

# Asset Risk Management

for Port Authorities



The convergence of IT and operational technology (OT) has created **blind spots** in port security while increasing cyber security **complexity**

How Fortress is solving these problems:

## Problem

## Solution



### Increased risk management complexity

The management of risks across vendors, assets, vulnerabilities, threats, patches and incident response has become costly and siloed

Technology - The Fortress Platform was built to ingest data from GRC, procurement, device management, sensor and scanning tools/systems with the purpose of **process orchestration** and **analytics-based** task prioritization. Services - Flexible managed services models range from advisory through fully-managed and deliver program **maturity within 3-months** (in-house time-to-maturity is typically 24 months).



### Convergence of IT, OT and physical security

IoT devices are falling through the cracks, lying somewhere between OT and IT. These include access readers, CCTV, motion sensors, ordinance sensors, cargo and body scanners and more.

The **Fortress Augmented Reality System** enables tablets (running iOS or Windows) to use digital imagery to identify asset inventory, vulnerabilities, banned devices and detect physical changes. Further, **banned devices** are identified on network with proprietary sensors.



### Legacy CCTV camera system is compromised

This can lead to faked audio and video capture, manipulation or theft of imagery in high-security areas, cloaked attackers or even the creation of a staging ground for further attacks.

We identify and **replace** the cameras banned by the DHS with Credentialed High Assurance Video Encryption (CHAVE)-enabled IP cameras. CHAVE combines

1. The first US federally-trusted KPI certificate-based IP cameras from Bosch that meet FIPS 140-2 Level 3 certified encryption,
2. Genetec Security Center, the software interface that leverages latest encryption from TLS, AES-128 and RSA and
3. A **multi-factor smart card authentication** method as mandated by DHS and NIST



### Budget constraints

Typically, physical security gets the larger budget dollars and IT or cyber initiatives have to "make do."

The Department of Homeland Security has issued **\$100Mn in grant money** available to port authorities. The **application deadline is May 29, 2019**, and we help you with the paperwork. Spending period is Sep 1, 2019 through Aug 31, 2022. Further, Fortress is a holistic solution with flexible commercial models between IT and physical security.