



Palladyne AI Overview

August 2026

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NASDAQ: PDYN



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Palladyne AI

U.S.-based Defense & Industrial AI

COMPANY SNAPSHOT

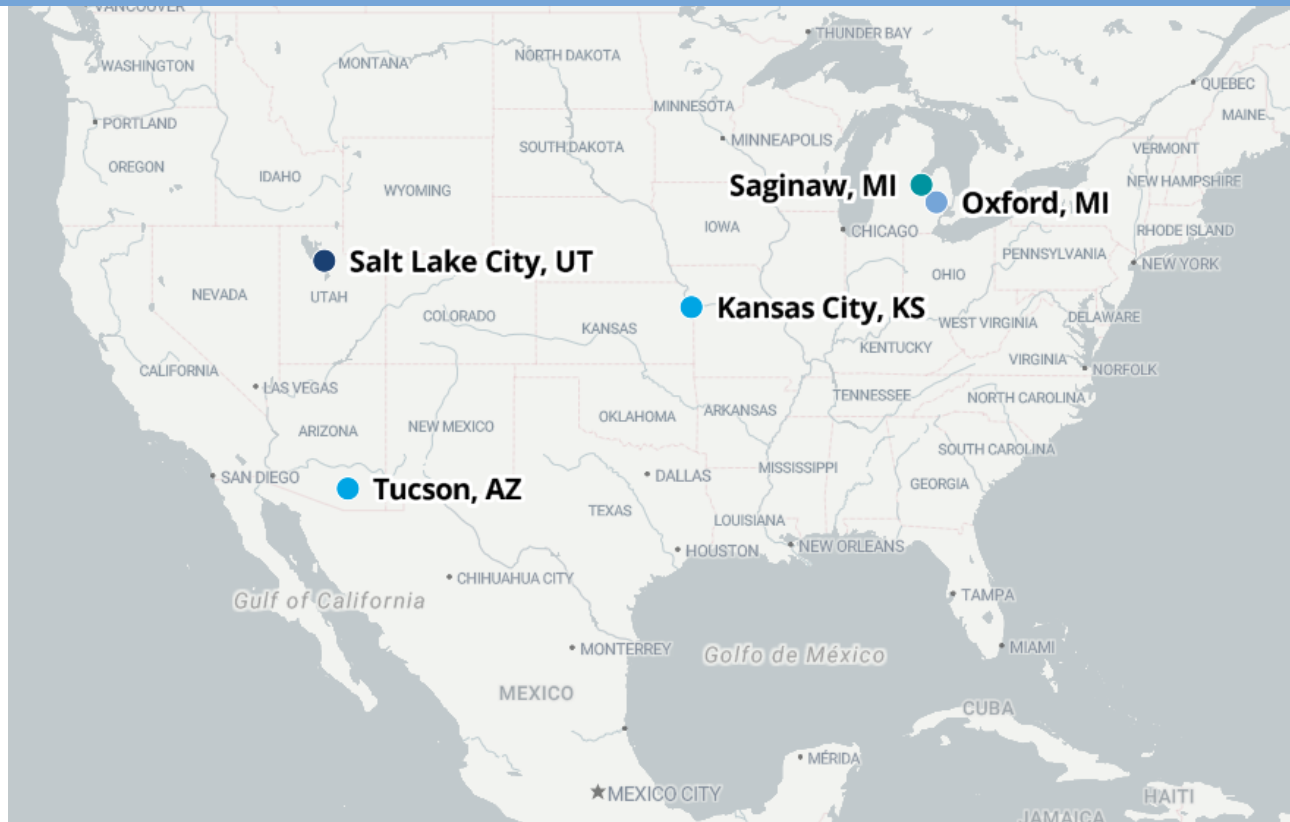
NASDAQ: PDYN

~200

EMPLOYEES*

~\$300M

MARKET CAP



Palladyne AI

Our Business

Embodied AI

DECA -- Embodied AI software that enables robots and drones to operate autonomously and collaboratively for aerospace, defense and industrial customers.



AI/DECA-Enabled UAVs, Loitering Munitions & Missiles

Complete weapons systems optimized to leverage our AI.



Supported by

Avionics & Components

In-house avionics design and integrated components built for next-generation platforms.

Systems Engineering

End-to-end systems engineering from concept through fielded, mission-ready systems.

U.S. Manufacturing

Domestic manufacturing capability supporting scale, security and speed to field.

CAPABILITIES

Human-Like Reasoning

Replaces brittle, pre-programmed scripts with adaptive decision-making — robots handle variability without stopping or human intervention.

Edge-Based Autonomy & Multi-Modal Sensor Fusion

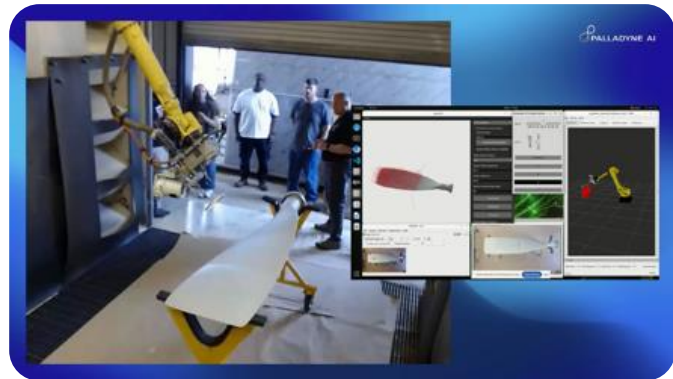
Fuses vision, force, and motion sensing to adapt robot motion path dynamically. Decision-making at the edge with no cloud dependency.

Low-Code / No-Code Training

Operators teach new tasks by demonstration or low-code UI — no specialized programmers required for re-tasking or change-overs.

Robot-Agnostic Deployment

One software stack across Fanuc, Universal Robots, and other industrial platforms. Hardware-independent.



Autonomous
surface remediation

Autonomous
media blasting

Autonomous
precision sanding

PROGRAM TRACTION



AFWERX CH STRATFI SBIR Phase II - WARNER ROBINS ALC

CAPABILITIES

Enhanced Operational Effectiveness

Sustains track on high-value targets with autonomous handoff if a sensor fails or custody lapses.

Self-Orchestration

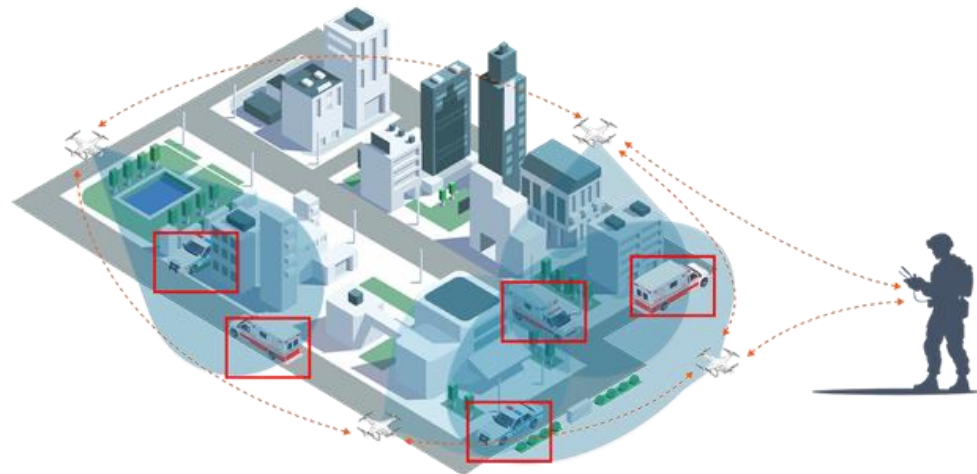
Each UAV perceives, decides, and acts autonomously, yet collaboratively — assigning roles by mission intent.

Enhanced Situational Awareness

Multi-sensor fusion across EO, IR, RF, LiDAR, and radar for real-time understanding in degraded conditions.

Autonomous Multiplatform Collaboration

Coordinates diverse UAV platforms into a unified fleet; optimizes coverage via shared mission information.



PROGRAM TRACTION



AFRL

Relentless Wolfpack



ARMY · AAL

Northern Strike 26-2



U.S. ARMY

ARMY

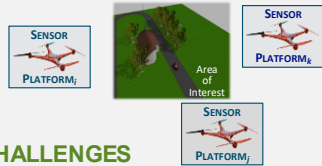
4ID - Ivy Mass

Decentralized Embodied AI

Closed-Loop Tasking and Control of Heterogenous Sensor Networks

SCENARIO

Observe site area using available independent fixed (tower) or mobile (UAS) sensors

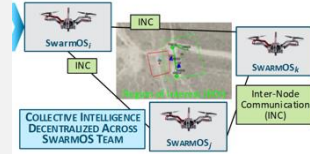


CHALLENGES

- Personnel-intensive – multiple roles, multiple shifts
- Manual observation of data streams to extract information
- Manual information dissemination
- Manual coordination – between sensors, platforms, & personnel
- Manual control of sensors & management of target allocation

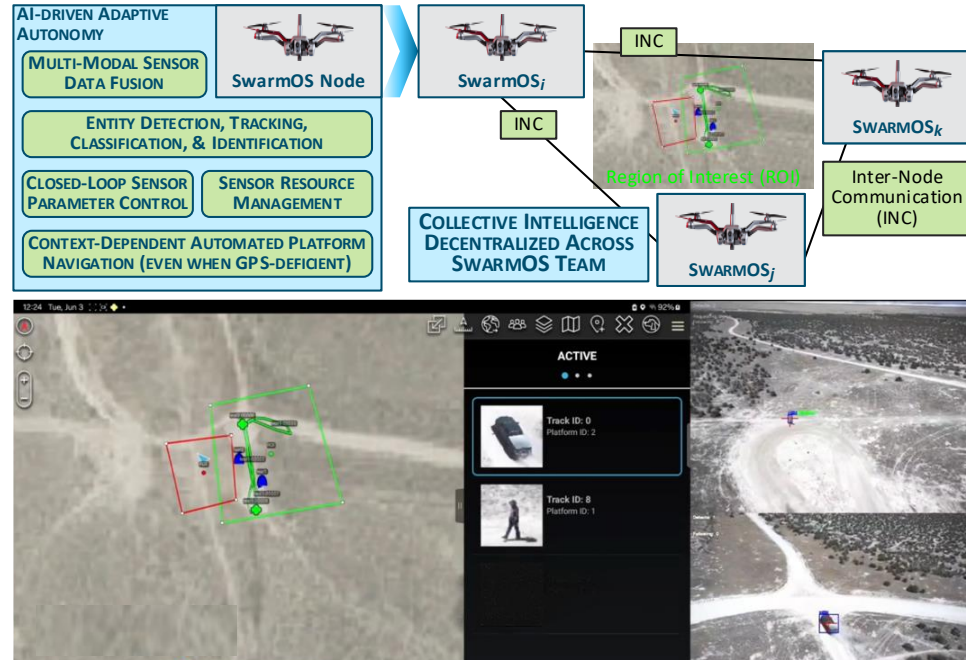
SOLUTION

Transform sensing assets into an autonomously collaborating sensing arid that self-orchestrates



APPROACH

- Automate data processing & information extraction from each sensor – on individual platforms
- Combine information between sensing modalities on a platform
- Exchange information (NOT data) between platforms & w/ operator
- Enable platform coordination to maintain HVT custody



Embodied AI emphasizes closed-loop interaction, where intelligence emerges from the continuous coupling between physical systems, learned representations, and real-world feedback.

Advanced Low-Cost Avionics

Scalable Flight Computers for Autonomous Defense Systems

AVIONICS HARDWARE

MISSION-GRADE FLIGHT CONTROL COMPUTER

BRAIN FC1

Mission-Grade Flight Control Computer for GNC-Intensive Autonomous Systems

Cost-optimized for scalable high-rate defense manufacturing



Mission-Grade GNC



GPS-Denied-Capable



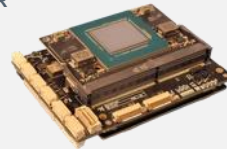
AI-Expandable

AI-NATIVE FLIGHT CONTROL COMPUTER

BRAIN X2

AI-Native Flight Control Computer for Advanced Autonomous Systems

Avionics foundation for IntelliSwarm™ autonomy + avionics module



AI-Enabled Flight Control



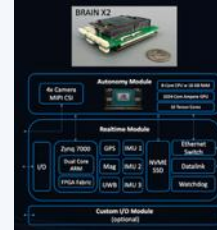
Ultra-Low SWaP:
97g



GPS-Denied-Capable

ONE BRAIN MODULE REPLACES A \$50K+ AUTONOMY STACK

BRAIN X2



~\$6k | 97g | 10 CPUs
1024 GPU Cores | GPS/INS/Mag/Baro

Conventional Avionics



\$17k



GPS >=\$10k



\$12k

Realtime Module



\$11k

Autonomy Module

VS.

~\$50k+ | Several Pounds
10 CPUs | 1024 GPU Cores | GPS/INS only

BRAIN X2 replaces a multi-component conventional avionics stack at a fraction of the cost. Onboard AI eliminates the need for exquisite hardware. Mission performance comes from software, not expensive components.

PROGRAM TRACTION



ARMY · AAL

Northern Strike 26-2

Gremlin-X™, powered by IntelliSwarm™ (built on BRAIN X2), selected for joint exercise (Aug. 2026)



AFRL

Relentless Wolfpack

SwarmStrike™, powered by IntelliSwarm™ (built on BRAIN X2), selected by AFRL for Industry Day, May 2026

CAPABILITIES

Autonomous Collaborative Swarming

Provides onboard autonomy for a platform to operate and collaborate within a SwarmOS™-orchestrated swarm.

Resilient GPS-Denied Navigation

Enables platforms to operate and swarm in GPS-denied, comms-degraded environments without external signals.

Integrated Flight Control & AI Compute

Flight and AI processors run independently, autonomy never compromises flight-critical performance.

WOSA-Compatible

Integrates with existing DoD weapons, rails, and hardpoints through WOSA-compatible design.

NDAA Compliance

Fully U.S.-based design, engineering, and manufacturing.

SPECIFICATIONS

WEIGHT
<100 g

FLIGHT CONTROL
AMD Zynq 7000

AI COMPUTE
**NVIDIA Jetson Orin
NX**

POWER INPUT
10-32 VDC

POWER DRAW
**8 W nominal (30 W
max)**

OPERATING TEMP
0°C to 85°C

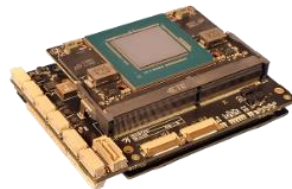
PROGRAM TRACTION



Northern Strike 26-2: Joint Exercise



AFRL Relentless Wolfpack Industry Day



IntelliSwarm Module

Israel Aerospace Industries: A Global Defense Powerhouse

Israel's Largest Defense Company. Top 30 Defense Company Globally.

Who is IAI?

- Government-owned Israeli defense company founded under the initiative of Shimon Peres in 1953
- Israel's largest tech employer & largest engineering workforce
- Trusted partner to defense establishments worldwide
- Record sales, profits, and backlog in 2025



\$30B+

Backlog*

\$7.4B

2025 Revenue*

70+

Years of Continuous Innovation
& Operational Deployment*

50+

Countries Served*

PORTFOLIO

Defense Domains



Air



Land



Sea



Space



Cyber/ Intelligence

Battle-Proven Loitering Munitions

Exclusive U.S. Partnership with Israel Aerospace Industries (IAI) · Palladyne AI will Americanize, Manufacture, and Market to U.S. Government

DEAL STRUCTURE

Exclusive U.S. Rights

Manufacture, integrate, and market IAI's loitering munitions to the U.S. Government

Palladyne AI Role

Adapt systems to U.S. requirements; manufacture domestically; contracts with U.S. Government

IAI Role

Engineering support and potential supply of key components and subsystems

Expansion Potential

Potential to expand to additional systems and technologies

COMBAT-PROVEN HERITAGE

Israel Aerospace Industries (IAI) established the loitering-munition category 40+ years ago — combat-proven across diverse campaigns.

THREE SEAD/DEAD PLATFORMS

Purpose-built to suppress and destroy intermittent air-defense radar



Mini HARPY

Tactical SEAD/DEAD · dual-seeker

Range	~100 km
Endurance	1–2 hr
Warhead	7–8 kg
Guidance	EO/IR + AR

BEST POSITIONED FOR

- Tactical distributed SEAD
- Brigade · MDTF · Marine ops
- Organic anti-IADS capability



HARPY

Persistent anti-IADS SEAD/DEAD

Range	200–1,000 km
Endurance	6–9 hr
Warhead	16–32 kg
Guidance	Passive AR

BEST POSITIONED FOR

- Operational / theater SEAD
- Persistent anti-IADS suppression
- Intermittent emitter hunting



HAROP

Long-range SEAD/DEAD · ISR-strike

Range	200–1,000 km
Endurance	6–9 hr
Warhead	16–23 kg
Guidance	EO/IR + MITL

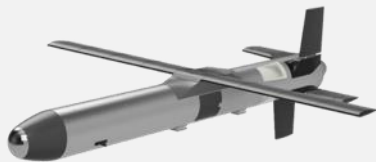
BEST POSITIONED FOR

- Persistent ISR-strike operations
- Contested distributed warfare
- Autonomous collaborative strike

Low-Cost Strike Systems Under Development

NETWORKED STRIKE SwarmStrike™

*Autonomy-Capable Networked
Collaborative Cruise Missile*



RE-USEABLE EFFECTS Gremlin-X™

*DECA-Enabled Reusable
Mini-Bomber*



PROGRAM TRACTION
AFRL Relentless Wolfpack

1 / 14
COMPANIES
SELECTED



PROGRAM TRACTION
Northern Strike 26-2

STRIKE
ROLE
SELECTED



\$150K

*Unit cost vs. ~\$3M
for JASSM*



GPS-Denied

*Navigation in
contested airspace*



Swarming

*Attacks &
overwhelms target*



~\$1K

*Per effect over 30+
missions*



Re-Useable

*Reusable after
every strike*



1.8 kg Warhead

*GPS-denied, 1:6
operator ratio*

ALRRM: Mach 4.5 Missile for F-35

Air-Launched Rapid Response Missile

CAPABILITIES

Near-Hypersonic Speed at Attritable Cost

Designed to exceed Mach 4 sustained cruise speed. Delivers near-hypersonic performance at a fraction of the cost.

Long-Range Deep Strike

Designed to exceed 350 nautical miles at high altitude. Compatible with existing 5th-generation aircraft platforms.

5th-Gen Fighter Compatible

Meets designated size and weight requirements for internal carriage on modern combat aircraft. Can fit inside the weapons bay of an F-35.

PROGRAM TRACTION



U.S. NAVY
ALRRM Contract Award
(SBIR Phase 2)



Mach 4+



350+ nmi



Air-Breathing SFRJ

Palladyne Manufacturing

U.S. Production for Priority Defense Programs

OXFORD, MI
SAGINAW, MI

WARNKE

PRECISION MACHINING

A PALLADYNE AI Company

PRECISION CNC MACHINING

Tight-tolerance components & sub-assemblies

- CNC Milling — 3, 4, 5 Axis
- CNC Boring Mills — 3, 4 Axis
- CNC Turning & OD Grinding
- CMM, Laser Engraving, Sub-assembly

MKR

FABRICATORS

A PALLADYNE AI Company

HEAVY FABRICATION

Structural welding & large-format cutting

- Welding & Fabrication
- Plasma Arc Cutting to 10'x20'x4"
- Plate Rolling (up to 2"), Bending
- Up to 25 tons lifting capacity

CERTIFICATIONS

AS9100

ISO 9001:2015

PROGRAMS SUPPORTED

F-35

F-16

F-22

C-130

Tomahawk

Harpoon

JDAM

Bradley

M1A1 Abrams

KEY CUSTOMERS



KRATOS



Palladyne AI Exercises and Demonstrations

Event	Location	Start	End	Status
4ID Gremlin Training / Hunter Killer Showcase	Ft. Carson, CO	6/22/26	6/26/26	COMPLETE
NGC2 Integration – PLI/FMV/Tasking	Ft. Irwin, CA (NTC)	7/6/26	7/12/26	COMPLETE
RSOI / VALEX (Range Brief)	Ft. Irwin, CA(NTC)	7/13/26	7/15/26	COMPLETE
Squadron Movement into 'The Box' – Exercise	Ft. Irwin, CA (NTC)	7/16/26	7/30/26	COMPLETE
Project Convergence Capstone 6 (PCC6)	Ft. Irwin, CA. (NTC)	7/17/26	7/29/26	COMPLETE
Northern Strike 2026	Camp Grayling, MI (NADWC)	8/1/26	8/15/26	COMPLETE
Ft. Polk w/ Orkid	Ft. Polk, LA	8/28/26	9/6/26	INVITED
TE26-4 Liberty Alliance	Red Springs, NC	9/14/26	9/18/26	PRIORITY
4ID IVY STING 7	Ft. Carson, CO	10/13/26	10/27/26	PLANNED
4ID IVY STING 8	Ft. Carson, CO	12/1/26	12/11/26	PLANNED
4ID IVY STING 9	Ft. Carson, CO	1/25/26	2/5/26	PLANNED
4ID IVY STING 10 / MASS	Ft. Carson, CO	3/22/26	4/2/26	PLANNED
African Lion 2027 (AL27)	Morocco, Ghana, Senegal, Tunisia	4/20/27	5/8/27	PLANNED

Why Now? The World Has Changed.

Tailwinds from Multiple Structural Shifts Driving Demand

THE NEW RULES OF READINESS



DoW Cost-per-Effect Mandate

Priorities shifting from “the biggest” to “the smartest, cheapest, fastest.”

PALLADYNE AI DELIVERS

Palladyne IQ 2.0

SwarmOS

Gremlin-X™

SwarmStrike

BRAIN

IAI Partnership

IntelliSwarm



Reshoring and Sovereignty

Executive mandate for domestic defense production and expanded military budget.

Palladyne Manufacturing

IAI Partnership

SwarmOS

Gremlin-X

SwarmStrike

IntelliSwarm

BRAIN



DECA in Mission Systems

Autonomous systems moving from concept to operational deployment and solving real problems.

SwarmOS

IntelliSwarm



Battle Proven Loitering Munitions

Best-in-class SEAD and DEAD capabilities that fill a gap in the US arsenal

IAI Partnership

Guidance, Backlog, and Balance Sheet Information

	As of 6/30/2026 ¹ (in \$M)
FY 2026 Revenue Guidance	\$24.0 - \$27.0
FY YTD Revenue through June 2026	\$9.3
Backlog	\$24.6
Cash, Cash Equivalents & Marketable Securities	\$43.7
Long-Term Debt ⁽²⁾	\$0
July – December 2026 Expected Operating Cash Burn	\$12.0 - \$16.0
Stock Price (as of 9/4/2026)	\$5.71
YTD Stock Price Performance (as of 9/4/2026)	+34%
Market Cap (as of 9/4/2026 – 49.1M shares issued/outstanding)	\$280.4

Covering Analysts:

- Adam Samuelson, Jefferies
- Max Michaelis, Lake Street Capital
- Mike Lattimore, Northland Capital
- Brian Kintslinger, Alliance Global Partners



Thank You

 [linkedin.com/company/palladyneaicorp](https://www.linkedin.com/company/palladyneaicorp)

 www.palladyneai.com

 info@palladyneai.com

 (888) 927-7296

Palladyne AI

Business Summary

COLLABORATIVE AUTONOMY SOFTWARE



Design + AI + Manufacturing —
vertically integrated under one roof

SwarmOS Collaborative Autonomy **The Orchestration Layer for Autonomy**

Patented Decentralized Embodied
Collaborative Autonomy (DECA)

- True wolfpack autonomy (not automation)
- 1:XX operator oversight
- GPS- and comms-denied operations

Palladyne IQ – Industrial Autonomy

The fastest way to train and maintain
industrial robots and cobots



AEROSPACE AVIONICS & ENGINEERING



Prime contractor DNA — concepts to
flight prototype in <6 months

BRAIN Flight Computer

~1/10th weight & cost of legacy; onboard
AI inference

UAV & Missile in Development

Gremlin-X™ (mini-bomber),
SwarmStrike™, ALRRM

Cost Edge

- Gremlin-X targets <\$1k/effect
- SwarmStrike < \$150k/unit
- < 6-month concept to flight prototype



U.S. MANUFACTURING



More than 100,000 sq ft of precision
component manufacturing, fabrication,
and assembly production facilities

Certifications

AS9100 & ISO 9001:2015; machining &
assembly

Active Programs

F-16, F-22, F-35, C-130, Tomahawk,
Harpoon, JDAM, Bradley, M1A1 Abrams

Scale-Up

Significant capacity available

