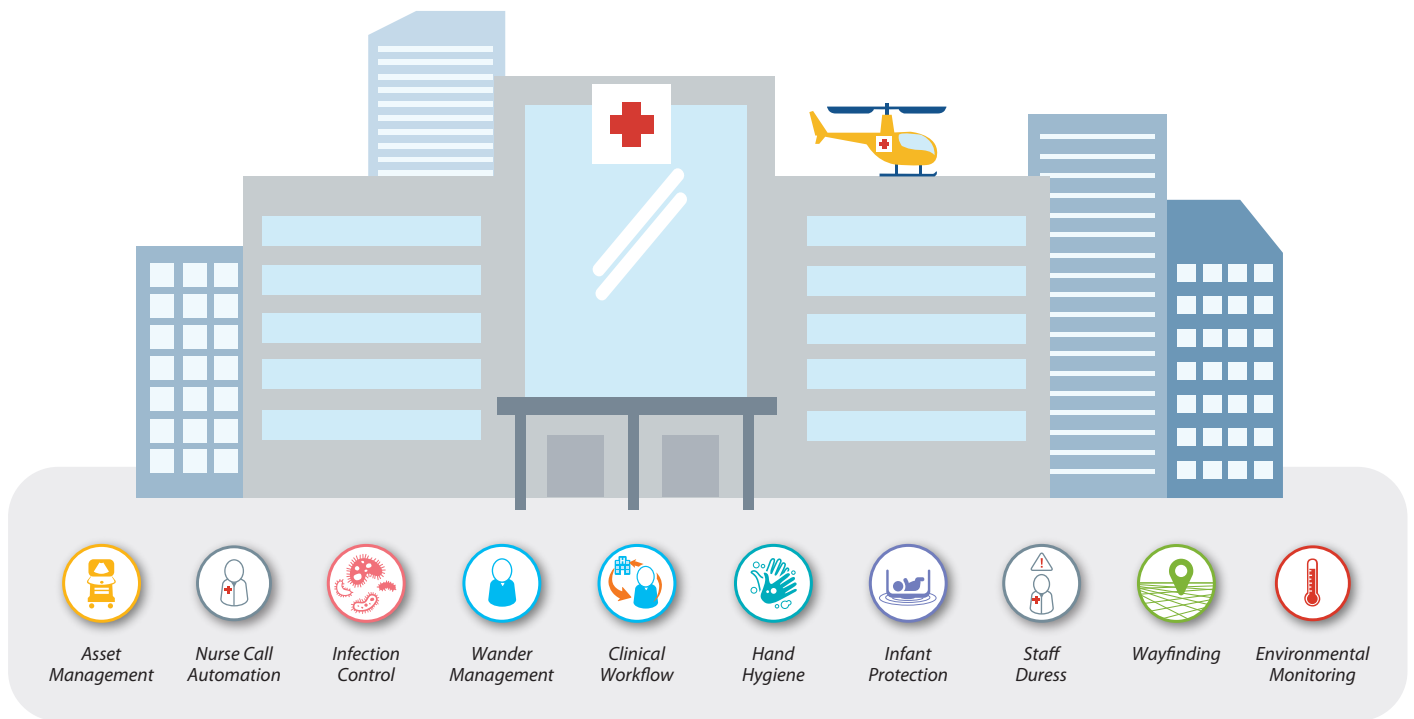# Enterprise Location Services™

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 Infrared, Wi-Fi, Bluetooth Low Energy, Low Frequency and others. CenTrak has helped over 1,000 world-class healthcare facilities increase productivity, streamline workflows, drive higher patient and staff satisfaction as well as reduce costs.

Asset Management • Nurse Call Automation • Infection Control • Wander Management • Clinical Workflow • Hand Hygiene • Infant Protection • Staff Duress • Wayfinding • Environmental Monitoring

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), and others to future-proof investment and maximize ROI.
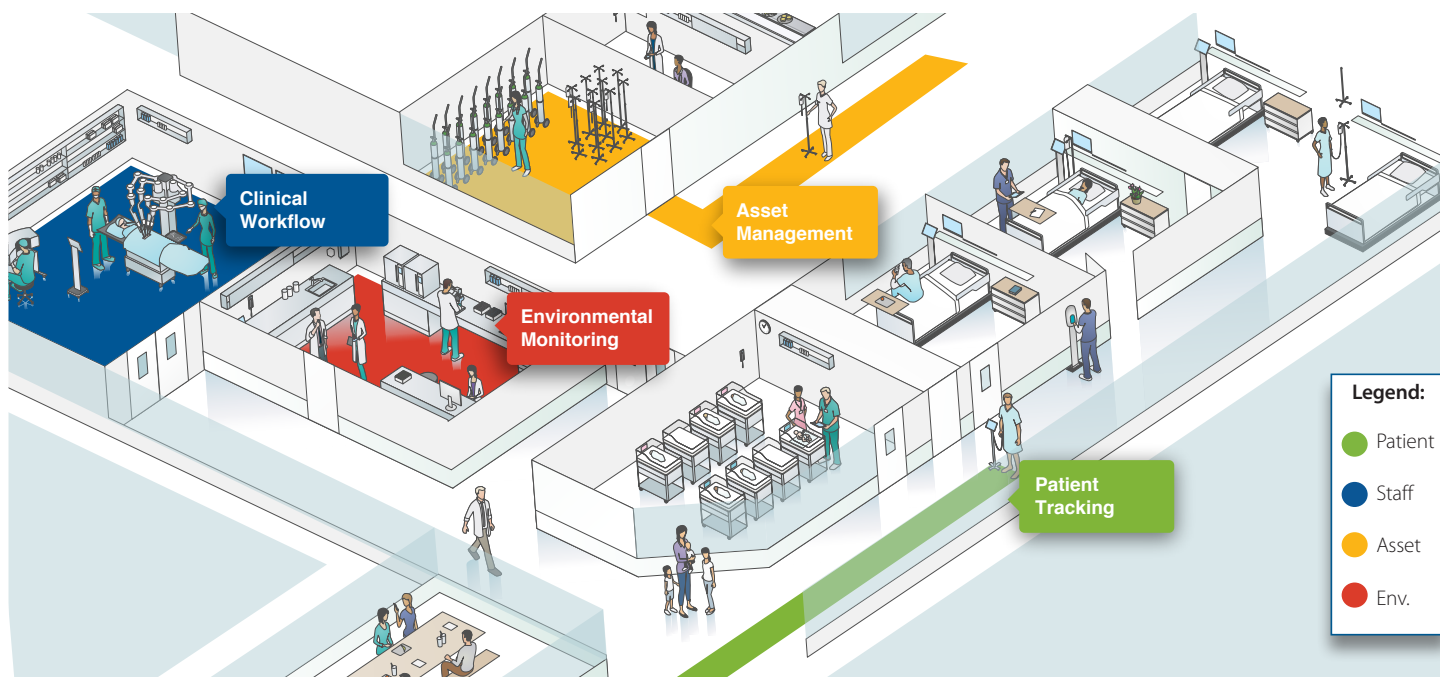
Easy Installation – Battery-powered devices are installed easily in patient care areas without the need to close rooms or deploy special infection prevention measures.

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.

Clinical-Grade Locating™

Certainty-based and high performance location technology for healthcare

Legend:
- 🟢 Patient
- 🔵 Staff
- 🟡 Asset
- 🔴 Env.

Clinical Workflow

Asset Management

Environmental Monitoring

Patient Tracking

Why Gen2IR™?

Infrared (IR) is a transmission of light that is invisible to the naked eye. The CenTrak Real-Time Location System (RTLS) uses patented Second Generation IR (Gen2IR), which is proven to be the ideal technology for certainty-based (100% accurate) room-, bed- and bay-level locating – a requirement for automating healthcare workflow applications. Gen2IR filters external sources of IR (sunlight, fluorescent lighting, etc.), will not pass through walls, and is not restrained by line-of-sight requirements as tags can sense Gen2IR from any direction, even under blankets or clothing.
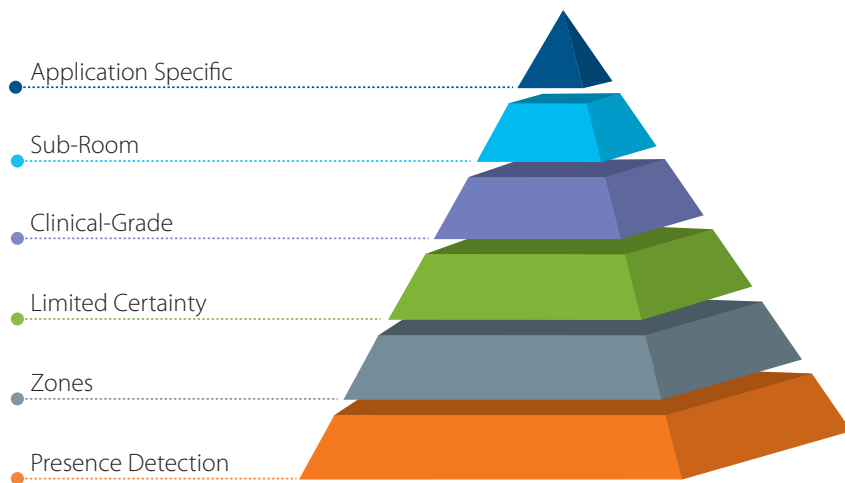
Gen2 iR™

TAG

100% location certainty

Future-Proof Location Platform

Enterprise Location Services leveraging multiple technologies to maximize utility and ROI

- Application Specific
- Sub-Room
- Clinical-Grade
- Limited Certainty
- Zones
- Presence Detection

Location Adoption Model – CenTrak's Enterprise Location Services drive the adoption of dozens of use cases via the integration of six locating technologies including:

- Gen2IR™
- UHF Active RFID
- Low Frequency (LF)
- Passive RFID
- Wi-Fi
- Bluetooth Low Energy (BLE)

Transforming Patient Care

Asset Management
Allow healthcare facilities to easily determine the exact location of tagged assets

Hand Hygiene Compliance
Help healthcare facilities better manage infection risk and report compliance

Nurse Call Automation
Provide enhanced communication capabilities for staff and faster response times for patients

Infant Protection
Ensure newborns are protected and always properly matched with the correct mother

Infection Control
Track interactions between patients, staff and equipment to contain infectious outbreaks

Staff Duress
Deploy immediate responses by instantly locating the staff member under duress

Wander Management
Empower patients and residents with a feeling of control and freedom while ensuring their safety and security

Wayfinding
Provide patients and visitors with clear and simple turn-by-turn directions directly to a users' Bluetooth-enabled device

Clinical Workflow
Enable improvements in efficiency, quality, capacity and revenues

Environmental Monitoring
Meet compliance standards and prevent product loss
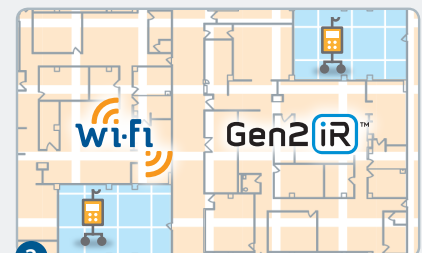
Asset Visibility to Workflow Automation

CenTrak's RTLS platform offers the ultimate flexibility to future-proof investment and maximize ROI.
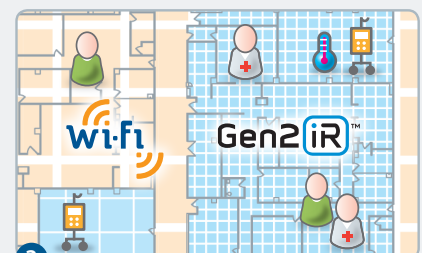
1

Asset Visibility
- Leverage existing Wi-Fi networks
- Estimated location tracking
- Low Frequency Exciters may be added to create choke points

2

Asset Management with Certainty-Based Accuracy
- Introduce certainty-based locating to specific rooms by installing battery-operated Gen2IR devices
- Enable asset management workflow applications

3

Clinical-Grade Locating™
- Certainty-based accuracy at the bed, bay- and chair-level
- Rapid location update speeds
- Automate clinical workflow applications
- Extreme battery life

Product Portfolio

Asset Tags

Multi-Mode Asset Tag

Asset Tag Mini

Asset Tag Micro

DuraTag

Staff Badges

Staff Badge

Duress Badge

Patient Tags

Patient Tag Mini

newbaby™ Umbilical Tag

newbaby™ Tag Micro

newmom™ Tag

31-Day Tags

Infant Secure Tag

Adult Secure Tag

Environmental Monitoring

Environmental Sensor

Environmental Sensor LCD

Infrastructure Components

Virtual Wall™

Monitor

LF Exciter

Access Control Keypad

Door Controller

LF Exciter Antenna

CenTrak – Enterprise Location Services™

For more information please visit our website **www.centrak.com**, email us at **marketing@centrak.com** or call us toll-free at **800-515-2928**.