



Solution Benefits

- Increases patient and medical staff safety through real-time location determination and timely access.
- Enhances patient flow and progress management with accurate time-stamp for increased levels of care, minimized wait times, and balanced staff load levels.
- Helps meet regulatory compliance requirements.
- Avoiding theft and over-investment in the purchase of costly equipment by reducing search times and maximizing the utilization of existing medical equipment/assets.
- Streamlines and enhances medical billing.

AiRISTA Flow was designed to address healthcare needs.

AiRISTA Flow's Healthcare Visibility Solution (HVS) is suited for various healthcare industry needs including real-time asset management, staff safety, improving patient flow, wireless logging, environmental condition monitoring, and enhancing the strict adherence to hand hygiene protocol.

Wireless Temperature Monitoring

While healthcare facilities' refrigerator and other temperature management processes are regulated by the Joint Commission, many healthcare providers still rely on their staff to perform manual temperature/humidity monitoring and logging daily. AiRISTA Flow Wi-Fi tags equipped with temperature monitoring sensors are used to capture and log temperature data. AiRISTA Flow's Temperature Sensor Tags provide continuous readings of the inside temperature at per-determined frequencies with accuracies of up to 0.1 degree Celsius. Tags will utilize the existing Wi-Fi infrastructure to track and transmit temperature data in real-time for storing, processing, and sending out the range notifications/alerts as provisioned by the hospital to the AiRISTA Flow server.



Healthcare Solution

Asset Tracking

Lack of insight into the location and utilization of assets leads to lost revenues, reduced profits, and may increase consumer and staff safety risks. RTLS technologies from AiRISTA Flow augmented with track and trace capabilities, as well as business process automation, offer healthcare clients the most comprehensive enterprise-grade asset tracking solution in the marketplace. AiRISTA Flow's Wi-Fi RTLS Healthcare Visibility Solution empowers healthcare providers to not only identify location, but also map and trace the real-time movement of all tagged equipment and improve asset utilization by tracking assets with Wi-Fi RFID asset tags. Scheduling routine maintenance, enforcing policies and procedures, and streamlining many time consuming and error-prone processes are among the solution's features and benefits.



Staff Efficiency and Patient Safety

Patients, medical care, administrative, and maintenance staff are all among the beneficiaries of AiRISTA Flow's solutions for the healthcare industry. In addition to enhancing the safety and monitoring of patients, the ability to sense and obtain real-time location information of medical staff and other workers brings about tremendous financial, safety, and operational benefits. AiRISTA Flow's Wi-Fi RTLS solution based on active Wi-Fi and RFID technologies can be deployed to provide total patient and staff visibility in the healthcare environment. The key to increased patient throughput and productivity in various departments in healthcare facilities is to effectively streamline the flow of patients through the continuum of care. Utilizing existing Wi-Fi network infrastructure found in most hospitals, data from patients' Wi-Fi RTLS enabled tags are collected by Wi-Fi access points/reference beacons. This data may include patient tracking location, movements (entries and exits) within departments or rooms, as well as date and time of medical staff visits within the facilities.



Hand Hygiene Compliance Monitoring

Healthcare facilities have long recognized the practice of hand hygiene as likely the most significant way to prevent the spread of infections. As such, validating and measuring adherence to hand hygiene practice and protocol in healthcare settings is fundamental to the healthcare facility's claimed quality of care, operational efficiencies, and reported rate of regulatory compliance. Hand Hygiene dispensers are equipped with an AiRISTA Flow detection device. This device communicates with staff badge tags and positively identifies the staff. The staff wearing active Wi-Fi RTLS and/or RFID badges are detected and identified upon entering patients' rooms and provided with the opportunity to comply with the institution's hand hygiene protocol prior to visiting the patient. Staff hand hygiene compliance or non-compliance is detected and a time-stamped event is captured and recorded permanently.

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