

PULSE

REAL-TIME PATIENT 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 healthcare facilities to keep caregivers and patients safe and secure. Pulse gives healthcare facilities real-time patient monitoring with the ability to monitor patient vitals and locations, all in real-time with industry-leading accuracy. Patients 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 a patient with an accuracy of 0.1-0.5m, all while checking their vital signs in real-time. If a patient ever has an abnormal vital sign reading, an alarm will be triggered with a call for medical assistance. Any instances of bracelet tampering, unauthorized gathering, or being in a restricted zone will all trigger immediate alarms for real-time monitoring. Caregivers 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 PATIENTS



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.



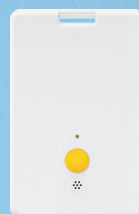
LOW COST

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



SMALL SIZE

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



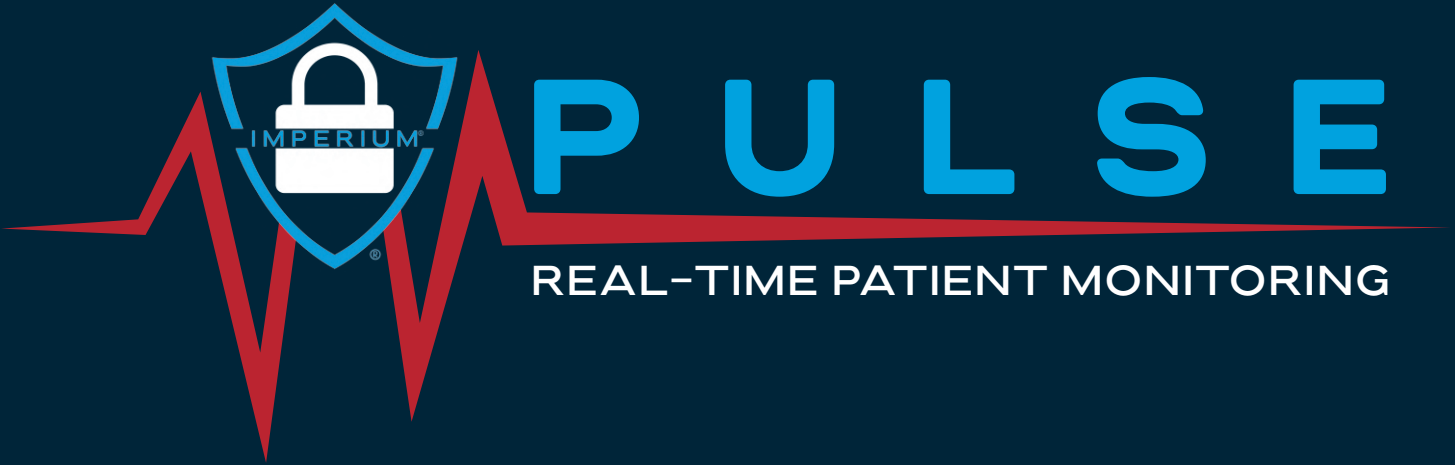
STAFF CARDS WITH PANIC BUTTONS & ACCESS CONTROL



GPS TRACKING AVAILABLE

UNRIVALED TECHNOLOGY

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