





### **BLOODHOUND TRACKING DEVICE**

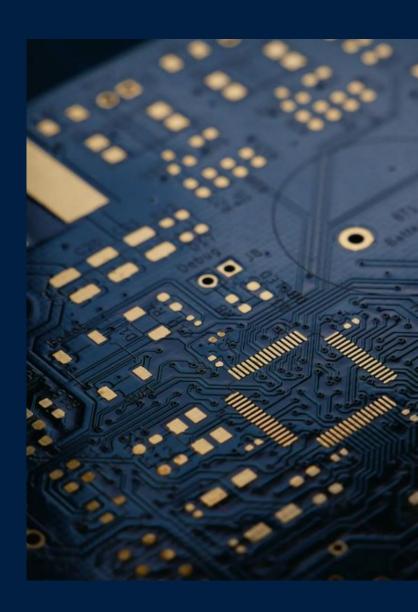
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### So what's the solution?

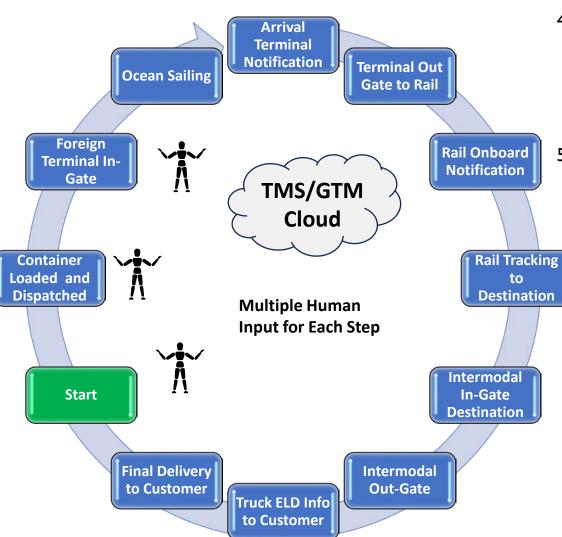
Current Track and Trace or GPS only devices are NOT ENOUGH!!



# CURRENT TMS/GTMS SYSTEM FOR TRACK AND TRACE

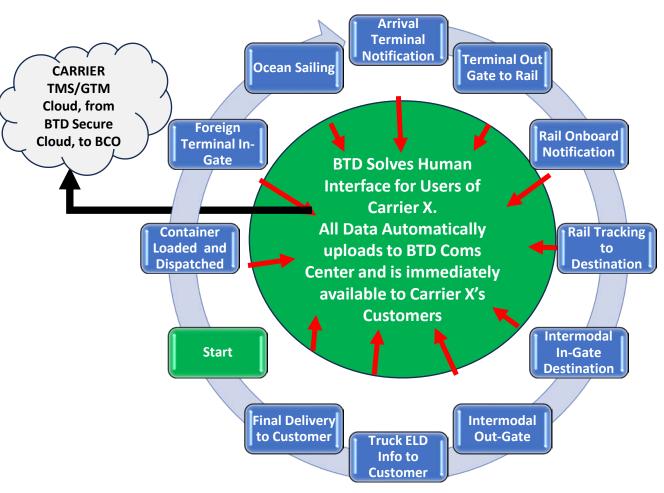
#### **CURRENT PROBLEMS:**

- 1. The "input" for all track and trace (T&T) systems today relies on human input, scouring the internet for "clues" as to the whereabouts and other methods (bots, etc.)
- This process is error prone, leaves YOUR CARGO location and "health status" to unknown people.
- 3. On many of the nodes in the Global Supply Chain, there are multiple inputs on multiple days for the same deliver!



- 4. Some steps are missed altogether, especially in foreign countries and the chain of custody is marred.
  - . By removing the human input, using the BTD Device that sits inside the container and has patented communications protocols to get that information OUT, the Logistics Executive will know exactly where the box is, what the status is of the cargo inside, creating Actionable Intel for the user.

# TMS/GTM SYSTEM WITH THE BTD SYSTEM SOLUTION



- NO human input at all.
- Real Time status updates.
- Useable all over the world.
- Exact status updates.
- Actionable Intel available 24/7 on each box.
- Event notification direct to the user's hand-held phone or pad.



# So how does BTD stack up to the competition?



# Competing Tracker Specs Matrix

	Matrix of Competing Trackers																
						Tracking Options				Sensors/"Sniffing"		Other Sensors or Alerts				Other	Attributes
Cargo Tracker Products	Cap Ex	Monthly Fee	Permanently Installed	Installed on Inside or Outside	Battery Life		Satcom			Chemical	Human	Door Open- Light	Sound		Movement or		Sensor Package
Bloodhound (BTD)	\$0	\$20	Yes (& mobile)	inside	3-5 Years	1	V	1	1	V	1	1	1	V	<b>V</b>	$\sqrt{}$	V
Blackberry Radar	\$265	\$10	Yes	outside	5 Years	<b>V</b>	no	no	no	?	?	?	?	1	<b>V</b>	no	no
Arrrow Spot	\$289	\$0	Yes	outside	8 Years	<b>V</b>	√	<b>√</b>	no	?	?	no	no	V	<b>V</b>	no	no
hoopoSense Solar	\$150	\$4	?	?	10 Years	√	no	1	no	?	?	?	?	?	√	√	?
Global Trackers CyberSpy TT1	\$79	\$6	No	outside	1 Year (in sleep mode only)	1	no	no	no	?	?	?	?	?	?	no	no
Orbcomm ST-6100	\$705	\$0	Yes	outside	No internal battery	<b>V</b>	<b>V</b>	1	no	no	no	?	?	V	<b>V</b>	no	no
Traxens Box	\$260	\$9	No	outside	4-6 Years	$\sqrt{}$	no	1	no	no	no	?	?	$\sqrt{}$	<b>V</b>	no	no
Next4 N402	\$104	\$5.20 - \$8.32	Yes	outside	2 Years	√	no	no	no	no	no	?	?	<b>V</b>	√	no	no
LandAirSea 54	\$99	\$20-\$50	No	outside	Up to 6 Months	√	no	no	no	no	no	no	no	$\sqrt{}$	no	no	no
Sony Visilion	?	?	?	outside	2 Years	$\sqrt{}$	no	1	no	no	?	$\sqrt{}$	no	$\sqrt{}$	√	√	?
Nexxiot Crossmodal	?	?	?	outside	?	$\sqrt{}$	?	1	no	?	no	?	?	?	?	$\sqrt{}$	?
i														RICODHOUND			

TRACKING DEVICE, INC.

## Why do I need it?

Accuracy

BCO's are tired of current TMS/GTM or Carrier notifications that are NOT ACCURATE! BTD gives you automatic, global, redundant communications of accuracy and timeliness so you can make actionable decisions.

Security

Always know WHO and WHAT is in your box. Get access to location, camera location, camera footage, chemical detection, and so on. Automatically Automatically Detect breaches in security the minute they happen!

Detention-Demurrage Theft reduction, contraband reduction, and "black-hole dwell time" shall be a thing of the past with the BTD. BTD accurately reports dwell, so no uncertainty on demurrage or detention!

## Why do I need it?

Location

Know exactly where your boxes are, anywhere in the world, at any time. You don't have to depend on human input or the Carrier.

Cost

Only \$20/month\*, at commercial volumes for all CAPEX + Monitoring Services. The BCO can finally get accuracy in the supply chain from Load to Unload + Security of the load throughout transit.

Green Lane?

BTD has engaged with Customs (CBP) to review the demo models to consider zero inspections for shippers/importers that use a device like Bloodhound. A TRUE GREEN LANE!

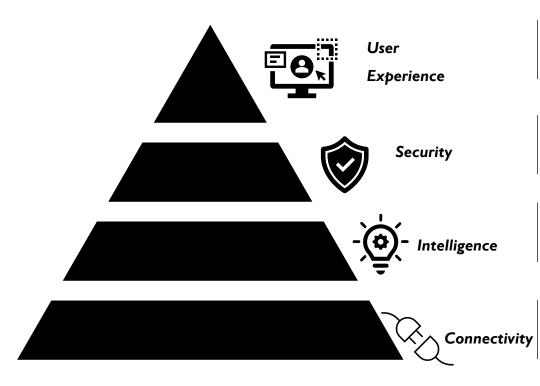
### How does it work?

BTD uses Cell, GPS, Satellite, and our patented <u>Disruption Tolerant Mesh</u>

<u>Network</u> to provide world class, assured global communications, anywhere in the world, under any conditions!



# The BTD Platform



Powerful front-end features via configurable UI/UX components

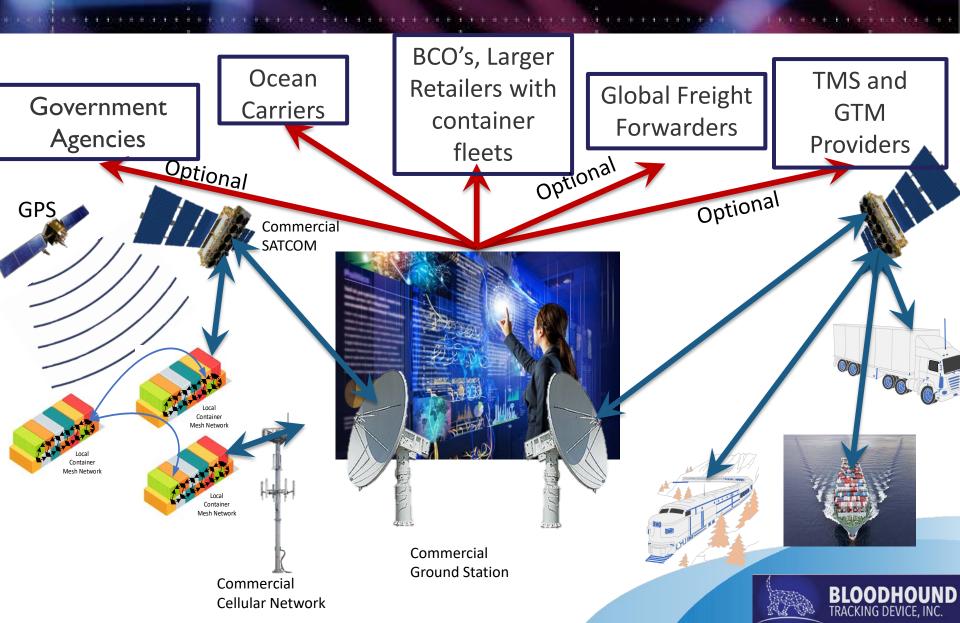
All in one security features that ensure your containers cargo is safe and secure

Extract powerful information from your container trips

Uninterrupted global connection 100% of the time



# ARCHITECTURE, COMMUNICATIONS AND OPERATIONS



### **Communication Unit (Outside Container)**

- Low power usage (2 year battery life, no service required)
- Manufactured specifically for Maritime Environments 100% USA parts
- Real-Time & Ad-Hoc Global Communication
  - Disruption Tolerant Networking (DTN)
  - Ad-Hoc Mesh Network, Neighbor Detection/ID
  - LPI/LPD Secured Communications
- Event Trigger & Near Real-Time Alerting
  - All sensors inside container communicate with external comms unit
- Concealed
  - Exact same footprint as a standard ocean container vent
  - Unidentifiable by an expert from a distance of 5 feet



### Instrumentation Unit (Inside Container)

- Container Monitoring and Detection
  - Geolocation
  - Chemical detection & identification
  - Environmental conditions (temperature, pressure, humidity, shock and vibration)
  - Door open/close detection
  - Internal infrared & camera functionality
  - Detection of signs of life



### Device Installation

#### **INSTALL ONLY OCCURS ON EMPTIES**

- A (IU) & B (CU) mounted to container via high strength magnets- easy on, easy off No danger to Installer. No assessment or testing by Installer

#### 10 Minutes to install

- Auto start, Auto ping to system,Lights indicate on and ready.

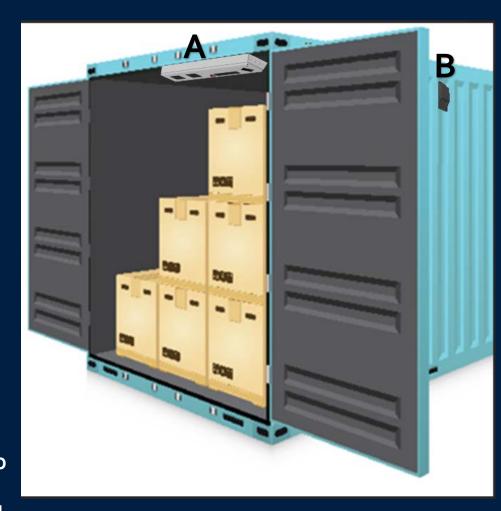
#### 5 Minutes to change out Battery

- Old Battery displays red light
  New battery displays green light.

No requirement for any interface except taking the pic of the unit and container

Installer takes Pic on Phone/App of Container number + Unit to "initiate" unit to ON

Installer gets "auto pay" when unit goes ON

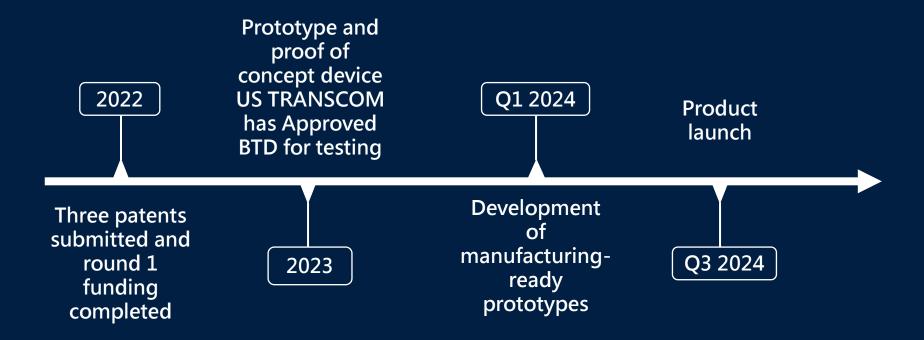


### User Interface

- Powerful front-end features via configurable UI/UX components
- Notification of any event trigger with time, location, and sensor event
- Customized reports (Dwell times, Travel history, and Security events)
- Multiple container tracking, reporting, and search capabilities
- Plug and Play security features that ensure your containers cargo is safe and secure
- Custom alerts and thresholds for different scenarios that only you have access to



### Go to Market Plan



### Management Team



Curtis Spencer (CEO) of IMS Worldwide, is a 47-year veteran of Logistics and US Customs consulting. IMSW's largest clients are the Top 100 Importers, Carriers and Railroads. Curtis served on COAC for 4 years after 9/11.



Jason Soloff (CTO) is the Chief Engineer on the project and is an Ex-NASA engineer who helped pioneer space-based communications using DTN and other communications protocols he helped invent for NASA.



Steve Schellenburg (CSCO) is a Top Logistics consultant and supply chain creator with over 50 years experience. Steve's work with CTPAT and Operation Safe Commerce helped shape our Secure Supply Chains.



William Anderson (CGO) is an Ex Special Operator with 45 years of DoD/IC experience. DoD has expressed interest at several layers for the BTD System.

