



Liberty Defense

TSXV:SCAN | OTCQB:LDDFF | Frankfurt:FSE:E30

September 2025

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NEXT GENERATION SECURITY DETECTION

Protecting communities and preserving peace of mind
through next generation security detection solutions

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INCIDENTS AND NEW THREATS AT ALL TIME HIGH



BROTHERS CHARGED AFTER SEIZURE OF HOMEMADE EXPLOSIVES, GHOST GUNS

- Eight operational improvised explosive devices (IEDs)
- Two loaded AR-15 style ghost gun assault weapons, each with a detachable magazine, muzzle compensator and threaded barrel
- Two loaded 9 mm semiautomatic ghost gun pistols
- Two loaded 9 mm semiautomatic 3D printed ghost gun pistols
- One partially constructed AK-47 style ghost gun
- Over 600 rounds of ammunition
- One 3D printer
- Three sets of body armor
- 29 high-capacity ammunition feeding devices, 13 of which were personally manufactured utilizing a 3D printer
- Tools to assemble ghost guns
- A radio set to the frequency of the 114th Precinct in Astoria
- Numerous notebooks containing instructions on the manufacture of explosive devices and anarchist related propaganda

future tense

3D-Printed Guns Are Getting More Capable and Accessible

Ghost gun use in U.S. crimes has risen more than 1,000% since 2017, federal report says

silive.com

Alleged inner workings of ghost gun business on Staten Island revealed; Four men detained by feds

WSJ

Criminal Gangs Exploit Security Gaps to Infiltrate Airports

CNN

UnitedHealthcare CEO shooting reveals dangers of 'ghost guns'

THE THREATS OF TODAY AND TOMORROW



An urgent need exists to advance weapon detection security to protect against emerging risks

CURRENT CLIMATE

- The **security screening market** is valued at US \$11.72B in 2024 and is projected to reach US \$25.70B by 2034.
- Terrorism and geopolitical tensions among several countries are on the rise
- There have been more than 420 mass shootings in the US so far this year.

EMERGING RISKS

3-D printed weapons

Advancements in 3D printing technology have given terrorists the ability to print functioning weapons including guns and knives from plastics & nonmetal composites.

- These weapons are undetectable by conventional metal detectors.

FUTURE NEEDS

Evolving detection

To protect ourselves and our communities, security technology needs to advance to match and surpass the development of weapons technology.

It needs to be fast, adaptable, and noninvasive..



Enter Liberty Defense . . .

OUR SOLUTIONS



Introducing our proprietary, non-invasive weapons detection technology

- **Developing flagship HEXWAVE™** people scanner and shoe screener uses AI to distinguish between harmless objects and potential threats
- **Disruptive AI technology** under exclusive license provides touchless, non-intrusive scanning within seconds.
- **Proprietary design** fueled by Millimeter Wave, is mobile offering flexibility in uses, ideal for airport security, and commercial applications.

HEXWAVE



HD-AIT Upgrade



Liberty achieves major milestone delivering HD-AIT Kit to TSA

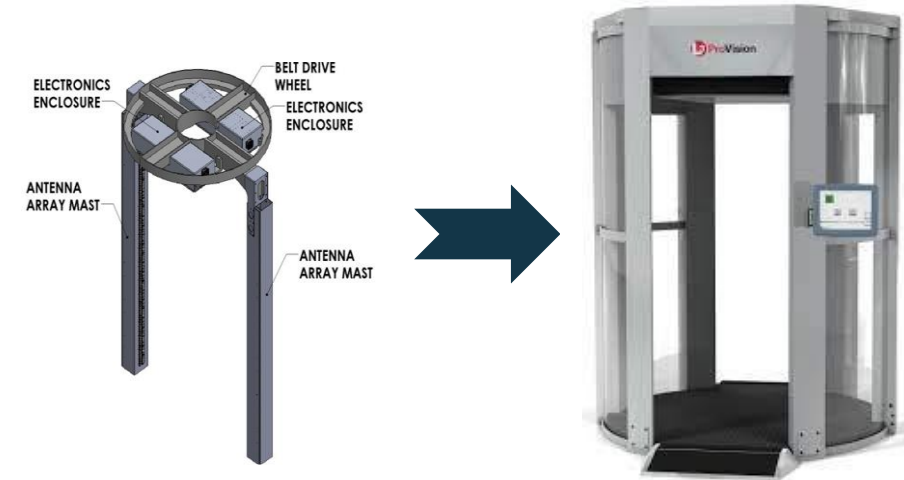
TSA UPGRADE KIT TECHNOLOGY



Our TSA Upgrade kit was developed as a solution to aging HD-AIT systems currently in use in airports throughout North America and around the globe.

Our HD-AIT Upgrade kits provide:

- ✓ Improved imaging capability to detect new and emerging threats
- ✓ Inexpensive replacement alternatives



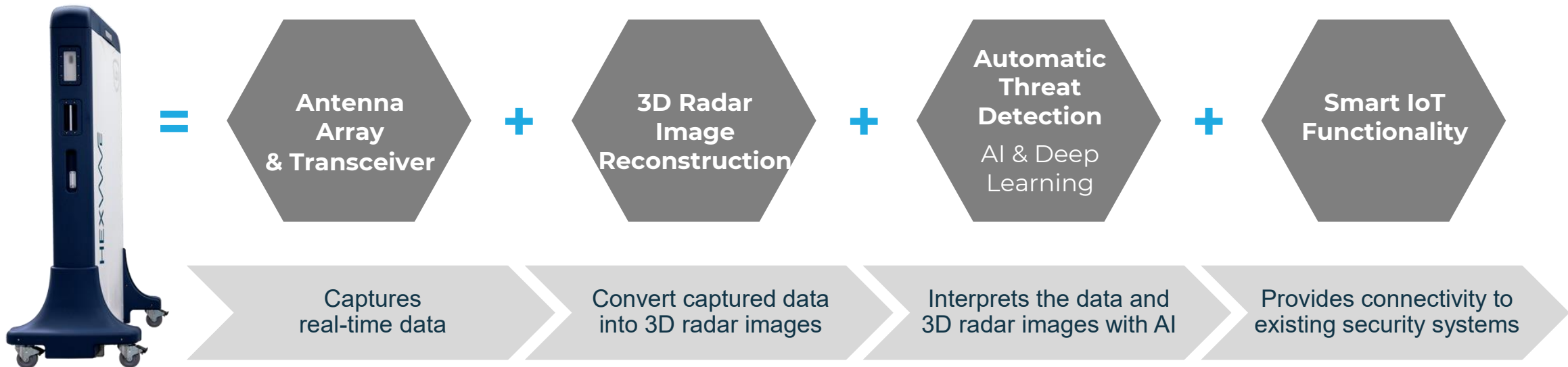
KEY FEATURES

➤ Open Architecture Platform

- TSA identified “best in class” partners for optimal performance
- Meets new detection standards issued by Homeland Security

HEXWAVE TECHNOLOGY

FCC Equipment Certification Approval
for indoor/outdoor use



EMIT



Low power signal
is transmitted to reflect
off the individual

CAPTURE



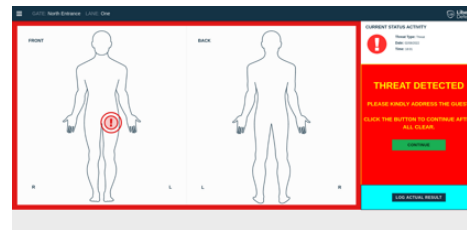
Each standalone unit
captures **reflected signals**

RICH DATA



~400,000 datapoints
create a **3D image**

INTERPRET



Artificial intelligence
models interpret rich data and
provide go/no-go decisions

ACTION



Smart IoT functionality allows
notification & interaction with
existing infrastructure

MARKET VALIDATION

A multibillion-dollar opportunity exists in the North America Physical Security Market



SECURITY SCREENING MARKET



MARKET GROWTH PROJECTIONS

CAGR
8.2%

The security screening market is valued at \$11.72B in 2024 and is projected to reach US\$25.7B by 2034. The demand for security screening is likely to exhibit a CAGR of 8.2% during the forecast period.

KEY MARKET DRIVERS

- Continuous innovation in security screening technologies, including AI and machine learning
- Increasing awareness of health and safety, particularly in response to global pandemics
- Escalating threats of corporate espionage and insider risks push
- The rise in criminal activities and illicit trade necessitates comprehensive security screening measures to safeguard against potential threats
- Growing concerns about the protection of critical infrastructure, such as power plants and government facilities
- Growing adherence to stringent government regulations and international security standards

DEMAND DRIVERS

2024 TSA Employee Screening Mandate

The TSA has issued a mandate requiring screening of 100% of airport employees to be put in place by April 2026.

MARKET OPPORTUNITIES

- **Aviation** – Employee screening with TSA mandate
- **Correctional Facilities/Prisons** – Screening for non-metallics including weapons, drugs, money, cigarettes, contraband
- **Distribution Centers** – Theft Prevention
- **Critical Infrastructure**
- **Government Facilities** – Screening for all threats, phones, recording devices
- **Hospitals** – all threats
- **Schools** – guns/knives
- **Sports & Entertainment Venues** – all threats

AVIATION WORKER SCREENING

Insider threat poses a real risk with the potential for employees to exploit secure access and insider knowledge to smuggle contraband and weapons.

- TSA mandates call for planning and rapid adoption of next generation, open architecture technology
- HEXWAVE’s portability allows for use at multiple entrances to push the security perimeter out
- HEXWAVE satisfies the security requirements with its easily deployed explosive detection capability

MARKET OUTLOOK

Airport Category	# of Airports	Average Operating Time (Hours/Week)	Average # of Screening Systems/Airport	Total Minimum # of Screening Systems
X	27	160	7.7	208
I	57	75-90	3.8	217
II	89	36-50	1	89
				514

\$50M OPPORTUNITY



Manchester Airport



Rochester Airport

COMPETITIVE LANDSCAPE



HEXWAVE System's features provide the most versatile detection solution on the market

Comparables	Liberty HEXWAVE	Traditional Metal Detectors	Leidos ProVision	Evolv	Xtract Smart Gateway	ThruVision	Rohde & Schwarz
Metallic Threats	✓	✓	✓	✓	✓	✓	✓
Non-Metallic Threats	✓	✗	✓	✗	✗	✓	✓
Throughput (people/hr)	700/hr	300/hr	150/hr	Up to 4,000/hr	500-2,400/hr	1,800/hr	400/hr
Cost*	\$\$	\$	\$\$\$	\$\$	\$\$	\$\$\$	\$\$
Solid Explosives	✓	⚡	✓	⚡	✗	✓	✓
Outdoor Use	✓	⚡	✗	✓	✓	✓	✓
Mobile	✓	✗	✗	✓	✓	✓	✗
A TD Algorithms (AI)	✓	✗	✓	✓	✓	✗	✓
3D Imaging for ATD	✓	✗	✓	✗	✗	✗	✓

- ✓ Feature
- ⚡ Limited
- ✗ Non-Feature

MMW – Millimeter-Wave
ATD – Automatic Threat Detection

*cost per screened individual after accounting for personnel costs

BUSINESS UPDATE



Customer Adoption – Growing Interest – Societal Need

- ▶ **Installed HD-AIT Upgrade Kit at TSL in August. Significant Milestone with data collection and testing next steps.**
- ▶ **Recent Contracts and Deliveries**
 - Point Security/Birmingham (3)
 - Palm Springs Airport (1)
 - Nevada Courthouse (1)
 - Chile Juvenile Court (1)
 - MIT LL Program for Mass Transit (Integration)
 - Active Aviation Worker Screening quotes to several US airports to meet the April 2026 deadline.
 - Several major demonstrations conducted in the last 30 days across multiple verticals (Gov't Agencies, Corrections, Loss Prevention)

HEXWAVE Customer Installations

- Los Alamos National Labs
- Greater Toronto Airport Authority
- Manchester Airport
- Rochester Airport
- Malaysia
- MIT Lincoln Labs
- TSA
- Netherlands – GRASP Technologies
- Chile (Correctional Facility)
- Fairbanks Alaska Int'l Airport
- Palm Springs Airport



Transportation
Security
Administration



INDUSTRY PARTNERSHIPS



TSA is investing in Liberty Defense for enhanced detection performance



Transportation
Security
Administration

US\$6M
Grants to date

Liberty Defense has partnered with security industry leaders including Isotec Security, Viken Detection, Rapiscan, Point Security, Linev Systems US, Access Control Systems and Grasp-Innovations Netherlands



KPRIME TECHNOLOGIES
Enhancing Customer Experiences



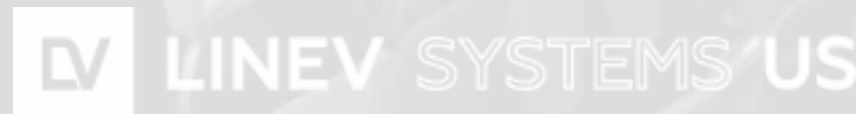
MIT and Pacific Northwest National Labs chose Liberty to commercialize the technology



VIKEN
DETECTION

Access Control
Systems, Inc.

Rapiscan
systems
An OSI Systems Company

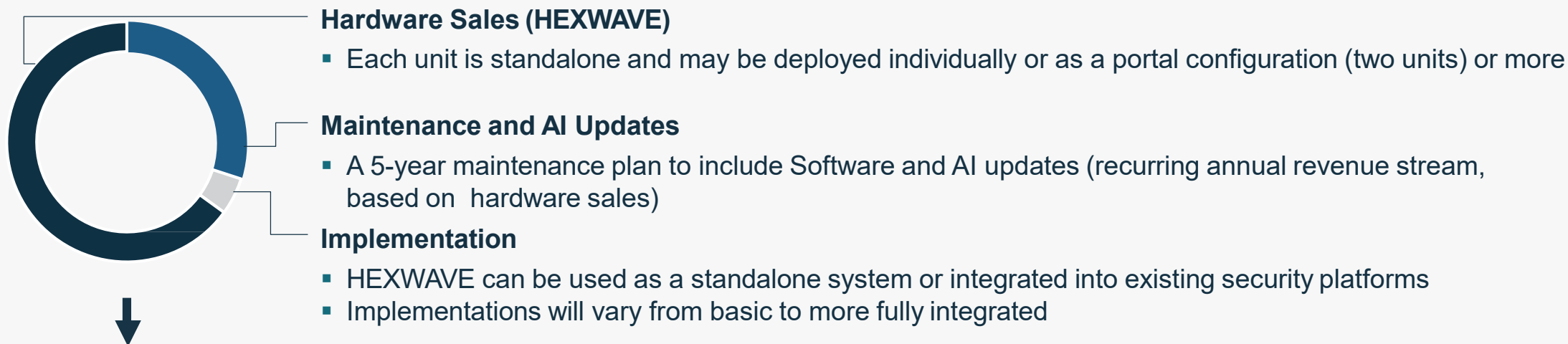


LIBERTY DEFENSE BUSINESS MODEL



- Liberty aims to improve the customer experience and safeguard clients, customers, employees, students, and property
- Customers have the potential to capture additional revenues through either increased throughput or in-venue sales

REVENUE STREAMS



MARGINS

- High product gross margins after 2024
- Volume, technology curve, and value engineering will further enhance margins

MARKET

- Initial focus will be on US and Canada but there is an international need
- Key partners in place combined with direct sales
- Amsource Capital engaged to facilitate large and small ticket leasing and financing of HEXWAVE

MANAGEMENT & DEVELOPMENT TEAM



Leaders in the security industry, product development, technology and manufacturing

TEAM

- Led by a **seasoned leadership team** in **security & product development, management, and corporate finance**
- Supported by Board of Directors and advisors who provide **unparalleled market access**

OUR EXPERIENCE



BILL FRAIN
CEO

Former SVP of L3 (LHX-NYSE)



BRYAN CUNNINGHAM
President

Lawyer, security expert, former CIA officer, and tech executive



JEFFREY GORDON
VP Engineering

Engineering leader with 35+ years experience in product development



OMAR GARCIA
CFO

Public Company Finance Executive with 15+ years experience



JAY ADELAAR
SVP Capital Markets

Marketing and Capital Markets Executive with 15 years experience

BOARD OF DIRECTORS



JASON BURINESCU
Executive Chairman

Senior operating executive and Managing Partner of Vision Equity Partner Solutions



BILL FRAIN
CEO/ Director

Former SVP of L3 (LHX-NYSE)



LINDA JACKSTA
Independent Director

Customs & Border Protection Executive with 35 years experience



ARJUN GREWAL
Independent Director

President One9 and 19-year Veteran of the Canadian Armed Forces.

WHY LIBERTY DEFENSE



- ▶ Strong **Leadership Team** with security industry experience and hands on knowledge
 - Designed and Deployed over \$5B worth of security technology globally
- ▶ **HEXWAVE** deployed in airports, correctional facilities, universities, courthouses, national laboratories and more to come.
- ▶ Delivered **HD-AIT** upgrade kit to TSA in August...Potential \$100M market opportunity
- ▶ **Security Market of \$11B** and shifting to more comprehensive detection (i.e. Ghost Guns)
- ▶ Next generation technology (Security is paramount)
 - MMW is a proven technology and **Artificial Intelligence** (AI) enhances performance
- ▶ MIT and Pacific Northwest National Labs chose Liberty to commercialize the technology
- ▶ **TSA investing in Liberty** for enhanced detection performance - \$6M Sole Source
- ▶ Trust from a distributor network: Point Security, Isotec Security, Access Control Systems, Linev System US, K2 Security
- ▶ Engineered & Manufactured in USA

CAPITALIZATION STRUCTURE (Sept 2025)



OTCQB:LDDFF; TSXV: **SCAN**; FSE:E30

Market Cap @ US\$0.20	US\$14.4M
Shares Outstanding	71,984,222
Warrants Outstanding	28,741,390
Options	5,638,500
RSU's	332,225



Together we can build a safer future

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