



LOCH

Machine Vision for 5G

AirHookSM

**On Demand Cellular Insights for Secure Edge Computing,
Performance Monitoring and Cost Management.**

With 80% of IoT deployments wireless, wireless is the new network and new attack surface.

IoT has created the world's largest attack surface and today's networks and organizations were never built to handle the massive volume, velocity, and hyper-connectivity of cellular IOT in the enterprise.

Know immediately if an adversary has compromised one of your IoT devices

In a Hyper-WAN environment (5G) without real-time visibility, instrumentation and prescriptive guidance, there is no way to adequately anticipate and control costs, monitor policy and behaviors, assess vulnerability conditions, and detect and remediate real-time threats within the environment.

AirHook is a best in class cellular IoT security service providing organization with a multi-layered approach to managing cellular threats in real-time.

Cellular IoT devices such as laptops/iPad or M2M devices/ applications are at risk from SIM Port Hi-Jacking, SIM Swapping, DNS Manipulation, Malware delivery, Impersonation attacks, Malicious SMS, Rogue Cell-Tower Man-in-the-Middle, DDoS attacks to name a few.

AirHook incorporates a predictive IoT analytics platform with patented cellular intrusion detection capabilities to detect, assess and prevent risk. AirHook supports multi-carrier networks and deployments so you can simplify the complicated data streams from large-scale deployments.

TOP CELLULAR THREATS



Misconfiguration

Excessive data usage can lead to uncontrollable costs.



IoT Rogue

Rogue communication and data exfiltration.



SIM Port Hijack

Loss of control over your SIM connectivity.



Cellular Attacks

Malware, DDoS and BOTNETs can lead to excessive device utilization and data exploitation.



Rogue Cell Tower

Stingrays and SIM devices connecting to an evil-twin cell tower. Steal credentials and data.



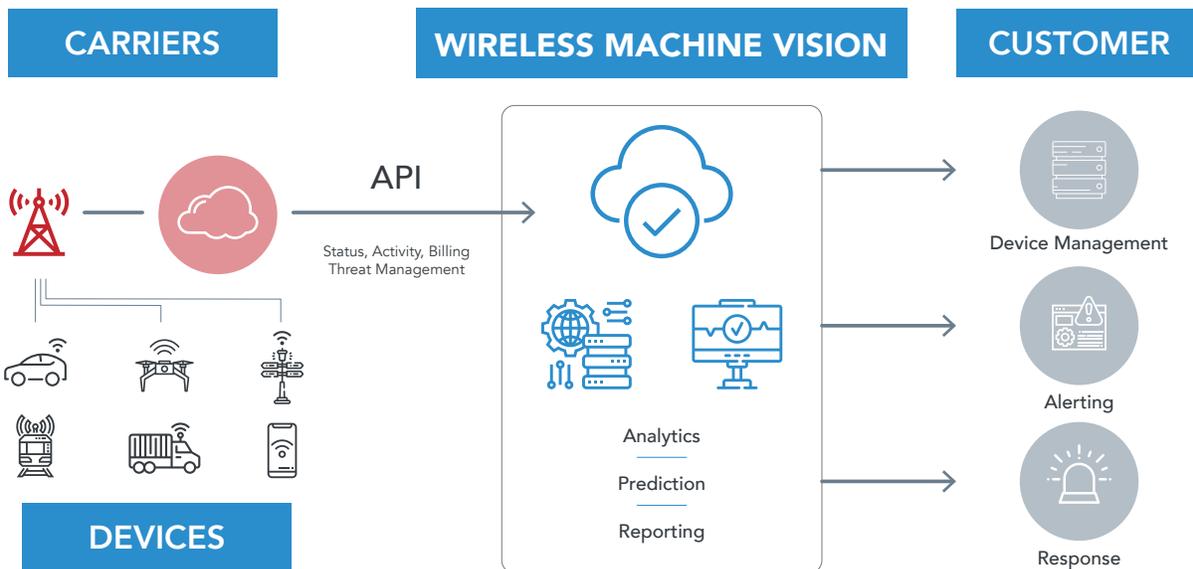
Roaming

Increases data usage and billing costs. Enforce no unauthorized connections.

AirHook Benefits

- Visibility and control of all Subscriber Identity Module (SIM) cards and their host devices
- Policy-based management of all device and network usage
- Report on data usage for all devices at aggregate, group, and per-device views
- Real-time pool balancing and management of device data usage
- Terminate high-utilization devices before they exceed capacity limits and cost overages
- Add and remove devices from any carrier network
- Identify and block access of suspicious devices
- Detect and remediate vulnerabilities and threats

HOW OUR PLATFORM WORKS



Secure OT and IoT Environments

In the new world economy of hyper-connected applications, an increasing number of purpose-built Operational Technology (OT) systems and (IoT) devices are leveraging the most highly available and broadly applicable wireless technologies to increase and simplify rollout velocity while decreasing operational costs, utilizing cellular SIM-based units.

Managing these devices and service plans to an operating budget can be challenging. The AirHook Intelligence platform puts the power of on-demand, cellular, and cellular usage insight into the hands of the customer, to make informed business decisions ensuring security and productivity while optimizing cost in real-time.

AirHook provides real-time visibility, security enforcement and cost management across your connectivity data from around the world into one view, no matter how large your deployment or what mix of cellular carriers you use.

This powerful IoT analytics solution allows you to enforce deviations of policy, identify unacceptable cellular IoT vulnerability - prior to loss or incident occurring.

Having trouble managing your cellular devices and behaviors?

- Would you like to know in real-time where you are against your monthly data usage allowance?
- Want to know when you are going to experience overages resulting in unplanned charges?
- Would you like the ability to rebalance your SIM pools on demand to avoid overages and balance your billing?
- Want to know when a SIM has been removed from its device and placed into another device when it happens?



GET A COMPREHENSIVE VIEW OF YOUR ENTIRE IoT ENVIRONMENT

View your information in a “single pane of glass” of your IoT devices and carriers. Makes things simpler at a lower cost.



CONTROL YOUR FUTURE

Gain operational insights into predictive revenue analytics for your business with data usage investigation, department level operational issues and troubleshooting.



TAKE ACTION

Receive rule-based alerts. Recognize common issues quickly and take informed action.



SIMPLIFY TASKS

Coordinate Back Office Billing, Cost Center Management and Data Pool Balancing



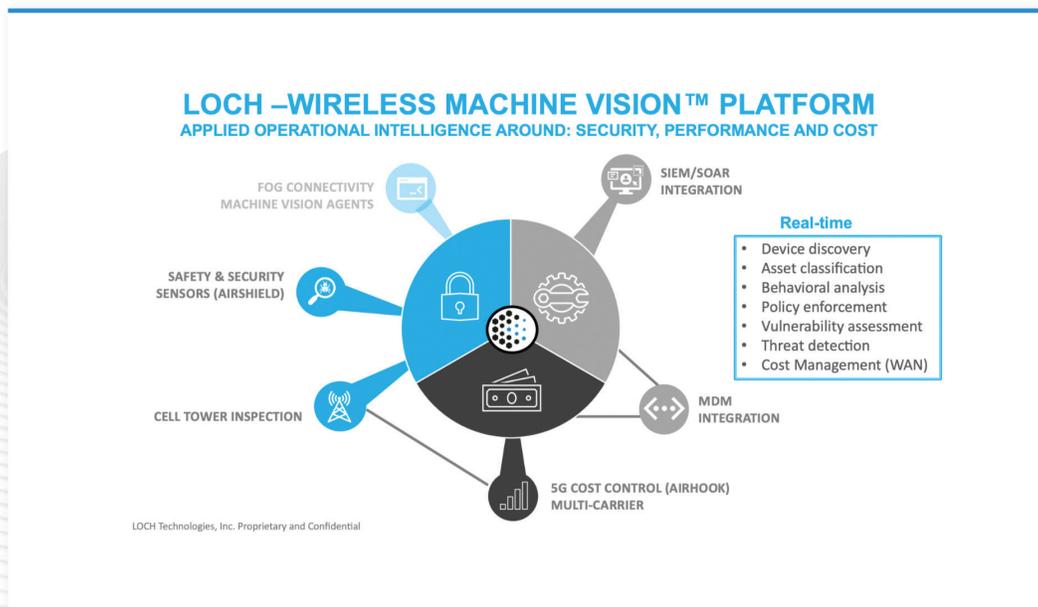
REPORTS

Customized reporting for any Business Unit or Cost Center.

LOCH Wireless Machine Vision™

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 Hyper-WAN (5G) environments

Without real-time visibility, monitoring, and active management of 5G wireless devices, enterprises have no way of managing the risk and costs associated with them. There is no way, for example, to predict data usage, monitor device policy and behavior, or detect and remediate real-time threats to the environment.

To address this, the AirHook service provides real-time visibility and comprehensive security, performance, and cost management for 5G cellular devices across all carriers. AirHook feeds discovered information into the LOCH platform.

The AirHook service reports into the LOCH Wireless Machine Vision Platform™ 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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