



How to prevent and detect smuggling, human trafficking, and contamination/terrorism on intermodal and shipping containers

REDFLAG CARGO SECURITY SYSTEM

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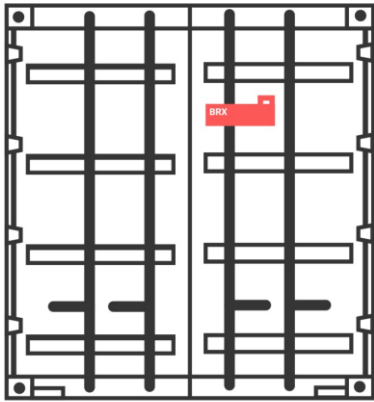
Problem & Solution

Problem: US importers struggle with preventing and detecting

- 1) Human trafficking
- 2) Drug smuggling, and
- 3) Contamination and Terrorism of imported products

Solution: Red Flag BRX, a smart barrier lock; LXE, an active Bluetooth tamper-resistant seal; and STM, security transit management software, are designed to secure, protect, and monitor containers from origin to destination

What is BRX?



Intermodal smart barrier lock, build from Heavy Duty steel housing, 15-20 Year battery life without a single charge able to lock/unlock the door: 1) remotely, 2) via mobile app, 3) geofencing, or 4) Machine Learning

- ▲ Light sensor: identify if door is ajar or container is compromised
- ▲ Proximity sensor: can identify moving human in specific quadrant of container
- ▲ CO2 and Motion sensor: to detect and identify human presence inside of a container
- ▲ Bi-directional communication between Red Flag STM and BRX
- ▲ Can be installed in container factory or on a used container

What is LXE ?



Active Bluetooth, Tamper-Resistant, Cable cut detection, which communicates with Red Flag readers with a range up to 200 meters at speeds topping 70MPH.

- ▲ Smart mesh reader technologies to cover long-distance territories
- ▲ LXE can be monitored in railyards and terminals via a precision mesh
- ▲ Local Positioning System.
- ▲ Human free seal status filtering in strategic points.
- ▲ RF Reader can pair container with seal # automatically by reading AEI tag

What is STM ?



BRX and LXE achieve full traceability, monitoring, and Machine Learning to be able to detect smuggling, human trafficking, and contamination on intermodal and shipping containers via STM (Red Flag Security Transit Management)

- ▲ Manage company locations, users, seals, shipping document
- ▲ Inventory control of security assets
- ▲ Ledger of all activities (open, close, cut, filter, tamper attempt, etc.)
- ▲ BRX Geofencing: to lock or unlock based on geo coordinates
- ▲ BRX Machine Learning: to lock and unlock based on predictive analytics
- ▲ Status reporting
- ▲ Alert and notify command center and field officers about anomalies
- ▲ IOS and Android application to lock and unlock BRX
- ▲ IOS and Android application to scan/filter seals and check status/report of container history



New Product Beta Testing

Peru customs (SUNAT) in this moment using our mechanical seals and software. Beta testing queued to start Q1 2022.

Beta test with UP railroad arranged for Q1 2022

Trinity Industry (rail car producers) in development with Red Flag BRX implementation to create smart railcar concept

Main Clients using Red Flag seals and STM software

CBP, German Customs, SUNAT- Peru Customs, KSCM Railroad, KRAFT-Heinz, Valero, Trinity Rail, Kinder Morgan, DHL + more

Conclusion

Supply chain security and traceability can only be achieved when both importers and agencies have:

- 1) hardware and security assets they can trust
- 2) software to monitor and control container security
- 3) system protocols that work seamlessly and with minimal human interaction

THANK YOU.

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SECURE THE FUTURE

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