



LOCH

Invisible Threats. **Visible Protection**

AirShieldSM

Wireless IoT Security

Cellular and Broad-Spectrum Wireless for Next Generation IoT Defense



IoT has created the world's largest attack surface. Today's networks and organizations were never built to handle the massive volume, velocity and hyper-connectivity of smart devices in the business environment.

With 80% of IoT devices now being wirelessly connected, wireless is the new network and new attack surface. Yet, most businesses still struggle to identify IoT devices within their environment — creating new security blind spots.

The proliferation of IoT devices has led to a growing visibility challenge as IoT has ushered in a plethora of new operating systems, new protocols and new frequencies that are simple foreign to the business. And with the growth of 5G cellular ramping up, more organizations are discovering that they have a significant lack of visibility into this new attack surface.

IoT Brings About New Risks and Threats

<p>Lack of visibility</p> <p>50+ Billion Devices by 2025</p> 	<p>Lack of assessment tools</p> <p>Plethora of new OS's and new software packages</p> 	<p>Attack surface is increasing</p> <p>Exploding number of protocols and frequencies</p> 
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75%

By 2023, 75% of organizations will restructure risk and security governance to address new cyber-physical systems and converged IT, OT, Internet of Things (IoT), and physical security needs.

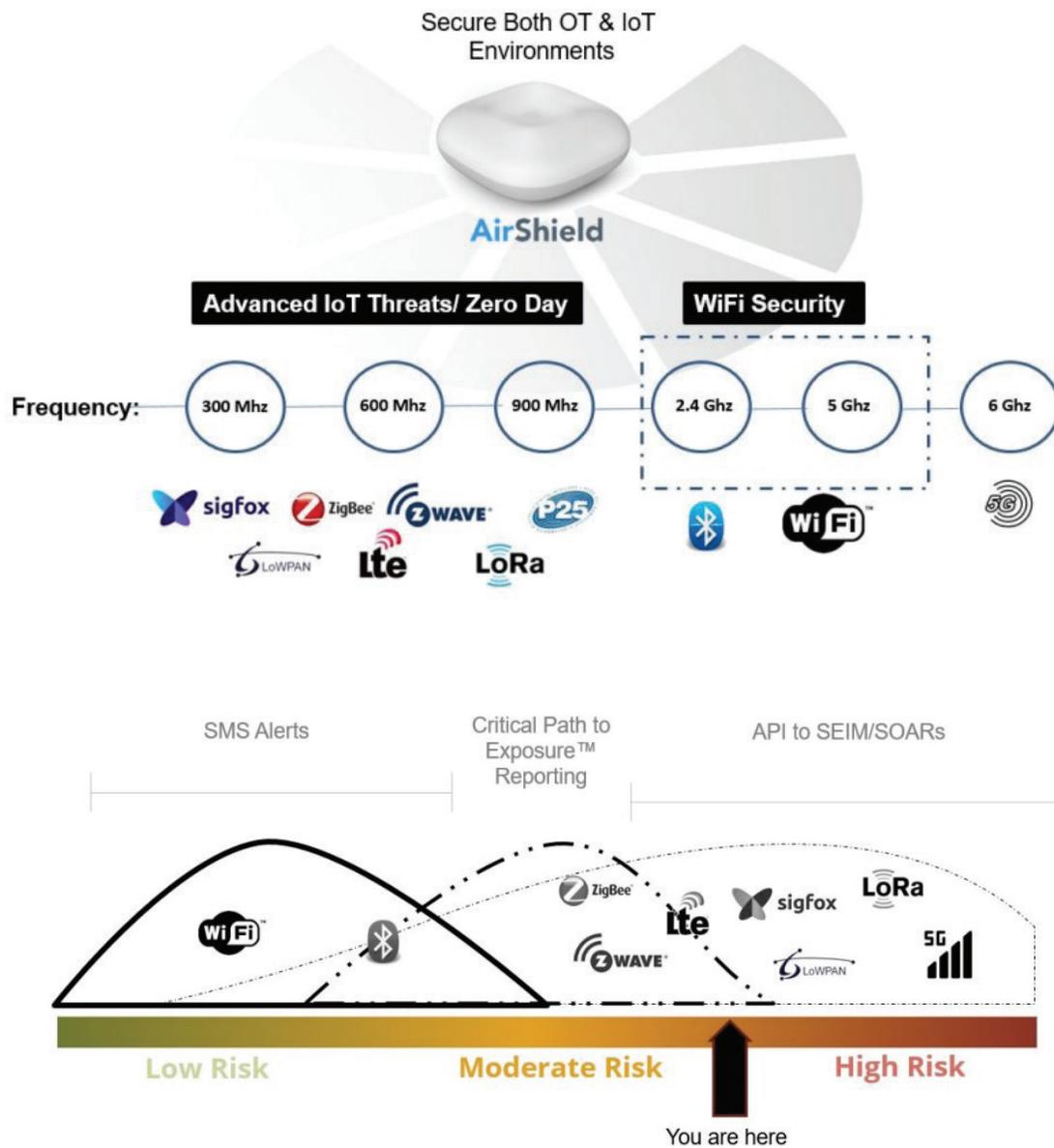


-  **Visibility** - Discover all broad-spectrum wireless IoT devices within your environment
-  **Protection** - Automatically identify unmanaged, unsecured and misconfigured IoT and OT devices
-  **Non-Intrusive** - Passive monitoring of airwaves for enforcement of zero-trust policies
-  **Easy to Deploy** - No Ethernet required. Integrated cellular backhaul for real-time access to cloud wireless threat analytics

Passive monitoring of the Cellular, Broad-Spectrum Wireless IoT and WiFi airwaves for next generation IoT Defense — eliminating the RF espionage threat to the enterprise.

AirShieldSM lets enterprises see every RF emitting device within their environment, on or off their production network whether connecting via Wi-Fi, Bluetooth, Cellular or other broad-spectrum IoT protocols.

AirShield provides comprehensive visibility into the IoT and OT (Operational Technology) threat landscape in order to detect, assess and prevent risk from unmanaged, unsecured and misconfigured IoT devices.



Leverage AirShield's Critical Path to Exposure™ kill-chain to identify the least path of resistance in wireless IoT security deployments.

Cloud Enabled - AirShield sensors connect to the Machine Vision Cloud. No on-premise server installation is required.

Receive real-time and actionable results in minutes, easily integrates with your daily SIEM/SOARs operations.

Real-time Data Analytics - Identify unacceptable wireless IoT vulnerabilities on managed and unmanaged IoT devices. Close the incident response loop with AirShield's Threat Hunting Incident Tracker app.

Customizable Software Defined Radio - Software Defined Radio monitors the new WiFi 6 and 5G spectrum (300Mhz to 6Ghz) to detect new and advanced wireless IoT threats.

Critical Path to Exposure™ Reporting - Raise awareness on the growing IoT security risks. Leverage the industry's leading IoT wireless security benchmark to measure how well you're doing.

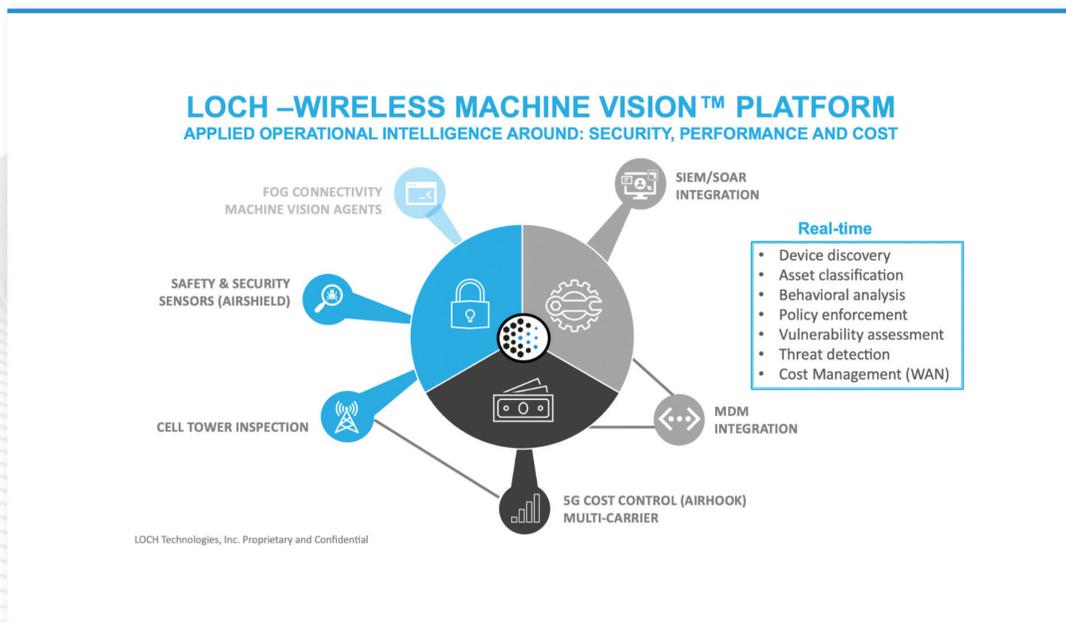
Threat Hunting Application - as part of AirShield's solution, a threat hunting is provided in order to locate nefarious wireless IoT devices on premise



LOCH Wireless Machine Vision™ Cloud Platform for AirShield and AirHook

LOCH helps bring order to this world of wireless chaos. With its patented Wireless Machine Vision platform, LOCH provides full proactive management and security for all 5G, OT, and IoT environments. Every connected device needs to be visible, manageable, and secure, regardless of the type of device, the protocol it uses, and who owns it. Whether for 5G, broad-spectrum IoT wireless, or Citizens Broadband Radio Service (CBRS) environments, LOCH helps customers manage security, performance, and cost for the full range of wireless devices.

By providing full visibility and actionable intelligence on all devices, LOCH enables organizations to confidently embrace the new world of wireless innovation that is driving the next generation of digital transformation.



Support for Multi-LAN (broad-spectrum IoT wireless) environments

The inability to see and accurately identify every device in and around your environment can create blind spots and vulnerabilities that can lead to corporate espionage, data exfiltration, and security breaches.

The AirShieldSM service provides non-intrusive real-time visibility and comprehensive monitoring and protection for broad-spectrum wireless devices for IoT, Industrial Internet of Things (IIOT), Internet of Medical Things (IOMT), and OT environments, irrespective of operating system, protocol, or connection type. With its software-defined radio and Wireless Deep Packet Inspection (WDPI) capabilities, AirShield monitors an organization's entire airspace to ensure the environment is protected against rogue devices, misconfigured devices, and previously-undetected wireless threats.

The AirShield service provides constant updates into the Machine Vision Platform^(TM) for centralized management and reporting.

ABOUT LOCH Technologies, Inc

LOCH is a global leader of next-generation wireless threat monitoring. The company provides actionable intelligence on all 5G cellular and wireless IoT devices to help organizations improve their security posture, reduce risk, and manage wireless data usage across the enterprise. Every wireless device needs to be visible and secure, regardless of what type of device it is, what protocol it uses, and who owns it. This guides everything we do and why LOCH aims to secure and enable the new world of wireless innovation that will drive the next generation of digital transformation.

For additional information, please visit us at www.loch.io



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