



# **BLOODHOUND**

## TRACKING DEVICE, INC.

***The world's first supply chain visibility tool with low-cost, long battery life, 100% communications under any circumstances, track and trace, sniff and identify device.***

# BLOODHOUND TRACKING DEVICE (BTD)

## WHAT IS IT? WHAT DOES IT DO?

### THE NEW STANDARD IN TRACK & TRACE TECHNOLOGY

- The BTD is a non-parasitic, non-interfering system; commonly referred to as a “Trailer security device” or “black box.” BTD, at a minimum, provides worldwide, on-demand, precise location and status of your trailer/van and any other trailer/conveyances. BTD uses Cell/Page, GPS and our patented Disruptive Tolerant Mesh Networks to provide world class, 100% communications under any circumstances. **GPS is not enough anymore! BTD has 3 redundant comms!**
- AND..... BTD is a security device/system equipped to detect and report changes in the environment, including temperature, humidity, door open/close with camera, internal noise levels, human presence, and VOC (volatile organic compounds) presence, by using a combination of cutting-edge but proven off-the-shelf sensors, air sniffers, and event triggers.
- Fully configured, the BTD is capable of detection and identification of hazardous chemicals and radiation within the van Power for the BTD is organic/self-contained and requires no scheduled maintenance for 2+ years. The BTD will lease for a very low cost/month in commercial volumes. **NO CAPEX REQUIRED.**

**\$15-30 BILLION**

The text "\$15-30 BILLION" is rendered in a bold, sans-serif font. The characters are filled with a white-to-gold gradient and feature a cutout effect, revealing a background image of stacked shipping containers in various colors (red, yellow, blue, and brown) under a bright, hazy sky. The entire graphic is set against a solid dark blue background.

**\$15-30 billion**

**Lost each year to cargo theft in the US alone**

**57%**

**Increase year over year in  
cargo theft**

**63**

**Cargo thefts on average per  
month**

**51%**

**Of all thefts centered in  
California, Texas, and Illinois**



# BLOODHOUND TRACKING DEVICE (BTD) WHY DO TRUCKING COMPANIES NEED IT?

1. For years, the level of trailer/van thefts, violent crimes against truckers and box utilization have plagued the largest and medium sized fleets.
2. ELDs and simple GPS units are not the answer! They don't tell the company or the trucker what the status of the van's security really is!! And if it's cloudy, or if there is some problem with "seeing the sky", GPS simply doesn't work.
3. With BTD's 3-way redundant communications suite, BTD never gets out of site of the sky and provides 100% tracking of your vans!
4. With the internal mounting of the units, plus the full sensor suite, a Fleet can mitigate human smuggling, theft, vandalism, contraband and a host of other security information on the VAN, not just the tractor.
5. **Plus, our sales/leasing formula allows for fleets to install units with NO CAP EX, and only a modest monthly lease/monitoring fee.**

# Cargo Theft – Security is Woefully Inadequate



- Freight thefts increased by **59%** in the 3Q 2023 over the same period last year across the US and Canada.
- 692 freight thefts occurred, totaling over \$31.1 million in shipments
- Most are shipment “misdirection attacks.” These strategic cargo theft events increased 430% year-over-year.
- This kind of theft is the result of bad paperwork looking “official”, but with no Track and Trace on the Trailers, (ELD on the cab -- but won't help) the thieves take off with **YOUR GOODS** in an untracked trailer.



# Trailer Utilization... We need Accuracy!



- “Trucking companies don’t realize how badly they underutilize their trailers,” Roy added, noting that lack of visibility is the primary culprit. (Freight Waves, OIG)
- In 2019, only about 24% of the nation’s trailer fleet was equipped with trailer tracking, Roy said, citing American Trucking Associations numbers.
- “At least 20% of their fleet is not being utilized.”
- The Postal Service has approximately 9,500 leased trailers. OIG’s analysis found that during the audit period, 13.9% (1,076 of 7,746) of leased trailers, on average, were not used monthly.



# Competing Tracker Specs Matrix

Matrix of Competing Trackers

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





# CONTAINER INSTRUMENT UNIT



## CAPABILITIES:

- Extremely Low Power (2 year, no-service required)
- Ruggedized for Maritime and Trucking Environments
- Container Monitoring and Detection
  - Radiologic Detection / Identification
  - Chemical Detection / Identification
  - Geolocation
  - Environmental Condition (Temperature, Pressure, Humidity, Shock and Vibration)
  - Open/Close Detection
  - Container Internal IR & Visible Imagery
  - Life Sign Detection
- Real-Time & Ad-Hoc Global Communication
  - Delay/Disruption Tolerant Networking (DTN)
  - Ad-Hoc Mesh Network, Neighbor Detection / ID
  - Non-Hackable Communications
- Event Trigger & Real-Time Alerting
  - Geofencing
  - Environmental / Sensor Detection

# BENEFITS TO TRUCK FLEETS



- Know exactly where your Trailer/ Van is, from stuffing/consolidation to final destination.
- Bloodhound has engaged with Customs (CBP) to review the demo models to consider zero inspections for shippers/importers that use a device like Bloodhound on Northern and Southern Border!
- **A TRUE GREEN LANE? CPB is earnestly considering with BTD!**
- Exact location, security feed and status updates for trucking firms to have the ability to handle ALL requests for status, location, security integrity, Customs involvement, etc. on the boxes they control because they will have the most accurate and timely details on their phone app! BTD allows a feed for shippers to get direct inquiry access to the data as well.

# BENEFITS TO SHIPPERS/BCOs AND TMS/GTM PROVIDERS



1. **Know exactly where your boxes are; anywhere in the world, at any time. Know if your box has been compromised, or is holding hazardous/dangerous goods loaded by others, not the shipper.**
2. **Better route management of your merchandise.** Every BCO using a BTM equipped carrier will know precisely where the box is, and be able to manage re-routes, alternative pickup/drop-off details for accurate supply chain management.
3. **Theft reduction, contraband reduction, and “black-hole dwell time” shall be a thing of the past with the BTM.**
4. **BTM will impact the BCO’s ESG rating by providing accurate dwell time and custody transfers.**



# BLOODHOUND TRACKING DEVICE: DEVICE INSTALLATION

## INSTALLATION

**BTD is a 2-pack device;**

- Sensors, Coms and Battery Pack (A)
- Outside Com Unit (C) (flat pack, 1-inch thick on roof with small solar array)

**INSTALL ONLY OCCURS ON EMPTIES.**

- A located on inside roof, out of harms way.
- Uses high-strength magnets and a slot box holder for securing units.
- No danger to Installer. No assessment or testing by Installer.
- Totally transferrable to different vans within fleets.

**7 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 Trailer #  
Installer takes Pic on Phone/App of Trailer number + Unit to initiate unit to ON.  
Installer gets auto pay when unit goes ON.**







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TRACKING DEVICE, INC.



farSight  
technologies

## ***Questions:***

**Title: Curtis Spencer, CEO**

**Email: [curtis.spencer@btdtracker.com](mailto:curtis.spencer@btdtracker.com)**

**Phone: 281-332-1795**

**Go to [www.btdtracker.com](http://www.btdtracker.com) for more info!**

More technical data of how DTN works is available after NDA