



# Proven Technology. Trusted Quality.

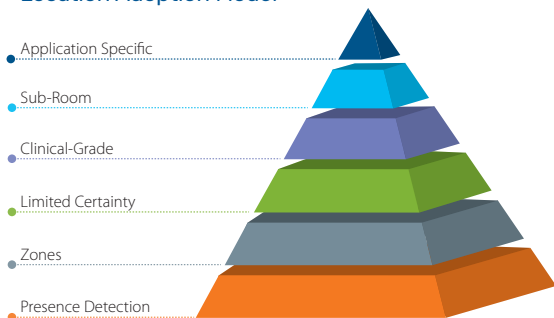
The Official Enterprise  
Location Services™ Handbook

# Enterprise Location Services™

CenTrak improves healthcare operational efficiency and the quality of patient care via the industry's most robust and scalable Enterprise Location Services offering. CenTrak's technology supports high velocity updates and sub-room level accuracy across the entire healthcare enterprise. Our solution is comprised of various tags, badges, sensors and technology platforms such as Second Generation Infrared, Wi-Fi, Bluetooth Low Energy, Low Frequency, Advanced Ultrasound, and others. CenTrak has helped over 1,700 world-class healthcare facilities increase productivity, streamline workflows, drive higher patient and staff satisfaction, as well as reduce costs.

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## Location Adoption Model



CenTrak's Enterprise Location Services leverage multiple technologies to maximize utility and ROI.

## What Makes CenTrak Smarter?

**Clinical-Grade Locating™** - CenTrak's Second Generation Infrared (Gen2IR™) delivers certainty-based location data covering rooms, beds, bays, nursing stations, hallway segments and other relevant workflow areas. Rapid location and condition updates reliably capture interactions between equipment, patients and staff within seconds.

**Multiple form factors** - Largest selection of tags including reusable, single use, infant, wander, and staff badges provide options for all types of patients and care environments.

**Multi-Mode Technology** - A unique combination of Wi-Fi, CenTrak's Gen2IR™, Low Frequency RF, UHF Active RFID, Bluetooth Low Energy (BLE), IRUS™ and others to future-proof investment and maximize ROI.

**Easy Installation** - Battery-powered devices are installed easily in patient care areas without the need to close rooms or deploy special infection prevention measures.

**Interoperability** - Open location platform for seamless integration with both existing and new applications including Nurse Call, Electronic Health Records, Capacity Management, Bed Management, Asset Management, Computerized Maintenance Management and Hand Hygiene Compliance.

**Reliability** - Ensures critical location, condition and status updates are delivered to the application level. Enterprise-class monitoring provides at-a-glance visibility. Devices and tags are equipped with long-lasting batteries.



## Asset Management & Security

Determine the location of tagged assets with unmatched accuracy.

- Enterprise visibility to asset location and status
- Reduces time searching for equipment
- Increases staff satisfaction
- Automates PAR-level management
- Reduces shrinkage
- Improves clinical workflow
- Integrates with CMMS



Multi-Mode Asset Tag



## Nurse Call Automation



Staff Badge

**Integrate with leading Nurse Call providers to further enhance the best patient care possible.**

- Automate call cancellation
- Automatic illumination of dome light for staff presence
- Time-stamp staff presence
- Increase staff safety with a Duress function
- Document response times and length of visit
- Facilitate staff rounding
- Generate patient and staff interaction reports
- Trigger clinical events from a CenTrak staff badge
- Increase patient and staff satisfaction
- Provide supporting documentation when needed



## Hand Hygiene Compliance



Integrated Monitor

### **A cost-effective approach to automatically capture compliance and noncompliance events 24/7.**

- Integrated sensor from major dispenser manufacturers
- Mounts to any dispenser, canister, pump or sink
- Easily installed, battery-powered dispenser monitors with cable-free installation
- Generates compliance reports to support Joint Commission requirements
- Proactively increases compliance with a gentle reminder to staff if needed
- Identifies where additional interventions are needed through comprehensive analysis tools
- Reduces the number of HAIs



## Patient Locating

**Gain visibility into patient location within seconds of movement.**

- Improves patient care and safety
- Increases capacity and patient flow
- Manages wandering for increased safety and security of patients, residents and infants
- Enhances patient experience
- Integrates with high acuity applications
- Solutions available to provide room-, chair- and bed-level accuracy



Patient Sensor



## OR / ED Workflow

**Enable accurate staff locating to maintain high levels of patient care and safety.**

- Identifies the closest caregiver and documents response time
- Captures data for calculating time spent with patients for billing
- Records time at the bedside to measure productivity
- Facilitates staff rounding to help improve HCAHPS scores
- Integrates with EMR and Nurse Call applications
- Ensures staff and patient safety with immediate notifications







## Outpatient Workflow



**Enable significant improvements in outpatient efficiency, quality, capacity and revenues.**

- Identify the location, status and interactions of patients, staff and mobile-medical equipment
- Integrates with EMR systems and patient flow applications
- Automatically record and analyze operational data and patient milestones
- Reduce patient wait times
- Increase patient and provider contact time
- Increase patient throughput
- Increase room utilization and availability



## Wayfinding

**Transform the patient experience, improve efficiency and reduce costs.**

- Guide patients to the appropriate location within the healthcare facility
- Assist visitors in locating a patient's room quickly and easily
- Available as standalone solution or embedded in existing RTLS infrastructure
- Integrates with leading wayfinding application providers
- Minimize revenue loss due to late or missed appointments
- Increase patient satisfaction and HCAHPS scores



Standalone BLE Beacon

# Environmental Monitoring



Ensure patient safety and prevent product loss through automated temperature and condition monitoring.

Vaccines



Pharmacy



Clinical Lab



Blood Bank



Sterile Processing



Network Closet



Food Service



Operating Room



- Reliable and accurate wireless temperature, humidity and air pressure sensing
- Generates automated compliance reports
- Visual or audible alerts when measurements are above or below set parameters
- Covers -200 °C to 200 °C with 0.5 °C accuracy
- Plug-and-play, no wiring
- Onboard data storage even when out of network
- Leading digital sensing and NIST certification

# Security Solutions



## Infant Protection

**Protect newborns with the ultimate security and location platform.**

CenTrak Security Solutions utilizes easy-to-use software applications that enable clinical staff to spend less time managing a security system and more time focusing on what matters most — caring for their most vulnerable patients. Each infant is protected by wearing a small, comfortable and unobtrusive sensor which actively communicates with the system and supports bassinet-level location visibility. Workstations display floor plans of the facility, showing monitored areas and protected exits. Should an unauthorized attempt to leave the monitored area with a protected infant occur, the CenTrak system will immediately set off an alarm, capture video image, activate door locks and even hold selected elevators.

### Peace of Mind

CenTrak's newborn™ platform enables facilities to ensure mothers and families peace of mind that their baby is protected and always properly matched with mom.





# Elopement, Wander Management

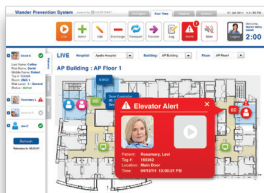
Ensure facility safety with the ultimate security and location platform.

**Pediatric Security:** Ensure the safety of younger patients while giving them the freedom to interact with their peers on the floor. The system is programmable to allow pediatric patients to access common areas while other exits are secured.

**Long-Term Care Resident Security:** Empower residents with a feeling of control and freedom while ensuring their safety and security. Residents can pass through designated access points (e.g. to reach a common area), while others remain secured and protected within different areas.

**Acute Care Wander Management:** Protect patients from reaching restricted areas while allowing access to common areas. Patients can reach communal space, while remaining secured and protected from wandering into restricted spaces.

**Tamper Resistant Sensors:** If a sensor stops communicating with the system or a tamper event occurs, the system generates an alarm, displays an alert on the application workstation and logs the event in the system's database.



*Advanced yet simple-to-use applications provide facility-wide patient, asset and staff visibility.*

# Product Portfolio

## Asset Tags



Multi-Mode  
Asset Tag



Asset Tag Mini



Asset Tag Micro



DuraTag

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## Staff Badges



Staff Badge



Duress  
Badge



Man-Down  
Duress Transmitter

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## Patient Tags



Patient Tag  
Mini



31-Day Tags



newbaby™  
Umbilical Tag



Infant  
Secure Tag



Adult  
Secure Tag



Personal  
Safety Bracelet



newmom™ Tag

## Environmental/Temperature Sensors



Environmental  
Sensor



Environmental  
Display Sensor

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## Infrastructure Components



Virtual Wall™



Monitor



LF Exciter



Access Control Keypad



Door Controller



LF Exciter Antenna

## Contact Us:

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