



Next Generation Security Screening Solutions

Corporate Presentation

June 2025



Overview

Arion Defense is a premier supplier of next-generation security screening solutions.

The Company's flagship product, the **Footwear Screening Platform ("FSP")** is a modular, open-architecture, high-resolution system designed for **automated detection of concealed threats in footwear.**

Arion Defense is deploying the FSP in airports in 2026, with plans to expand to new verticals including:

- Mass Transit Hubs
- Critical Infrastructure (municipal and industrial – i.e. nuclear power plants)
- Border Control
- Campuses
- Data Centres

Key Investment Highlights



Disruptive Footwear Screening Technology

- Detects metallic and non-metallic threats, including 3D-printed weapons, with no need for shoe removal.
- Faster, more accurate, and less invasive than current TSA and airport protocols.



Open Architecture Platform; Strong IP Position

- Built to integrate with 3rd party software, biometric ID systems, access control, and national security standards (e.g. DICOS, OPSL).
- Exclusive license to patents from Pacific Northwest National Laboratory (PNNL), one of the U.S.'s leading government R&D labs.



Total Addressable Market (TAM) of USD\$400B+

- Initial TAM in aviation security alone is projected at \$25B+ by 2030.
- Modular design unlocks expansion into multiple additional sectors — growing the potential TAM to USD\$400B+ across sectors.



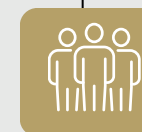
Strong Regulatory and Commercial Tailwinds

- Under evaluation by the TSA, with first U.S. airport deployments expected in 2026 (initial rollout: ~1,200 units).
- Aligned with upcoming mandatory footwear screening regulations in both the U.S. and European Union.



Recurring Revenue Model

- Revenue streams include:
 - Hardware sales
 - Software licensing & threat detection algorithms
 - Maintenance & analytics-as-a-service
- SaaS-like model provides long-term monetization beyond initial deployment.

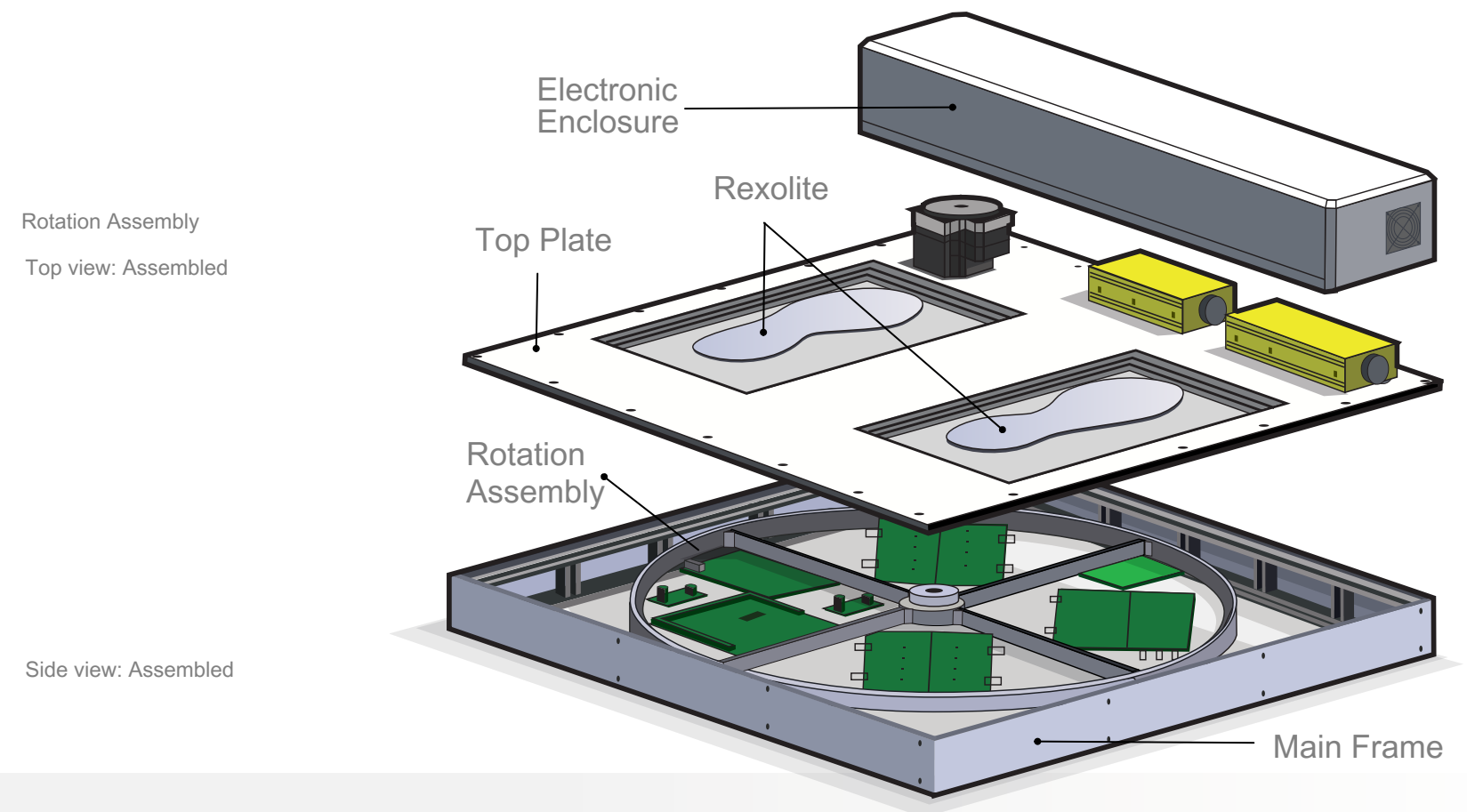


Strong Management & Advisory Team

- Founder responsible for building multiple successful companies in the security sector.
- Executive team / advisory board originating from Fortune 100 / Fortune 500 companies, investment banking firms, and high-level national security organizations.

“FSP”: Advanced, Adaptable Security Screening Platform Built for Modern Threat Environments

Based upon original prototype designs by Pacific Northwest National Laboratory (PNNL) and adapted for use in airports, the FSP's adaptability, system interoperability, and proven detection capability make it ideal for deployment across all critical infrastructure where **high-throughput, low-friction screening is essential.**



Depth-slice images generated from a single scan



Shoe Treads (shoelace visible on left-side shoe)



Metal F-targets concealed in each shoe (above the insole)

The Problem:

Legacy Threat-Detection Systems Have Become Outdated



FAILURE TO DETECT NEW THREATS

Current metal detectors and body scanners fail to detect non-metallic and 3D-printed threats

INCREASED FOOT TRAFFIC

Increasing foot traffic at airports and public spaces: security bottlenecks, staff shortages, higher expenditures



INCREASED THREATS

Rising security threats in high-traffic and critical infrastructure locations



SLOW PROCESS

Shoe removal processes cause delays and inefficiency



Our Solutions:

What Makes the FSP Superior?



EMERGING THREAT-READY

Unlike legacy scanners, the FSP also detects 3D-printed and non-metallic weapons

SAFE, AUTOMATED DETECTION

Reduces staffing needs; detection powered by proprietary millimeter wave and AI-enhanced image analysis



NON-INVASIVE & HIGH FIDELITY

3D-rendered images isolate anomalies within footwear without revealing anatomical foot detail

NO FOOTWEAR REMOVAL REQUIRED

Critical in high-traffic, high-security facilities seeking to improve flow





Future-Proof Security Screening

With security threats on the rise, the FSP provides a **critical upgrade to outdated metal detection-based systems**. Through an **open system software model**, facilities can:

- Customize their threat detection workflows
- Enhance data visualization for incident response
- Augment and connect with future systems
- Participate in shared threat intelligence ecosystems

Economic & Security Tailwinds Accelerating Demand – Now and in Future:

- Growing urban populations are driving increased passenger traffic (airports, subways, commuter hubs)
- Urgency to counteract new threats (3D-printed weapons, plastic explosives) that are outpacing legacy screening tech
- Regulatory pressure for **zero-trust physical environments**
- Workforce screening mandates (TSA, DHS, EU, and G7-aligned nations)

Open Architecture: The Key to Scalable, Future-Proof Security

Unlike closed, proprietary scanners, the FSP is built to integrate seamlessly into broader physical security ecosystems, making it far more attractive to enterprise buyers, public infrastructure operators, and national security agencies.

INTEGRATION CAPABILITIES:



Common GUI & Visualization Tools

WHAT IT DOES:

Supports custom user interfaces (GUIs) and standard data visualization tools.

WHY IT MATTERS:

Enables seamless operator training and easy adoption across existing security infrastructure.

BENEFIT:

Reduces retraining time, supports faster rollouts.



Enterprise Security Platforms

WHAT IT DOES:

FSP can share and receive data from platforms such as:

- Access control systems (e.g., HID, Lenel)
- Camera surveillance (e.g., Genetec, Avigilon)
- Biometric ID systems (e.g., facial recognition, fingerprint, retina scan)

WHY IT MATTERS:

Enables centralized command-and-control across complex environments like airports or corporate campuses.

BENEFIT:

Enhances situational awareness and automates incident response.



3rd Party Threat-Detection Algorithms

WHAT IT DOES:

Allows integration of new threat recognition modules and AI-based analytics.

WHY IT MATTERS:

Keeps the system adaptable to evolving threats such as 3D-printed weapons or synthetic materials.

BENEFIT:

Ensures the technology stays ahead of the threat curve without hardware replacement.



Government Protocols & Standards Compliance

SUPPORTS:

- DICOS (Digital Imaging and Communications in Security) — for TSA-compliant image transfer
- OPSSL (Open Platform Software Library) — TSA's framework for modular, interoperable security devices

WHY IT MATTERS:

Being compliant means FSP can plug into government-approved systems from Day 1.

BENEFIT:

Streamlines regulatory approval, opens direct procurement channels.

A Multi-Billion Dollar Opportunity Across Critical Infrastructure

While the **global airport security market** alone is projected to grow to **\$25.75B USD by 2030** (8.1% CAGR), the FSP's open architecture and modular design allow it to serve **multiple** high-growth **verticals**, expanding the potential addressable market by billions more.

Sector	2024 Market Size (USD)	2030–2033 Projection (USD)	CAGR	Key Insight	Source
Airports	\$17.43B	\$25.75B by 2030	8.12%	TSA & EU mandates now include shoe screening for all staff/passengers. Est. 2,900 systems across US & EU airports.	Mordor Intelligence
Mass Transit Security	\$41.9B (2023)	\$61.9B by 2032	4.4%	Urban rail & subway operators globally are investing in threat detection tech amid rising security concerns.	Research and Markets
Border Security	\$53.24B (2024)	\$95.65B by 2032	7.3%	North American & European governments increasing land/maritime port investment to counter trafficking & terrorism.	Fortune Business Insights
Critical Infrastructure Protection	\$148.1B (2024)	\$178.3B by 2029	3.8%	Includes power plants, chemical refineries, and nuclear facilities. High-security mandates often include physical screening.	MarketsandMarkets
Data Center Physical Security	\$13.8B (2024)	\$54.98B by 2031	16.6%	Data center protection spending growing >10% CAGR as cloud/AI adoption scales globally. Physical breach prevention a new priority.	Verified Market Research
School & Campus Security	\$3.00B (2024)	\$12.58B by 2032	19.6%	Includes security for tech campuses, hospitals, and universities—often soft targets requiring non-intrusive tech.	Market Research Future

Total Estimated TAM: USD \$400B+ across all verticals within the next decade

Revenue Streams & Commercialization Plan

HARDWARE SALES

Airports, government, and enterprise customers

SOFTWARE LICENSING

Algorithm upgrades, 3rd party modules

INTEGRATION SERVICES

Custom deployments for OEMs and white-label partners

RECURRING MAINTENANCE & CLOUD SERVICES

SaaS-like subscription for support, analytics, and updates

Platform Ready for Multi-Vertical Scale

Adaptable Footprint

FSP units can be installed seamlessly into existing turnstiles, entry gates, and checkpoint queues.

Hardware-agnostic Software

Open API enables use in white-label OEM applications or hybrid installations.

Recurring Revenue Potential

Software updates, security patches, algorithm upgrades—ideal for regulated industries with evolving compliance needs.

Competitive Moat

- Exclusive license terms to patents from PNNL
- No current competitor meets TSA/EU timelines or specs (for airport new security regulations)
- Open platform creates lock-in for security ecosystem partners, now and in future

Traction

- ✓ TSA integration under evaluation for 2026
- ✓ Discussions with EU regulators on mandatory shoe screening
- ✓ Targeting USD\$400B+ in cumulative market opportunity
- ✓ Creating and adding new patents, facilitating potential to enter into joint patents



Leadership Team

Paul Dadwal

CEO & Founder

- Former RCMP superintendent with 20+ years in law enforcement at the most senior level.
- Founder and financier of several public and private technology & security companies including Patriot One Technologies (now Xtract One Technologies Inc.) and Liberty Defense Holdings (TSXV: SCAN).
- Founder and CEO of Ari & Co. Capital, a New York venture capital firm, where he has raised over \$200 million for early-stage start-ups.

James J. Cahill

Executive Chairman

- 30+ years in investment banking and management consulting in New York City for private and public companies, from development stage to multi-national corporations.
- Founder of McKim & Company LLC, a financial advisory and management consulting firm.
- Former portfolio manager with TIAA-CREF managing a \$1.5 billion portfolio of investments.
- Previously worked in the investment banking division of Goldman, Sachs & Co.

Eric Kash

Board Member & Audit Chairman

- Executive Vice President and a member of the board at Callan JMB, working in all facets of the United States securities markets from retail and institutional equity sales to investment banking.
- Served as CEO and CFO for public companies and assisted companies in business development, corporate strategy and capital formation.
- Holds an MBA and CPA.

Peyton Jackson

Board Member

- 40-year veteran of the financial services and sales industry with expertise in brokerage, investment banking, marketing, sales management and training, corporate structure and investor relations.
- Professional affiliations with AG Edwards & Sons, Morgan Stanley and various small boutiques and family offices.
- Sophisticated understanding of executive requirements for publicly traded entities and private to public transitions.

Ross Carmel

US Securities Counsel

- Experienced securities attorney and partner of Sichenzia Ross Ference Carmel.
- Extensive experience representing public and private companies, start-ups, investments banks and investors in all aspects of corporate transactions.
- Named a 'super lawyer rising star' by Thomson Reuters for 2017, 2018, 2019, 2020 and 2021.

Tony Decicco

IP Counsel

- Tony Decicco is a lawyer focused on mergers and acquisitions, strategic development of patent portfolios, valuing and commercializing intellectual property assets, and licensing and other technology-related transactions.
- Tony's clients range from individual inventors to Fortune 100 companies and leaders the artificial intelligence practice at his firm.

Strategic Advisors

David M Sheen

Advisor

- Electrical engineer and former Program Manager for PNNL's Millimetre Wave Technology Development Program.
- Recipient of numerous awards related to screening innovation including the R&D 100 Award (2021) for the Shoe Scanner, FLC Award (2022) for Interagency Collaboration related to the HD-AIT body scanner, Laboratory Director's Award for Individual Lifetime Achievement (PNNL, 2023).
- MS and PhD in Electrical Engineering from MIT

Greg Swenson

Advisor

- 30-year Wall Street career including Lehman Brothers (fixed income sales and trading), and high-level positions at HSBC, Key Bank Capital Markets,
- Founder of Brigg Macadam in 2015, a London-based merchant bank.
- Mr. Swenson's relationships with senior government and business leaders span the UK, Middle East, and Africa enhancing his global influence.
- Established as a major player in the realms of finance and conservative advocacy.

Craig Peters

Advisor

- Vice chairman of CBRE, the world's largest commercial real estate service and investment firm.
- Recognized on multiple occasions as the San Fernando Valley Brokery of the Year and the prestigious Colbert Coldwell Circle, top brokers nationally. Mr. Peters became the Executive Vice President of CBRE in 2004.

Capitalization Structure

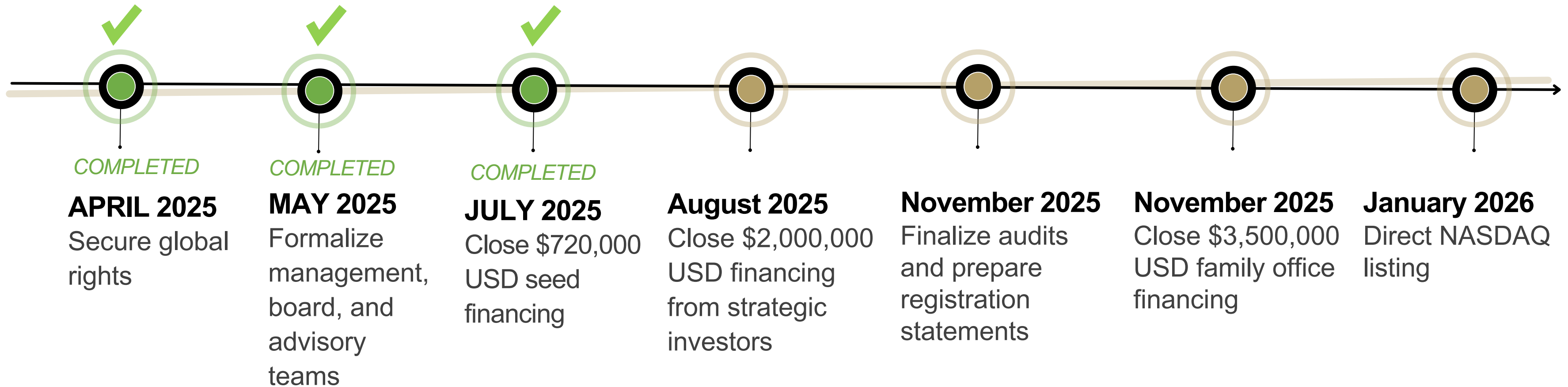
Corporate Structure	Shares
Founders' shares *	5,000,000
Seed financing of \$720,000 USD at \$0.71/share **	1,014,085
Private Placement of \$2,000,000 USD at \$1.50/share ***	1,333,333
Family office financing of \$3,500,000 USD converted into equity at a 20% discount of \$6.40/share upon Nasdaq listing ****	546,875
Total Shares Issued and Outstanding	7,894,293
Post Money Market Cap	USD \$63,154,344

Use of Proceeds	
Nasdaq Direct Listing	\$1,000,000
Development and Commercialization of Prototype	\$1,000,000
General and Administrative Expenses	\$4,220,000

- * Restricted shares
- ** 10% free trading shares, 90% restricted. 11 strategic investors
- *** 20% free trading shares, and 20% becoming free trading after every 3 months
- **** Free trading shares



Listing Timeline



Partnerships: Funding



Partnerships: Licensing & Deployment





Summary: Why Invest Now



AI-Driven Advantage

Provides a continuum of innovation

De-risked IP



De-risked IP and product

Regulatory Tailwinds

(TSA, EU mandates)



First-mover Advantage

First-mover advantage in high-priority screening category

Scalable Platform



Scalable platform across USD\$400B+ market

Near-term Revenue



Near-term revenue + long-term SaaS upside



THANK YOU

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