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## Increase Security and Operational Efficiency in Airports with **SecuriThings Horizon**

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### A Technology and Business Challenge

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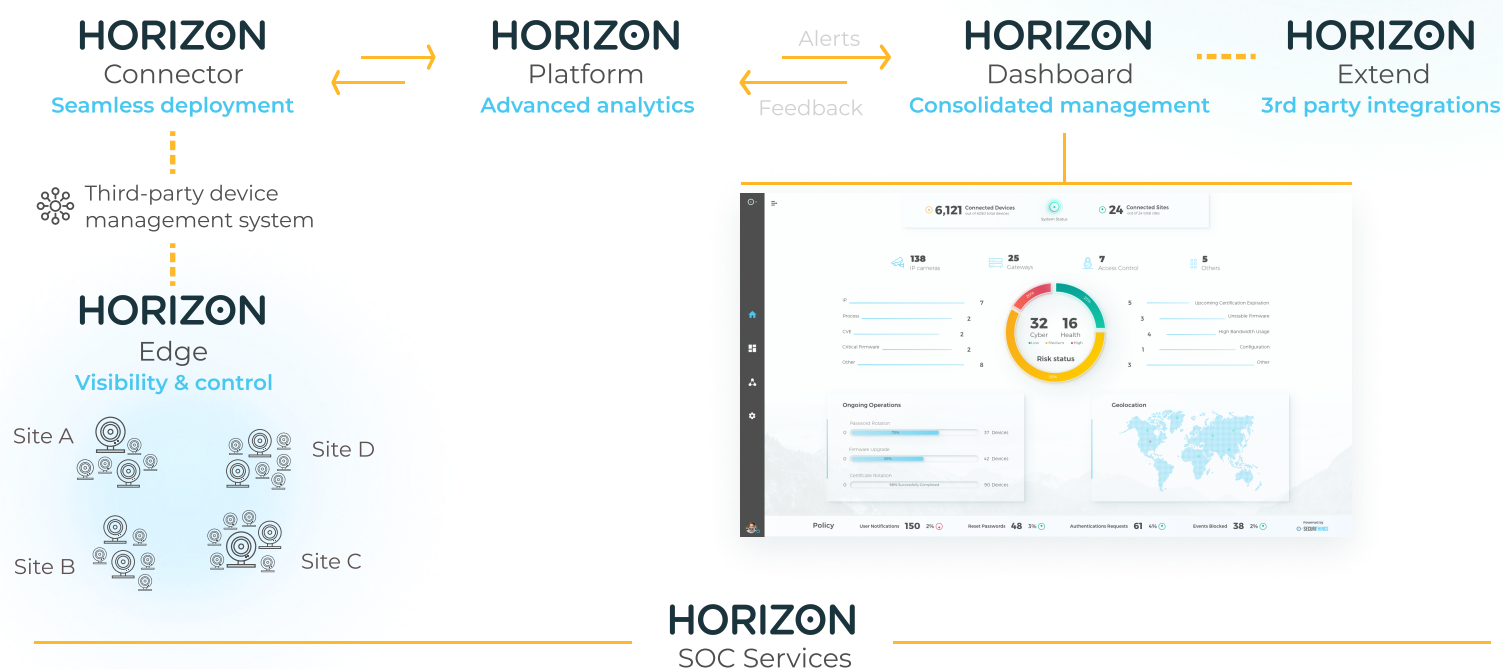
According to a 2019 online survey, airports that define themselves as agile (56%) or smart (28%) are using IoT technology to enhance interoperability, together with intelligent applications such as passenger check-in and boarding services, HVAC (Heating, Ventilation, Air Conditioning) and automated baggage handling systems. These smart systems allow airports to improve the passenger experience, as well as optimizing operations for an exponentially increasing number of passengers. However, the deployment and integration of IoT-enabled solutions also **exposes airports' critical infrastructure to cyber threats that may jeopardize the security and safety of their passengers and operations.**

The inherent vulnerability of IoT edge devices and their physical proximity to potential hackers make each one of them a **potential entry point to reach critical assets**. In parallel, the increasing use of smart devices by travelers and employees turns each one of them – from a security standpoint – into a potential attacker. While 59% of airports claim to have effective cybersecurity policies for IT assets, **the majority (76%) pinpointed the lack of IoT security awareness as the greatest risk** (PMC survey, 2019). For example, changing default credentials and BYOD controls are among the poorest implemented technical practices by smart and agile airports.

Thus, **a service downtime due to a failure or cyber-attack on a single IoT edge device could severely impact the airport security and operations, as well as airside operations safety.** From a cyber security perspective, a hacker gaining control of a video surveillance (CCTV) device could use the camera for hostile reconnaissance, inject his own video stream, or use the device to pivot into other devices on the same network.

# SecuriThings Horizon Maximizes Airports' Security and Operational Efficiency

SecuriThings Horizon is **the first IoTops solution** automating the operational management of connected devices. The software-only solution provides **risk detection, predictive maintenance and automated operations**. Horizon is seamlessly deployed on existing and new IoT devices (video surveillance, building automation systems, baggage handling, etc.) by connecting to the airport's Management Systems. From that point on, Horizon is performing 24/7 monitoring and analysis across all devices.



## HORIZON SOC Services

Sites & devices  
connectivity  
monitoring

Automated  
password rotation  
& firmware upgrade

Real-time device  
operational status  
& metrics

Alert prioritization  
& classification

Configurable  
& detailed  
compliance reports

## Benefits

- ( Major operational cost savings )
- ( Edge protection and predictive maintenance )
- ( Centralized view across IoT devices )
- ( Seamless deployment on new and existing devices )

**PROTECT your IoT devices**  
**while MAXIMIZING YOUR OPERATIONAL EFFICIENCY**



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**SECURITHINGS**  
MANAGING IoT OPERATIONS AT SCALE