SMART CONTAINER ALLIANCE
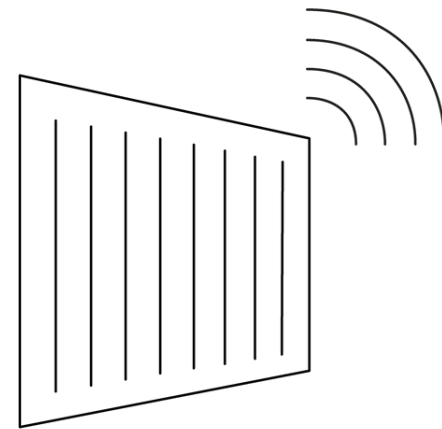
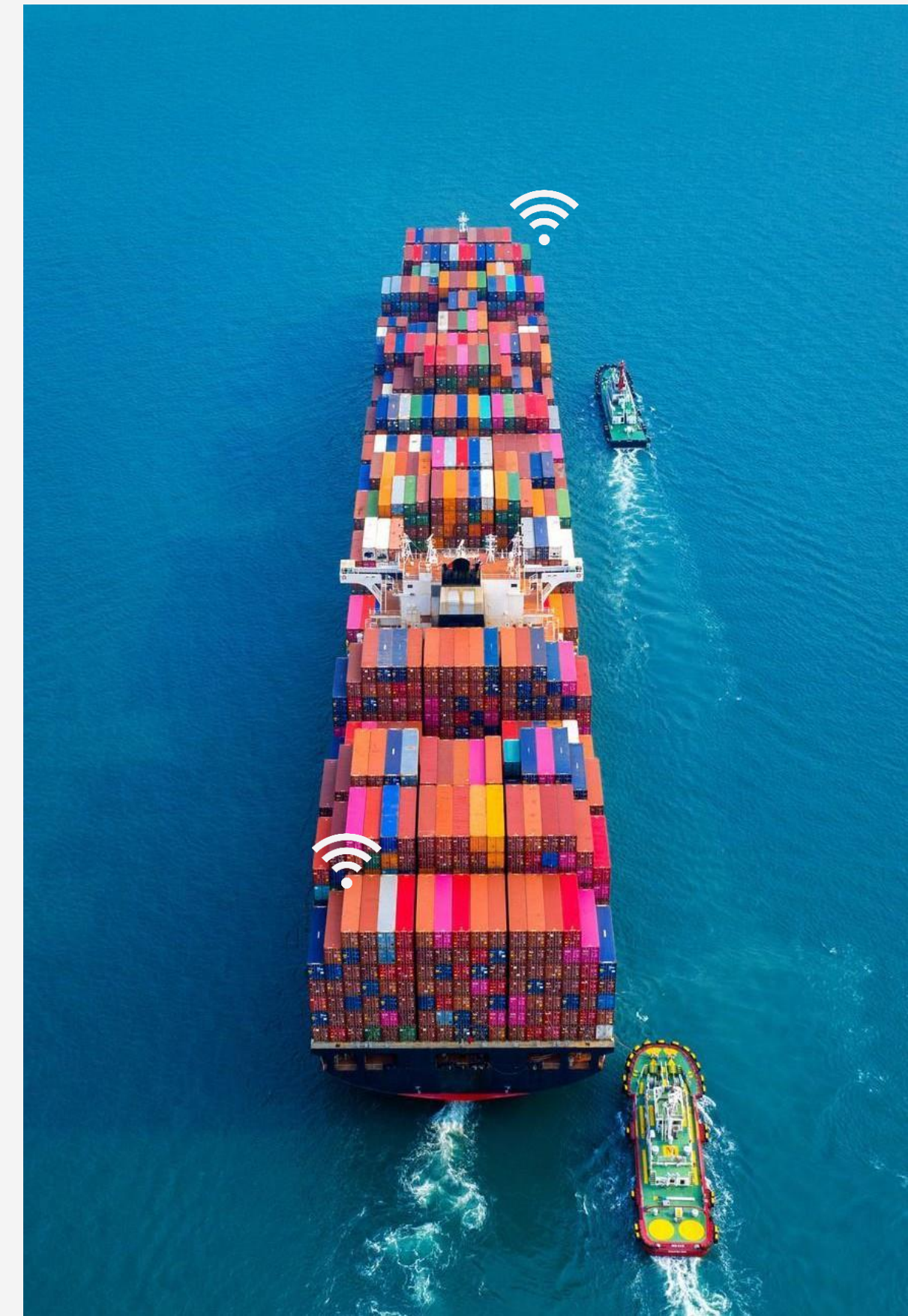## Cargo Control: the missing piece of the puzzle.

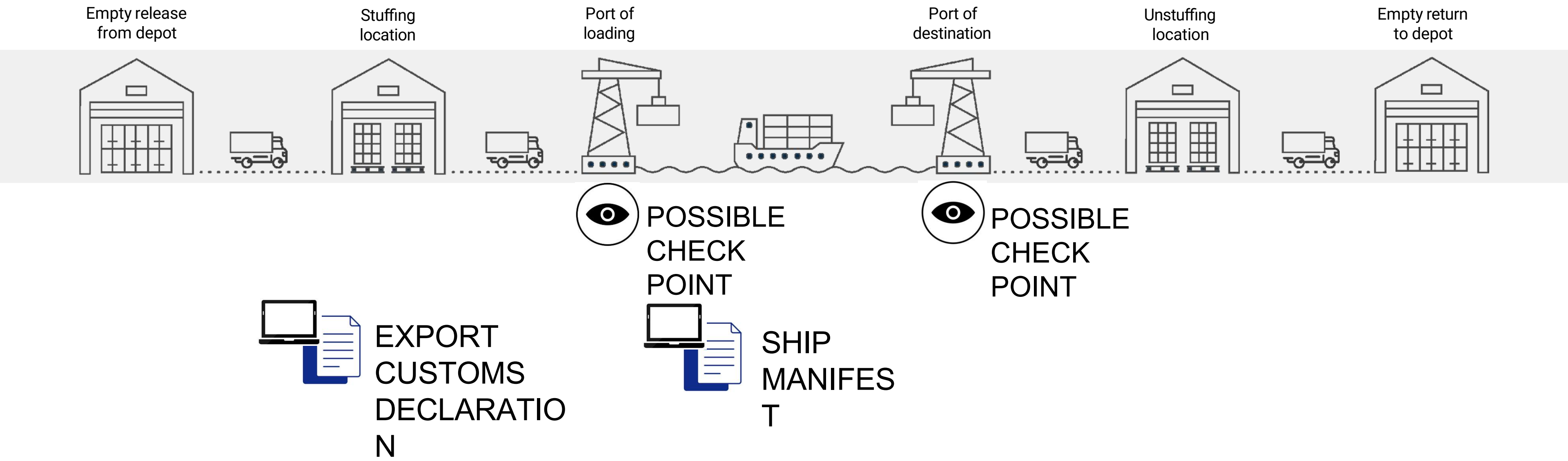arviem

ORBCOMM®

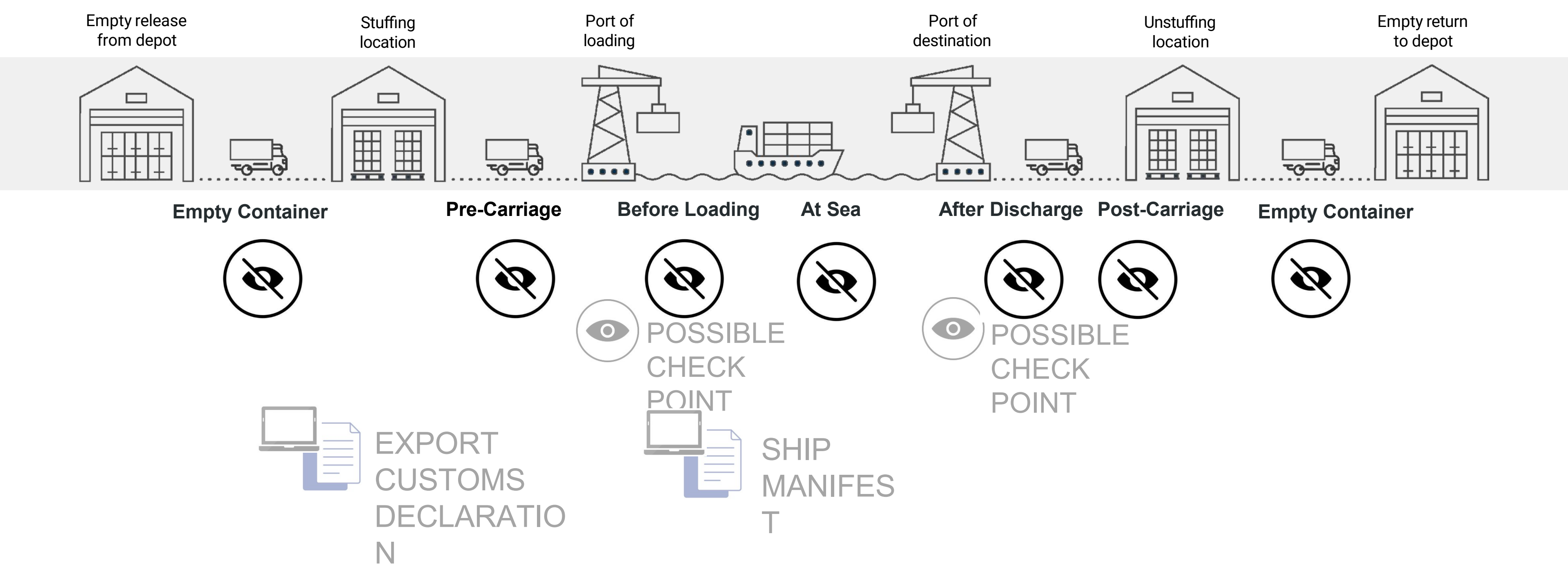TRAXENS

hoopo

Globe Tracker

nexxiot

WHY THIS MATTERS

Empty release
from depot

Stuffing
location

Port of
loading

Port of
destination

Unstuffing
location

Empty return
to depot

POSSIBLE
CHECK
POINT

POSSIBLE
CHECK
POINT

EXPORT
CUSTOMS
DECLARATIO
N

SHIP
MANIFES
T

WHY THIS MATTER

Empty release from depot

Stuffing location

Port of loading

Port of destination

Unstuffing location

Empty return to depot

Empty Container

Pre-Carriage

Before Loading

At Sea

After Discharge

Post-Carriage

Empty Container

POSSIBLE CHECK POINT

POSSIBLE CHECK POINT

EXPORT CUSTOMS DECLARATION

SHIP MANIFEST

AEO PROGRAMMS: THE ANSWER?
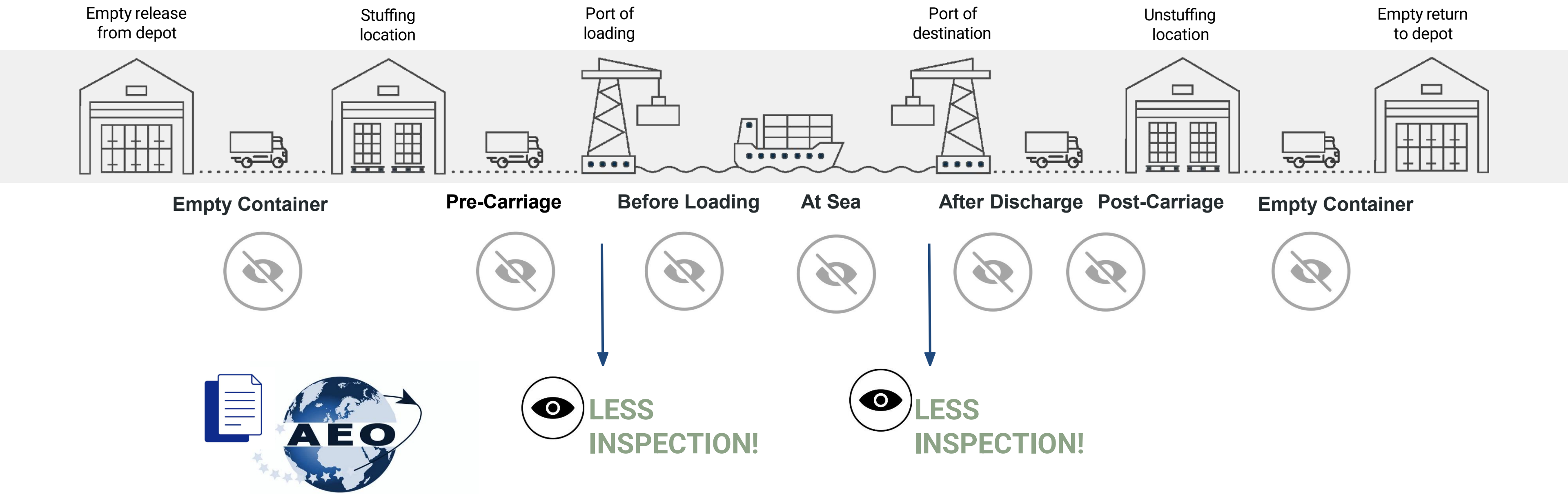
AEO PROGRAMMS: THE TARGET...

Empty release from depot

Stuffing location

Port of loading

Port of destination

Unstuffing location

Empty return to depot

Empty Container

Pre-Carriage

Before Loading

At Sea

After Discharge

Post-Carriage

Empty Container

AEO

LESS INSPECTION!

LESS INSPECTION!
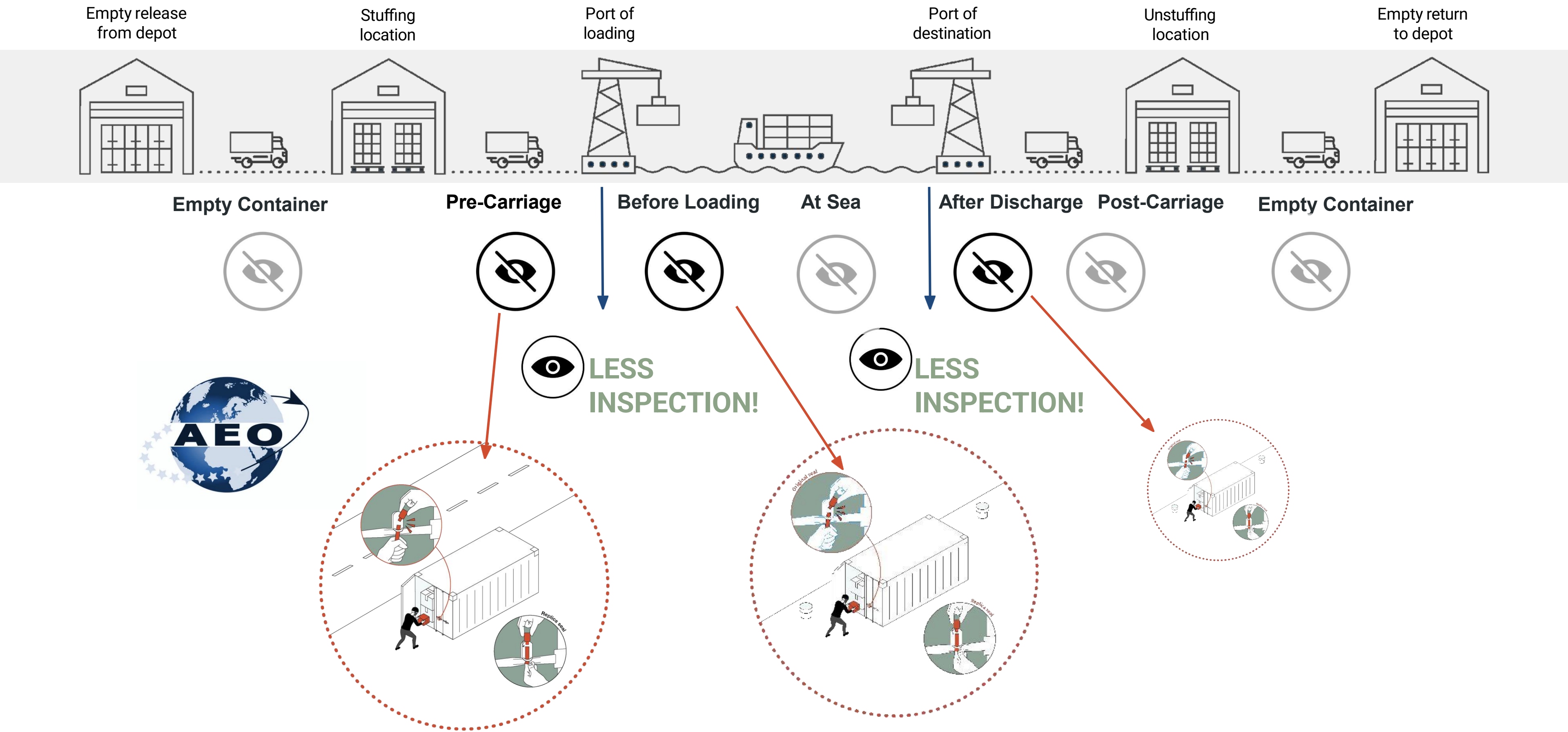
FROM TRUST IN TRADERS TO TRUST IN THE JOURNEY

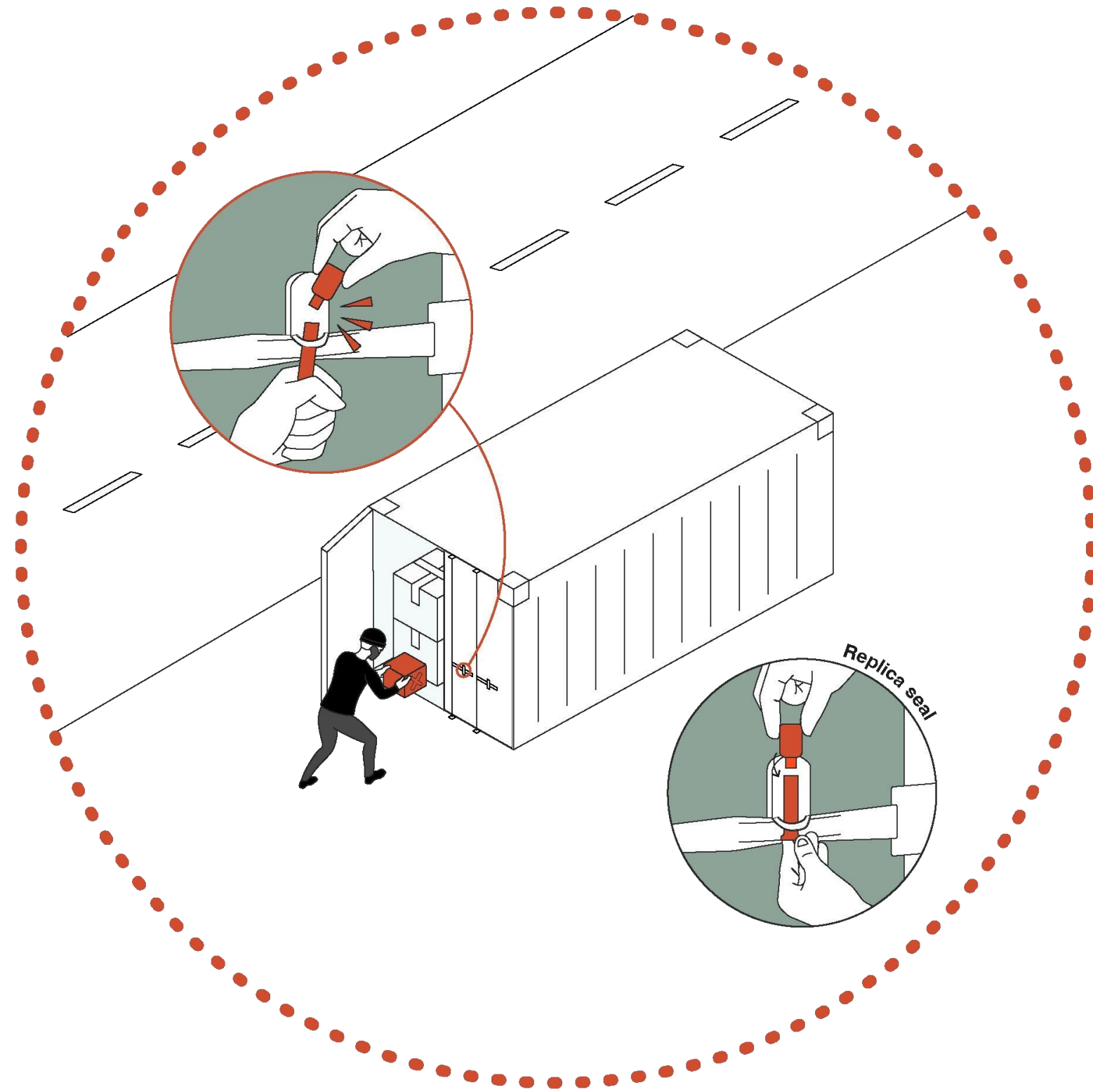
Supply Chain Integrity Project
World Customs Organization

REPORT

Infiltration of maritime cargo supply chains

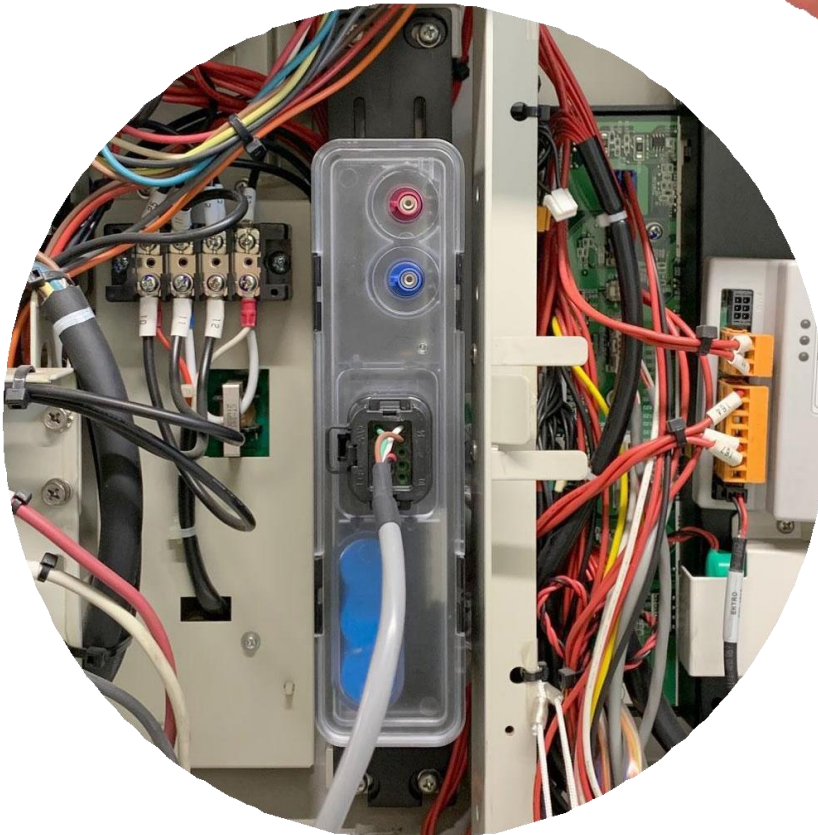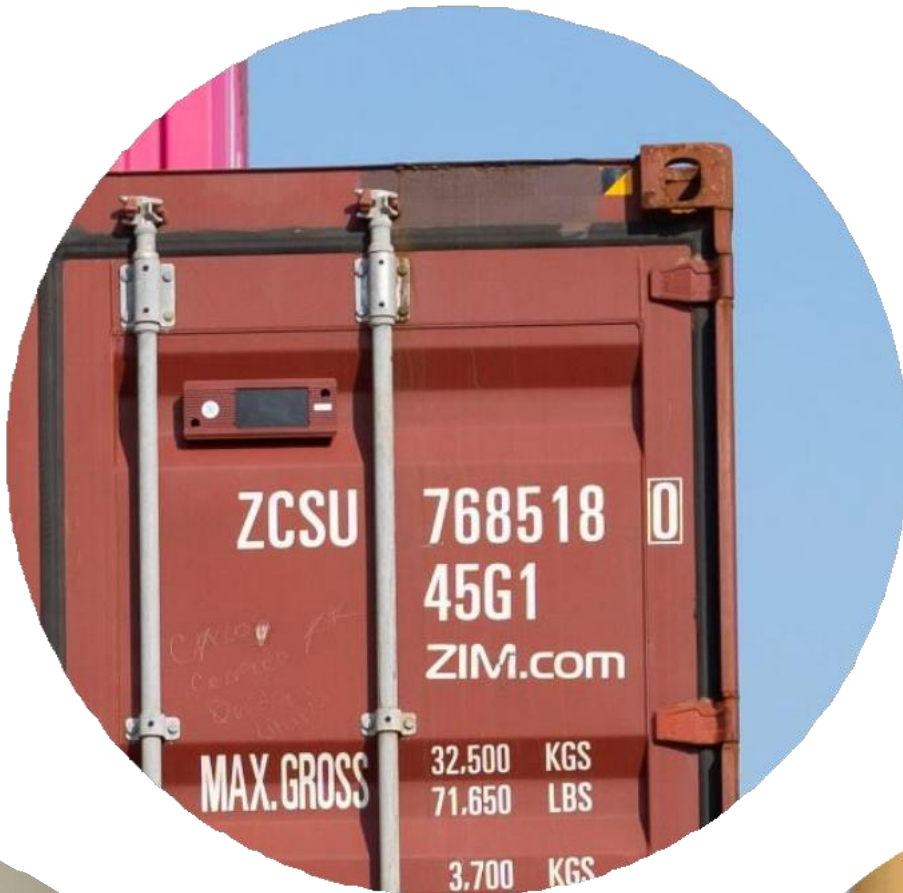Organized crime, cocaine and the internal conspirator

Container rip on - rip off or 'rips'

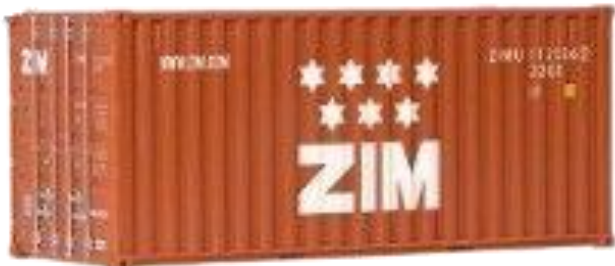767 seizures /
378.4 tonnes
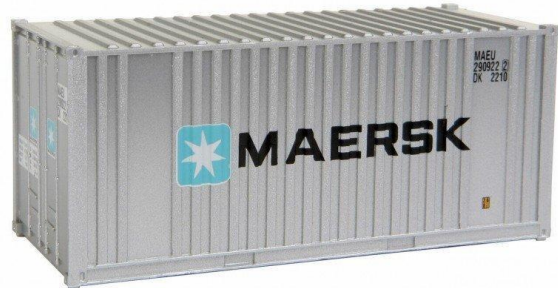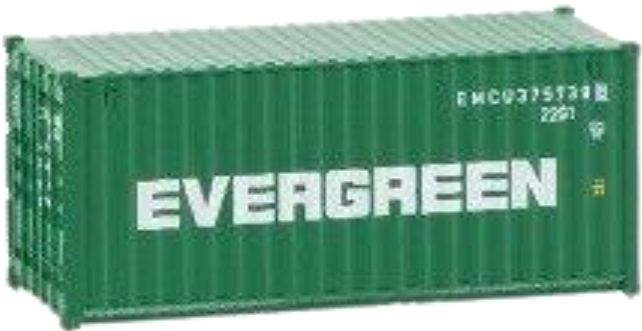
Replica seal

SOLUTIONS READY ON THE FIELD

DEPLOYMENT ACROSS SHIPPING LINES

SOME OF YOU ARE ALREADY FAMILIAR WITH THE DATA

"Having the ability to monitor live container movements allows customs to more efficiently identify high-risk cargo."

U.S. Customs and Border Protection

"This is a very significant tool to support law enforcement in the battle against organised crime."

Australian BORDER FORCE

"Live monitoring of container movements using smart seals/smart containers also complements the concept of Smart Secure Trade Lanes."

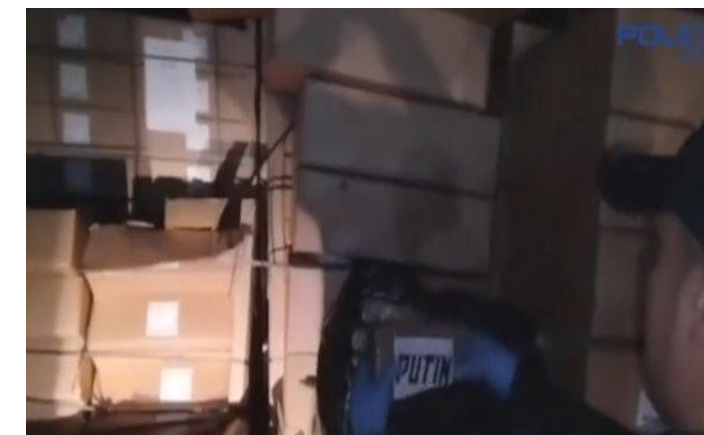Customs Administration of the Netherlands
Ministry of Finance

Approx

68 000 containers

equipped in Ecuador
over the last 4 years

Approx

32 TONS

found in **22 seizures**

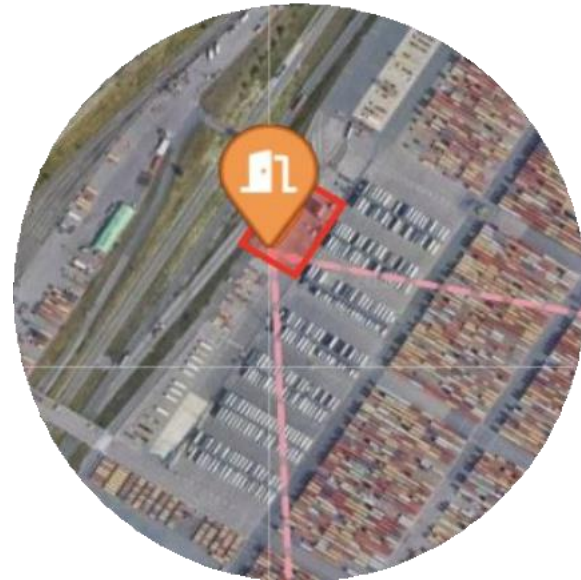by customs using real time

smart container data

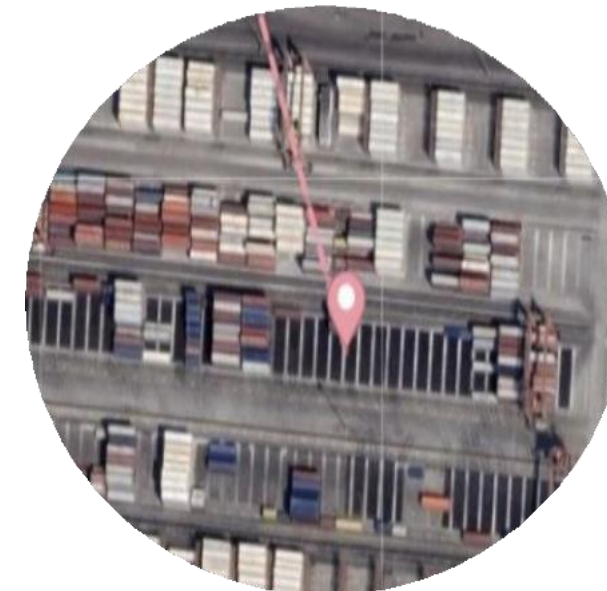# HOW? CONTAINER MOVEMENTS UNDER SUPERVISION

Acurate geolocation & geofencing

Entry and exit in defined zones

Dwell & motion detection

On the road or at terminal

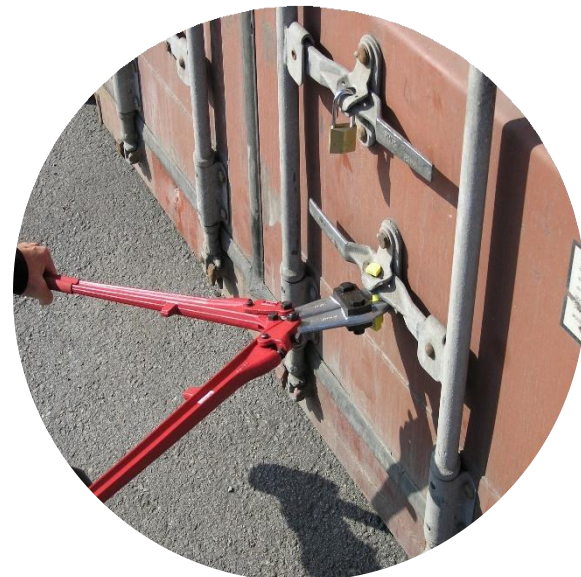## Door opening detection

Expected or Unexpected

According to the zone, time, previous events…

Device tearing/tampering

Abnormal action on the device are also detected

REGAIN VISIBILITY WITH EXCEPTION DETECTION

Empty release from depot

Stuffing location

Port of loading

Port of destination

Unstuffing location

Empty return to depot

Unexpected Door opening

Expected Door opening

REGAIN VISIBILITY WITH EXCEPTION DETECTION

Empty release from depot

Stuffing location

Port of loading

Port of destination

Unstuffing location

Empty return to depot

Container open after geofencing out Stuffing

New ⌄ Unexpected

Replica seal

Unexpected Door opening

Expected Door opening

REGAIN VISIBILITY WITH EXCEPTION DETECTION

Empty release from depot

Stuffing location

Port of loading

Port of destination

Unstuffing location

Empty return to depot

Container open after geofencing out Stuffing

New ∨   Unexpected

Replica seal

🔴 Unexpected Door opening

🟢 Expected Door opening

REGAIN VISIBILITY WITH EXCEPTION DETECTION

Empty release from depot

Stuffing location

Port of loading

Port of destination

Unstuffing location

Empty return to depot

Container open after geofencing out Stuffing

🔖 New ⌄   Unexpected

Container open on terminal

🔖 New ⌄   Unexpected

Opening duration	Last tracking status	Last tracking status date
26s	Gate in	2026/01/08 18:21

Replica seal

🔴 Unexpected Door opening

🟢 Expected Door opening

Watch results in action

THE WCO GETS IT

The World Customs Organization has formally recommended that Customs administrations adopt smart containers and other smart security devices.


> *Customs should apply a seal integrity programme* *(..)* ***based on the use of smart security devices*** *or high-security mechanical seals*
>
> *2.1.2 General Control Measures*

> *Customs administrations should encourage and facilitate, through appropriate incremental incentives, the* ***voluntary use by AEOs of more advanced technologies***, *including* ***smart security devices, beyond mechanical sealing***
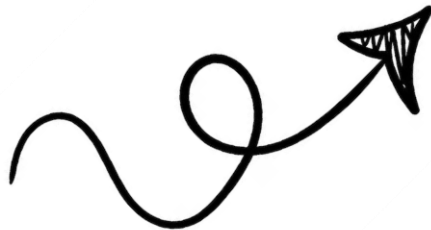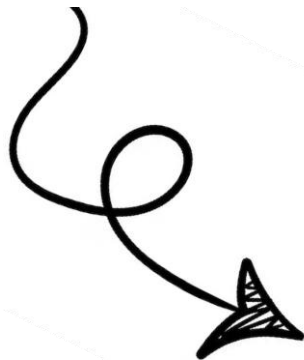>
> *2.4 Standard 4 – Technology*

CONCLUSION: A JOURNEY TO ADOPTION

TIN CAN
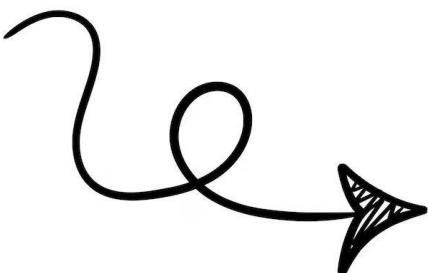
INDIVIDUAL CUSTOMS (incl. top ones) ADOPTION

NEW STANDARDS SETTING THE DIRECTION

SECURE TRADE LANES ENABLING AEO PROGRAMMS?

LEARN MORE

Cédric Rosemont,
President of the
Smart Container
Alliance

SMART CONTAINERS:
A SOLUTION TO FIGHT
COCAINE TRAFFICKING
IN THE MARITIME
SUPPLY CHAIN

WHITE PAPER

JUNE **2025** - *Updated version*

HTTPS://SMARTCONTAINERALLIANCE.ORG

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