can double as access control credentials for streamlined operational workflow.

# STAY CONNECTED TO YOUR FACILITY AND INMATES



## HIGH ACCURACY

Pulse provides a high-precision, Real-Time Locating System (RTLS) with accuracy of 0.1-0.5m.



## HIGH CAPACITY

Pulse supports the interconnection between one sensor station and 500 tags simultaneously.



## LOW POWER

Pulse Bluetooth Angle of Arrival (AoA) devices have an average battery life of up to five years.



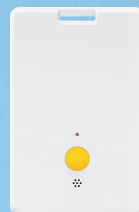
## LOW COST

Pulse provides an AoA-based, correctional RTLS solution in a cost-effective way.



## SMALL SIZE

Pulse AoA locating tags are small-sized, light-weighted and easy to carry.












STAFF CARDS WITH PANIC BUTTONS & ACCESS CONTROL



GPS TRACKING AVAILABLE

## UNRIVALED TECHNOLOGY

	 PULSE REAL-TIME INMATE MONITORING	OTHER Real Time Location Systems	Standard Security Cameras
Time between location readings	<b>1 / 5</b> of a second	<b>3 - 30</b> seconds	<b>N/A</b> Not possible
Accuracy	 <b>&lt; 1m</b>	 <b>1-3m</b>	 <b>None</b>
Battery Life	 4 - 6 months	 30 - 60 days	 None
Scalability	<b>Unlimited</b> tags	<b>1000s</b> of tags	<b>100s</b> of cameras
Total cost of ownership	<b>\$</b>	<b>\$\$\$\$</b>	<b>\$\$\$\$</b>
Technology	 AoA		<b>1980s</b> Image Technology



## ABOUT ECC

ECC has built a foundation on bringing dynamic solutions to organizations throughout the Midwest. We connect businesses to better experiences using Audio/Visual/Lighting, Communication, Electronic Security, Fire Safety, and Healthcare Technology Solutions.

Technology is our passion and our goal is to use its innovations to empower organizations for years to come. We're integrators — Empowering through technology.

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