



## July Newsletter

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### Sensor Fusion On Display at Hannover Messe

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[Hannover Messe](#), one of the world's largest industrial trade shows, was held in early June. [Sensor fusion](#) was a major theme. As production processes get more sophisticated, combinations of sensor inputs are increasing efficiency, improving quality, and adding depth to the production record of each digital twin.

[AiRISTA](#) was invited to participate in [Cisco System's](#) booth. The AiRISTA demo combined submeter location accuracy and computer vision from an ecosystem partner, [Cogniac](#).

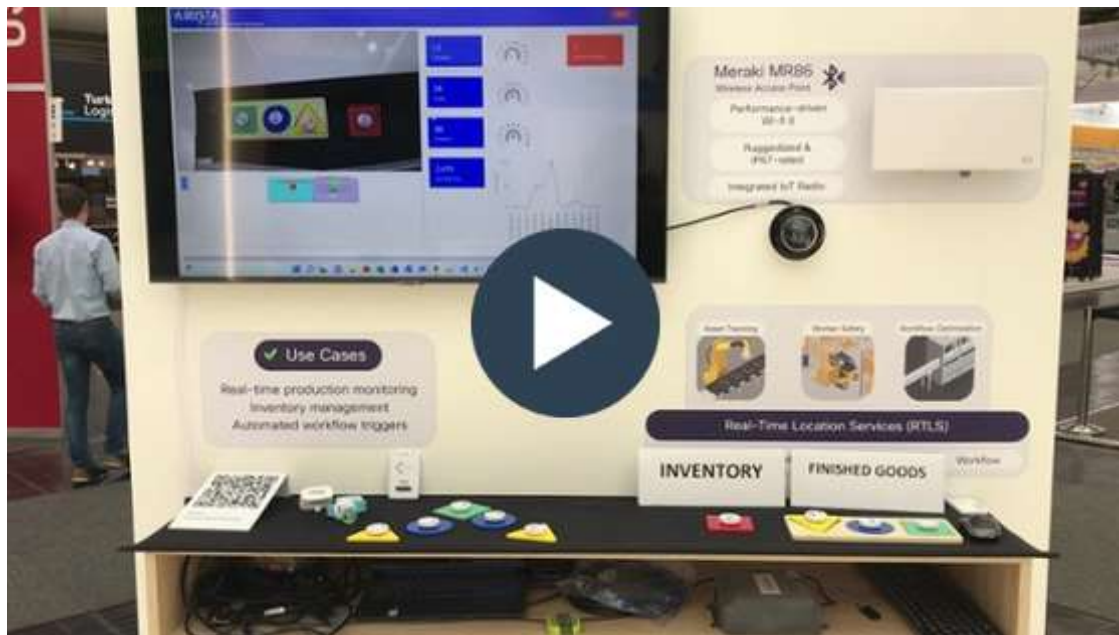
Leveraging [Cisco Meraki's](#) wireless infrastructure and video cameras, the demo used wooden puzzle pieces to illustrate component delivery and QA inspection. Using the AiRISTA BLE gateway with support for angle of arrival, each puzzle piece was tracked to within 20cm of accuracy as they were moved across the kiosk shelf. Corresponding movement was updated by the second on the display's map of the shelf top. Each move of a puzzle piece was reflected in production metrics in a custom [sofia](#) dashboard including finished goods, count against quota, remaining inventory, and takt time.



Cogniac's cloud-based algorithms trained a software module running locally on the Meraki camera to differentiate "good" puzzle pieces from a "defective" red square and generate an alert.

This fusion of submeter location accuracy and video based defect detection solves a variety of hard problems in manufacturing. For example, engineered to order (ETO) production cells must ensure the right components are at the work cell at the right time as the next unit of production arrives. Any components that are missing can be flagged in advance and quickly brought to the cell. Combined with video AI, visual defects in the parts can be caught before they are assembled avoiding expensive rework.

Click the image below for a 2 minute video of the demo.



## Continuing the Effort to Prevent the Spread

**As COVID cases begin to surge, sports program by the Veteran's**

## Affairs Administration are Protecting Athletes Against the Spread

David Tostenrude, Director of National Wheelchair Games, turned to AiRISTA for a [contact tracing and social distancing solution](#) to help prevent the spread of the coronavirus during events. "The health of our veterans is first and foremost. We needed a way to help keep participants socially distant and quickly do contact tracing in the event of a positive test. This solution helps provide a common standard of care across all our populations."



AiRISTA [support](#) was there from the start. "We were pressed for time with our first event, so when we got our first positive test result, an AiRISTA team jumped on a call with only 10 minutes notice. Our executive team was in the room and were pleased with the response. We were also able to access knowledgeable staff after hours. Their support exceeded our expectations."

These are great events that help our vets get back into life as part of the rehab process. We are always eager to welcome new volunteers. You get back more than you put in. To learn how to get involved people can contact [sports4vets@va.gov](mailto:sports4vets@va.gov)

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## National Indemnity Co. Doubles Down on Its Contact Tracing Efforts As Employees Return to the Office

Kim Barbaria, Sr. Manager for Business Continuity, led the team to investigate and

implement personnel safety measures during the pandemic. Her team was responsible for vendor selection, rollout, training, and the response in the event of a positive case. This is part of her larger role of business continuity and resilience – critical as an insurance provider.

Return to work was a gradual process with 1,300 people in the Omaha headquarters and 750 people in various California branches. When they shifted to 100% onsite they immediately had 2 positive cases on 2 floors and 15 close contacts. They have been averaging 1 case per day for the last 10 days so the system is needed more than ever.

According to Kim, use of the AiRISTA [solution](#) has also helped recruit new employees in this tight labor market.

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## AiRISTA Insights

### Articles We Found Interesting And We Thought You Might Too

#### [What's next for gender parity: Title IX, 50 years later](#)

"The full participation of women in the workforce would add roughly \$12 trillion to the global economy—a win-win scenario for all." McKinsey & Co.

- expanding the early talent pipeline to include more women
- increasing flexible work options
- holding leadership accountable for promoting gender parity
- subsidizing childcare to improve the “double shift” phenomenon
- creating more inclusive workplaces

#### [How can we work with anxiety to use it to our advantage?](#)

"One is that we remember that anxiety is information, and we need to listen to it. Two is that sometimes it's not useful information. Three is to hitch that anxiety to purpose, to something that really matters to you." McKinsey & Co.

#### [Nursing in 2021: Retaining the healthcare workforce when we need it most](#)

"How healthcare stakeholders can understand, support, and empower the nursing workforce in the wake of the global health crisis." McKinsey & Co.

### [Gartner's Magic Quadrant for Indoor Location Services](#)

AiRISTA has been named a LEADER in Gartner's Magic Quadrant for Indoor Location Services, 2022, for its ability to execute and completeness of vision. For insights into the market and trends, [click](#) for your free report.

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### **AiRISTA is Hiring**

We are experiencing growth as customers embrace our simplified approach to location based services. If you would like to be part of our team, we are looking for people with experience in Sales, Customer Service, Systems & Solutions Engineers, and Project Managers. Send us an email at [HR@airista.com](mailto:HR@airista.com) or visit <https://www.airistaflow.com/service/careers/>

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AiRISTA, 913 Ridgebrook Rd, Suite 110, Sparks, Maryland 21152, United States

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