



## Solution Benefits

- AiRISTA Flow RTLS technologies offer accuracy levels that can provide effective solutions for applications demanding real-time location tracking both indoor and outdoor
- Sensors may be incorporated into various types of tags to gain information about the environment and status of the tagged individuals or assets
- Optional Track & Trace features offer the ability of playback based on captured historical data empowering users to optimize business processes, increase asset utilization, and enhance personnel safety

## AiRISTA Flow RTLS Platform keeps your facilities processes on track

Location engines are software components that communicate with tags and location sensors to determine the tag's location and report it to middleware or other applications. Different technologies use different approaches, and each approach solves a slightly different problem or supports different applications. Current RTLS solutions rely on a single technology to interrogate active RFID tags for location determination and can offer accuracy levels of several to tens of feet in best case scenarios. AiRISTA Flow's RTLS platform combines multiple popular technologies including RFID, RSSI, TDOA, and GPS with two patented location determination technologies to provide the leading indoor and outdoor location tracking solution available in today's marketplace. Typically, AiRISTA Flow's RTLS platform can provide accuracy within six feet.



# AiRISTA Flow RTLS Platform

AiRISTA Flow's Wi-Fi TDOA can operate simultaneously with the Wi-Fi RSSI Radio Map technology absent of operational interference. Our Wi-Fi tags also support a hybrid operation mode allowing for deployments with multiple other technologies. An enterprise release of the software brings about the ability to fuse data from tags and on-board sensors to manage assets and staff at multiple sites through a single web-based console.



## Application

### Tracking and Tracing Assets

- Find assets on demand
- Monitor usage and improve utilization
- Manage and plan inventory
- Streamline operations
- Help prevent theft
- Trace asset movements over time
- Pinpoint bottlenecks in business processes
- Improve workflows

### Tracking and Tracing Staff

- Locate staff on demand
- Trace worker/visitor movement
- Address regulatory requirements
- Locate first responders
- Locate patients and/or residents
- Trace contacts for viral/epidemic investigation
- Monitor compliance
- Evaluate emergency procedure execution

Technology	Accuracy ft.	Environment	Infrastructure	Requires Survey
RSSI-Patented	< 7 - 95%	Indoor and Outdoor	WiFi, Active RFID	Yes
TDOA-Patented	< 1 - * < 5 - **	Indoor and Outdoor	WiFi, WiMax, RF, Active RFID	No
GPS	< 6 - 90%	Outdoor	N/A (cellular & satellite)	No

AiRISTA Flow, Americas  
 913 Ridgebrook Rd. | Suite 110 | Sparks, MD 21152  
 Tel: 1-844-816-7127  
 info@airistaflow.com

AiRISTA Flow, Finland  
 Hiilikatu 3 | 00180 Helsinki, Finland  
 Tel: +358-20-743 5910  
 info@airistaflow.com

