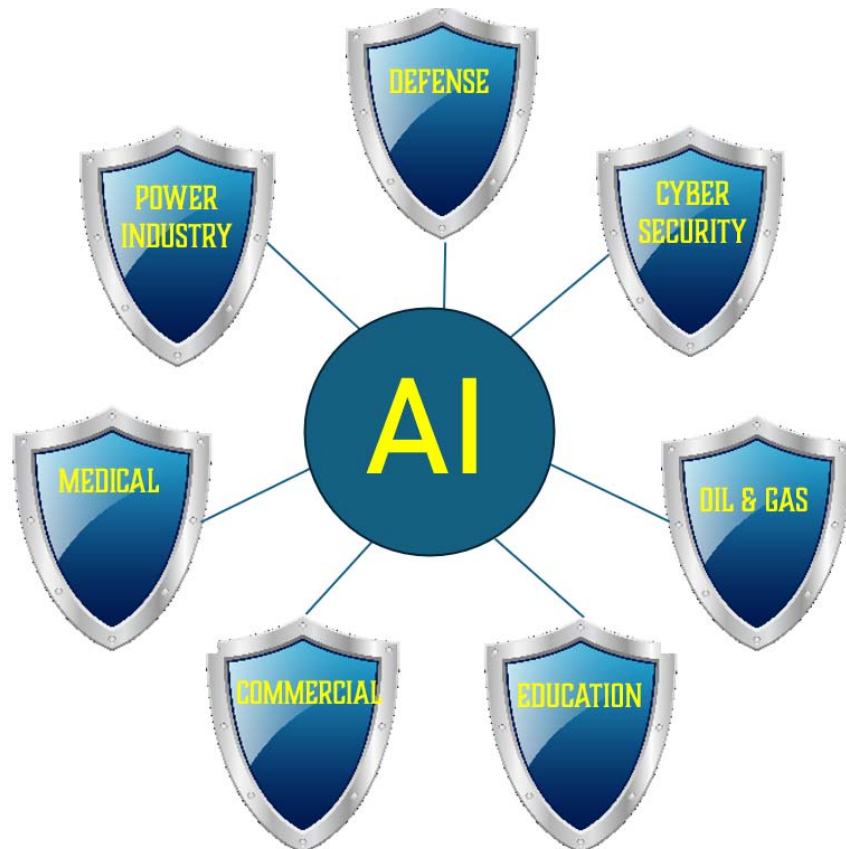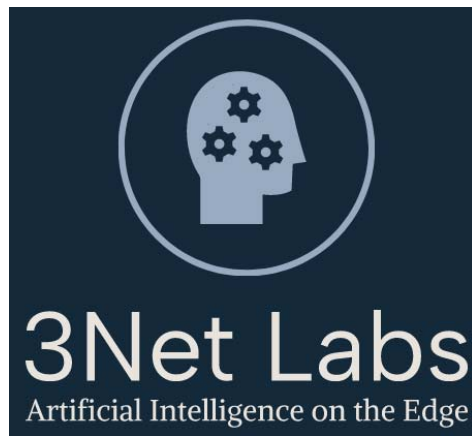# 3Net Labs
Artificial Intelligence on the Edge

PRODUCT BROCHURE
DECEMBER 2024

GET DISRUPTIVE INSIGHTS FROM DATA YOU ALREADY HAVE

Our world class Adaptive algorithm "ensembles" uncover actionable insights that get you to an outcome you care about. We uncover new answers derived from data that will unlock transformative insights that were previously undiscoverable. We enable state-of-the-art and state-of-practice thinking around data in any market vertical.

CREATE A FUTURE THAT IS DRIVEN BY OUTCOMES YOU DIDN'T KNOW EXISTED

We offer game-changing, adaptive ways for algorithms to be customized for specific needs. We allow you to apply Deep Learning and AI so you can get ahead of the volume of data and make intelligent decisions for your organization.

CYBER PROTECTION

Protect your network with our cyber family of products. The US intelligence community has used our products to protect their systems over the years. Our cyber products have been real world tested and work.

CLEAR AND PRESENT DANGER

Cybercrime is becoming one of humanity's biggest challenges. A recent study estimates that computer and Internet users face 80 billion malicious scans each day. There are over 33,000 phishing attacks and 4,000 ransomware attacks daily, with more than 780,000 records lost to hacking. Some estimate that by 2025, it could cost around $10.5 trillion to combat cybercrime.

At the same time, there is a shortage of skilled cyber-security professionals with the knowledge and experience needed to ensure that your organization is equipped to prevent or recover quickly from cyber events that disrupt business.

Why? The threat landscape is huge, offensive and defensive technologies are evolving rapidly, and nation-state attacks are increasing in scope and sophistication. What's more, there has been a significant rise in attacks using compromised IoT devices which tend to be poorly protected.

The leadership team at 3Net Labs has over 150 years of leading-edge software and hardware development experience in both public and private sectors.

3NET LABS LLC
Artificial Intelligence on the Edge

Table of Contents

Product descriptions and specifications are subject to change without notice.

NEXT FRONTIER

3NET uses Artificial Intelligence (AI) and Deep Learning to build cyber resiliency. AI programs we developed in the 1980's are still running today

WE MAKE HUMANS SMARTER

3NET adaptive algorithms reduce signal-to-noise that allow humans to understand what a threat is. We integrate cognitive human behavior with machine learning in ways to drive greater understanding of asymmetrical threats.

OUTCOMES YOU CAN TRUST

We use AI to identify and classify constantly mutating threats before they cause harm to your environment. By determining patterns of life between structured, semi-structured and unstructured data, we identify previously unknown markers.
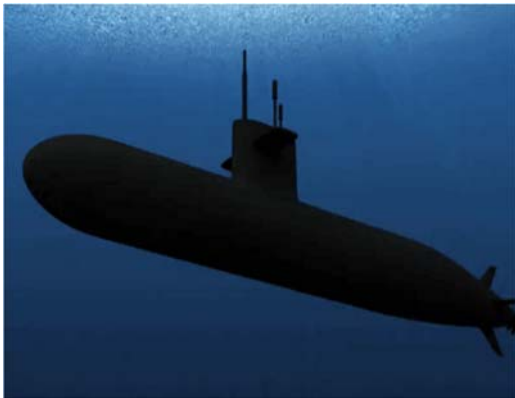
pg. 4

DEFENSE PRODUCT LINE

The following products make up the Defense products for our company. These products have been licensed to CIA, DOD, AF, HS, DNI, and other US intelligence agencies in the past. These new products are the second generation of those original products.

SCOUT

Scout is a drone surveillance which can detect, identify, and track objects in real time. This technology will work on up to 4k video streams. Find lost children, hikers, or an enemy in hiding. Scout can cover large areas looking for humans, animals, or man-made objects of any type and size. Scout can cover hundreds of square miles of terrain searching for the desired objects.

Prior Contract for Scout: **$11.3 million per year.**

ORCA

ORCA is a subsurface anomaly detection program. It is capable of finding submerged submarines from a single image of the ocean surface in 1-to-3-meter resolution. ORCA has detected submarines submerged up to depth of 150 feet in **3-to-6-foot waves**. These detections have been verified by the US NAVY. Current development effort involves the use of drones with 4k cameras.

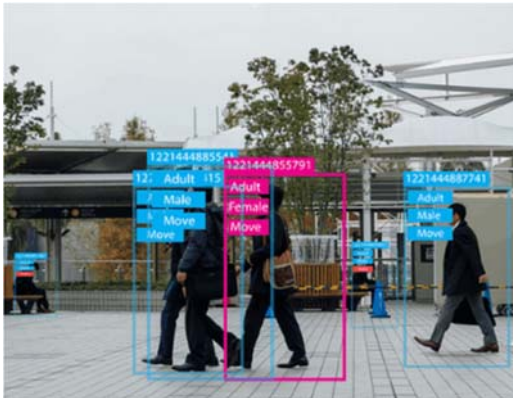Prior Contract for ORCA: **$8.26 million per year.**

CEDD Compression Enhanced Data Delivery)

CEDD compression boxes **double** the bandwidth or **double** the user capacity on an existing satellite. Adding CEDD boxes to the satellite network can save hundreds of millions of dollars and many years waiting for additional satellite deployment.
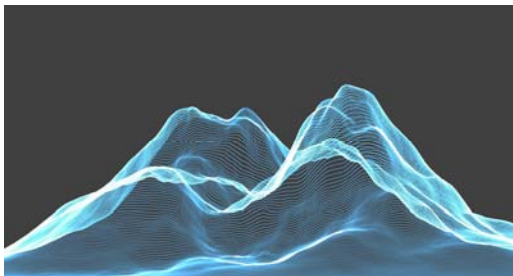
Prior contracts for CEDD: **$6.83 million per year**

VIDEO AI

3Net Labs' Video AI technology allows you to convert video to meaningful information. Capable of being used standalone or integrated into 3Net's TRACKER1 (Wireless Monitoring Technology), this technology allows the tracking and identification of individuals that are carrying mobile devices. Essential military applications are the detection of unauthorized individuals around military installations or forward operating bases. The Video AI tracks movement in 360 degrees with a range of 3 miles or more.

Prior contracts for Video AI**: $8.45 million per year**

RENDER AI

This technology allows you to convert standard 2-dimensional video into 3-D renderings in real-time for quick evaluation of any area.

Prior contracts for RENDER AI: **$4.2 million per year**

CYBER-SECURITY PRODUCT LINE

3Net Labs has developed a suite of advanced Cyber-Security Hardware and Software systems which utilize Artificial Intelligence and leading-edge compression and encryption.

TRACKER1

The wireless monitoring device surveils a security perimeter looking for all digital devices in the area and alerts the user and the wireless command center in real-time.

Suitable for home security as well as full corporate and business location monitoring and protection.

SEEKER1

Seeker1 is a more powerful version of Tracker1 which includes many additional features which are suitable for the needs of government agencies and law enforcement.

GOVERNMENT/LAW ENFORCEMENT PURCHASE ONLY

NOSKIM

This device is designed to detect illegal "skimmers", which intercept customer credit card information at gasoline pumps.

Station personnel are instantly notified upon detection of a skimmer.

RANSOM-AI

Ransom-AI cyber security programs monitor your computer networks looking for security breaches used by computer ransomware hackers. These AI programs were used by various US intelligence agencies and their contractors **to protect their own networks.**

SPECIALIZED DATA PROCESSING (SPD)

SPD finds the GPS location of any mobile phone. Phones can be located anywhere in the world, and if they are connected to a cellular or satellite network, SPD will find them and return their GPS coordinates. Also supports tracking movement over time.

GOVERNMENT PURCHASE ONLY

Prior contracts for SPD: $9.33 million per year

RANSOM RESET

Ransom Reset attempts to undo the damage caused by a ransomware attack **without the need to pay the ransom**.

RANSOM HUNTER

Ransom Hunter tracks down the cyber hackers that are involved in a ransomware attack and neutralizes them using a variety of cyber countermeasures and adaptive AI.
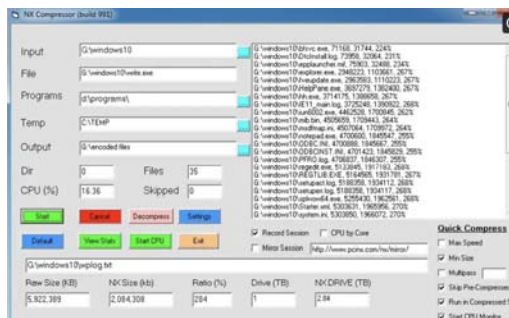
COMMERCIAL PRODUCT LINE

The company has leveraged its broad spectrum of advanced software capabilities to create numerous products which are marketed to the public.

NX COMPRESSION

Adaptive AI provides advanced lossy multimedia compression better that h.264/h.265 requiring much less CPU power. Suitable for both live and in-situ streaming and storage.

Prior contracts for NX: **$6.7 million**

NXD COMPRESSION

Adaptive AI provides superior compression size and speed from all other products in the marketplace today. Suitable for all types of data.
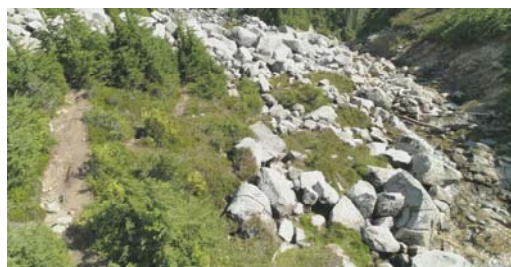
Prior contracts for NXD: **$7.6 million**

FRACTON

Predictive stock analytics that work! 85.8% accuracy year to date for 2019-2023. Real-time analysis of price and insider trade information available to mobile application.

Prior contracts for NXD: **$5.9 million**

SCOUT 2

Advanced Object Identification and Tracking Technology which can be used to locate objects, animals, or individuals in video sequences.

Applicable to numerous corporate and person uses.

Prior contracts for Scout 2: **$11.3 million**

NX MEMORY DOUBLER

Mobile app uses the NX compression technology to seamlessly double the memory storage of a mobile device.

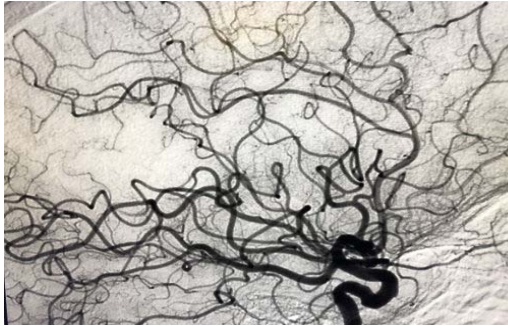**The market for this application numbers in the billions.**

SUPERMAILMERGE

SuperMailMerge is an application allowing a user to email and text up to 250,000 recipients per hour. Supports an unlimited number of profiles to support different campaigns and custom lists.

MEDICAL PRODUCT LINE

3Net Labs has developed sophisticated applications to help in the diagnosis and treatment of neural issues as well as to assist pharmacies and medical laboratories.

NEURAL-AI

Neural-AI is a mobile application which helps quickly guide doctors to critical parts of the brain damaged by stroke or other brain trauma.

Neural-AI saves lives.

PHARMACARE 2.0

Pharmacare is a standalone multi-user, multi-pharmacy, multiple company pharmacy data system developed in 1995 and was in use by over 300 pharmacies. Pharmacare features redundant data storage and with both phone and internet communications is rarely inaccessible.

Prior Contracts for Pharmacare: **$5.4 million**

LABNET 2.0

Labnet 1.0 was the first PC-based clinical information system. Released in 1985. And FDA approved in 1990, Labnet's data covered Clinical Chemistry, Hematology, Microbiology, Anatomic Pathology and Blood Bank metrics. FDA approved 1990. Labnet supports single or multiple lab environments.

Prior contracts for Labnet: **$8.4 million**

POWER INDUSTRY PRODUCT LINE

3Net Labs has leveraged its expertise in Artificial Intelligence and Object Identification to develop new technological applications to support the power industry.

POWER LINE ANALYTICS (PLA)

PLA technology detects imperfections in powerlines and other hardware and performs predictive analytics to determine the remaining time before failure.

In addition to preventing costly blackouts, PLA will help to prevent power line-created fires in wooded areas.

POWER PLANT ANALYTICS (PPA)

PPA technology detects imperfections and imminent failure warning for powerplant pipelines and power distribution hardware.

OIL AND GAS PRODUCT LINE

3Net Labs has developed game-changing technology to greatly assist drilling operations.

SEG-Y DATA ANALYZER (SDA)

SDA uses 3Net Labs' patented pattern analysis and AI technologies to more accurately determine the identity and quality of assets below ground, using existing or historical Seg-Y data.

Prior Contracts for SDA: $6.9 million

pg. 11

3NET LABS – Tracker1

3NetLabs introduces a sophisticated family of devices designed to enhance security measures within government facilities and high-risk infrastructures. The integrated device network utilizes a passive mesh topology to ensure robust, scalable security coverage. These devices are equipped with artificial intelligence signal processing capabilities that continuously monitor and analyze movements throughout the premises. By leveraging advanced algorithms, the system effectively identifies potential security threats or breaches. Upon detection, it autonomously reports suspicious incidents to both the designated facility users and law enforcement agencies, thereby facilitating rapid response and mitigative actions. This approach not only increases the resilience of critical infrastructures against unauthorized access but also integrates seamlessly with existing security protocols to augment overall safety measures.

Tracker1 Lite

Lite – Compact and Flexible Security

Tracker1 Lite represents the most compact and lightweight model within our security device family, with a mass just under 500 grams. Enhanced by an optional solar kit, this device can achieve virtually unlimited battery life, provided it is positioned in areas with sufficient sunlight. Engineered for versatility, Tracker1 Lite is ideally suited for external perimeter security applications when integrated within a Tracker1 Max network or scenarios demanding high mobility. Its ultra-portable design makes it an excellent choice for on foot mobile security teams or for integration with unmanned aerial vehicles (UAVs) for reconnaissance purposes. This adaptability ensures that Tracker1 Lite can seamlessly support a wide range of security operations, enhancing overall situational awareness and response capabilities.

Specification: *

Price:	$600 USD
Mass:	>500gr
Size:	~ 15cm X 10cm X 5cm
Device Power:	Battery. 5v USB C, POE
Battery life:	~48hrs, potentially unlimited with Solar add on kit
Monitoring:	1x Omni and 1x Directional
Spectrum:	Please consult with 3NET Labs to determine what is best for you.
Sensors:	GPS, Magnetometer, Accelerometers
Connectivity:	Bluetooth (for mobile monitoring backhaul), RJ45 W/POE (for Fixed internal monitoring), LORA for Tracker1 family integration, and M-LTE (optional)

Suggested pricing $799 USD plus monthly support plan.

Tracker1 Pro
Pro – Advance Security for Professionals

Tracker1 Pro

Description:
The Tracker1 Pro device is a sophisticated member of our security device family, offering comprehensive directional coverage monitoring capabilities. Available in two variants, the Pro device caters to diverse deployment needs: the Tracker1 Fixed Pro is designed for indoor use where battery backup is not required, while the Tracker1 Mobile Pro features a battery backup system. The latter can also be equipped with solar integration, potentially providing unlimited battery life if placed in sufficiently sunlit areas and comes with ruggedized enclosures to withstand harsh environments. While capable of operating independently, the Pro device achieves optimal performance when networked with other Pro devices within a MAX network. This configuration allows for enhanced coordination and heightened security across the deployment area, making it a robust solution for advanced security setups.

Specification: *

	Tracker1 Fixed Pro	Tracker1 Mobile Pro
Price:	$1,000 USD	$1,500 USD
Mass:	~500gr	~2kg
Size:	~20cm X 20cm X 10cm	~20cm X 20cm X 15cm
Device Power:	5v USB C, POE	5v USB C, POE, Battery
Battery life:	N/A	~48hrs, potentially unlimited with Solar add on kit
Monitoring:	1x Omni and 3x Directional	1x Omni and 3x Directional
Spectrum:	Please consult with 3NET Labs to determine what is best for you.	Please consult with 3NET Labs to determine what is best for you.
Sensors:	GPS, Magnetometer, Accelerometers	GPS, Magnetometer, Accelerometers
Connectivity:	Bluetooth (for mobile monitoring backhaul), RJ45 W/POE (for Fixed internal monitoring), LORA for Tracker1 family integration, and M-LTE (optional)	Bluetooth (for mobile monitoring backhaul), RJ45 W/POE (for Fixed internal monitoring), LORA for Tracker1 family integration, and M-LTE (optional)

Suggested pricing $ USD $1499 USD plus monthly support plan.

Tracker1 Max

Max – Centralized Security Command

Description:

The Tracker1 Max device is the most substantial offering in our security device family, available in both a rackmount fixed version and a mobile version to suit various deployment contexts like forward operating bases. Serving as the central command unit, the Tracker1 Max device orchestrates the network connectivity among all devices within the Tracker1 family. It integrates the individual data feeds from these devices, enabling the embedded AI to effectively monitor expansive geographical areas. This centralization of data enhances the AI's ability to analyze and respond to security situations efficiently, making the Max device pivotal for maintaining oversight and control over large-scale security deployments.

Specification: *

	Tracker1 Fixed Max	Tracker1 Mobile Max
Price:	$2,500 USD	$3,500 USD
Mass:	NA	~10kg
Size:	Rackmount/Tower	~65cm X 35cm X 35cm
Device Power:	AC	AC, Battery
Battery life:	N/A	~48hrs, potentially unlimited with Solar add on kit
Monitoring:	3x Omni and 9x Directional	3x Omni and 9x Directional
Spectrum:	Please consult with 3NET Labs to determine what is best for you.	Please consult with 3NET Labs to determine what is best for you.
Sensors:	GPS, Magnetometer, Accelerometers	GPS, Magnetometer, Accelerometers
Connectivity:	SFP+, LORA for Tracker1 family integration	LORA for Tracker1 family integration, M-LTE (optional), and 3rd party satellite vendors (optional)

Suggested pricing $ USD $2999 USD plus monthly support plan.

These are preproduction specs of the base model in each family and could possibly change should additional constraints and options be added to the device.

SIGNIFICANT COPYRIGHTS

Copyright Number	Description
V3536D631, 2006	CORTEX – AI controls
TX0002000234, 1986	MIND Laboratory Software
TX0002083750, 1987	MIND 1.0 microbiology laboratory software
TX0001992867, 1985	MIND 3.0 clinical laboratory software – blood spectral analytics
TX0002034758, 1986	MIND multiple instrument network distribution laboratory information systems – Advanced AI
TXu000117868, 1983	Evapotranspiration model with irrigation scheduling software
TX0001983147, 1986	CORTEX- AI analytics
V3536D581, 2006	Blood Gas Analysis and 6 other titles
TX0002095009, 1987	Anatomic Pathology – cell differentiation
TXu000119540, 1983	MIND blood gas control software
TXu000098699, 1982	Accounting Software
TXu000098727, 1982	MIND blood gas analysis – AI copyright
TXu000098728, 1982	Blood gas quality control
TXu000098018, 1982	Blood gas analysis
TXu000098731, 1982	Blood gas quality control

SIGNIFICANT PATENTS

Patent Number	Description
US 7058771 B2, 2021	System and method for managing memory in a surveillance system AI network
US 7142778 B2, 2021	Optical encoding of audio data
WO 2002045271 A3, 2023	Method and apparatus for encoding information using multiple passes and decoding in a single pass
WO 2002080444 A3, 2024	Method and apparatus for streaming data using rotating cryptographic keys
WO 2003038811 A1,2023	Color palette-based encoding of audio data
WO 2003039162 A3, 2023	Method and apparatus for determining patterns within adjacent blocks of data - AI
US 6978047 B2, 2005	Method and apparatus for storing digital video content provided from a plurality of cameras.
US 7050583 B2, 2006	Method and apparatus for streaming data using rotating cryptographic keys - AI

Many patents were blocked by the U.S. Government due to national security concerns but prior use acknowledged. These include patents for decryption, submarine detection, offense and defensive cyber technologies, neural network models, compression, computer intrusion techniques, and zero-day exploits.

Company plans on filing new patents reflecting prior use technology.