

OPAIN: El Dorado International Airport

Sociedad Concesionaria Operadora Aeroportuaria Internacional (OPAIN) operates El Dorado International Airport in Bogota, Colombia, where over 750,000 tons of cargo passes through each year — making it the busiest international cargo airport in Latin America.



At a Glance

- ✓ AI cyber security that autonomously detects and investigates emerging threats
- ✓ Protects complex and expansive CCTV camera infrastructure
- ✓ Improved visibility into their digital ecosystem, including diverse IoT infrastructure

“Cyber AI provides the coverage and visibility that we were lacking before.”

Digital, Cyber Security, and IT Manager,
OPAIN

Cyber Security Challenges of a Large Airport IT Infrastructure

Serving over 35 million passengers annually, El Dorado is the third largest airport on the American continent. As a forward-looking organization, OPAIN recognized the need for cutting-edge cyber security to protect its passengers and technology, as any breach in the aerospace environment could be highly disruptive, if not disastrous.

El Dorado Airport has a diverse collection of IoT systems to support the large number of passengers it sees every day. This includes CCTV security cameras, luggage systems, flight information screens, and self check-in kiosks, among others. Cyber AI is vital to protecting this connected machinery, acting as an ‘AI brain’ which uplifts and extends the team as they fight back against threats.

Darktrace autonomously detects any and all malicious activity across the airport and its administrative systems.

“Darktrace has become the eyes we didn’t have before.”

Digital, Cyber Security, and IT Manager, OPAIN

Cyber AI Illuminates IoT and CCTV Systems

OPAIN has deployed the Darktrace Immune System across every facet of its digital ecosystem - from IoT to the traditional network. Leveraging machine learning to discern anomalous behavior, Darktrace’s Cyber AI learns the ‘pattern of life’ for every user and device in real time to spot threats and continually evolves its understanding of ‘normal’ as the organization grows.



Darktrace's Immune System protects the airport's vital CCTV system - made up of over 1,300 cameras. Cyber AI revealed these devices were exposed to unauthorized access, and OPAIN was able to quickly close these digital gaps.

Cyber AI was also able to uncover issues with OPAIN's connected machinery, allowing the IT team to improve and scale to different technologies in order to facilitate more efficient management of its systems and provide a safer experience for the entire airport community.

“Darktrace AI is the core of our whole cyber security system.”

CTO, OPAIN



Unifying The Digital Patchwork

Darktrace Cyber AI ensures OPAIN maintains its security and reputation. In November 2019, a marketing agency which was managing the airport's social media was breached, and the criminals were able to hack into El Dorado Airport's Twitter account. Even though the account was not directly overseen by the OPAIN security team, Darktrace was still able to identify and remediate the threat immediately, mitigating reputational damage.

The Darktrace user interface, the Threat Visualizer, is key to the security team. Employees report that the real-time view it provides and the stealthy threats that the technology surfaces enables the team to direct their attention to the most pressing security issues. It allows management to easily monitor the regular behavior of all devices and systems within the organization's digital infrastructure, as well as maintain much improved control over what is being brought into the network.

The team leverages Cyber AI Analyst, Darktrace's autonomous threat investigation and reporting technology, to help them understand the full scope of the threats that arise in their digital ecosystem. Able to mimic expert human analysts, the AI autonomously stitches together disparate events into a single security incident and communicates its findings in the form of a concise, digestible narrative.

“With 24x7 SOC coverage from Darktrace HQ, we are notified immediately if malicious activity is detected.”

CTO, OPAIN



Darktrace's dedicated interface for cloud-based threats

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