

sofia

An AiRISTA Platform

Location Insights of Critical Resources

Managing Resources in the Moment for Better Results

The *sofia* platform provides location awareness of critical resources across the manufacturing domain as situations change. Easy to use and fast to deploy, the solution works across departments to eliminate silos.

Challenge

Manufacturers face increased pressure to hit production schedules and maintain efficiency. Supply chain disruptions, weather anomalies, and component sourcing issues can strike without notice and disrupt an otherwise smoothly running process. Location information about critical resources can help manufacturers adjust in the moment to meet KPI goals.

Solution

The *sofia* platform consists of software modules that work together for the thoughtful coordination of resources in the moment:

- ✓ Asset Tracking
- ✓ Workflow Management
- ✓ Staff Safety/Man-down
- ✓ Contractor Accounting
- ✓ Condition Monitoring
- ✓ Inventory Management

The *sofia* platform uses wireless tags for equipment, work in progress (WIP), and staff that relay location over wireless infrastructure. Critical equipment is located instantly. WIP is tracked at every step. Hoarding is identified and underutilized equipment is put to use. Automated alerts allow a real time response to changes in production. Ideal for use across the manufacturing enterpriser, the platform coordinates staff and equipment to respond to the daily dynamics that threaten to disrupt production.

Result

Location awareness helps manufacturers prepare for the unexpected and minimize errors. Production outcomes improve, staff efficiency increases as well as asset utilization. Paper based system prone to error are replaced with automated recording. Insights from the *sofia* platform identify areas for improvement and the metrics to measure continuous process improvement over time. The platform integrates with your production applications to extend location analytics across all business functions.



REAL TIME HEALTHCARE SOLUTIONS

How it Works

The solution consists of tags placed on resources which emit a regular radio signal. Wireless infrastructure like access points or supplemental gateways collect the radio signals and pass them to AiRISTA's Unified Vision Solution (UVS) platform where patented algorithms calculate the tag's location. UVS's user interface, *sofia*, provides maps, workflows, alerts and reporting to facilitate management of tagged resources. AiRISTA wireless gateways use the latest Bluetooth® Low Energy (BLE) to track tags to less than a meter in accuracy as well as tracking in the vertical dimension.

Communication with the tag is 2-way. User definable alerts can be sent to the tag as a form of notification. And the tag's programmable button allows the user to trigger an event like replenishment.

Software is deployed on-premises or from the cloud (remote survivability is available optionally).



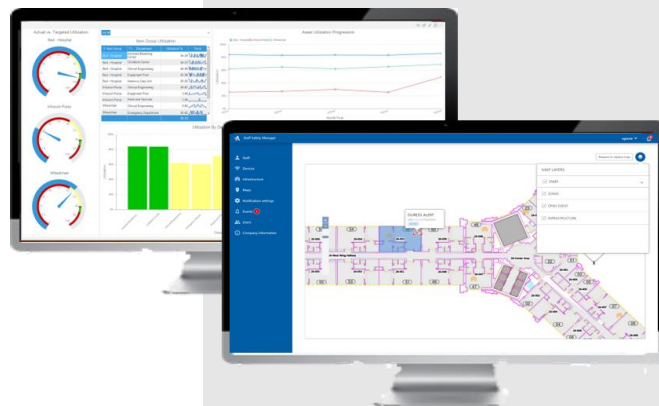
AiRISTA Flow Services

- Consulting
- Onsite deployment
- Training
- Custom reports
- Application integration
- Custom development

WHY AiRISTA FLOW

Experts in wireless RTLS for over 10 years, AiRISTA consolidates real time insights across the enterprise.

AiRISTA is recognized as a LEADER in Gartner's Magic Quadrant for Indoor Location Services 2022.



SOLUTION BENEFITS

- Fast, affordable, simple to use
- Packaged workflows & dashboards
- Deployed on-premises or cloud
- Variety of tags according to user type
- Long lasting battery, field replaceable
- Over-the-air programmable tag configurations
- Simplified deployment models
- GDPR and CCPA compliant
- Leverage the investment in your WiFi/BLE infrastructure
- Options for location accuracy below 0.5m for shelf level accuracy
- Enterprise-wide visibility to equipment, WIP, and staff in the moment

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