ZR ORION SYSTEMS

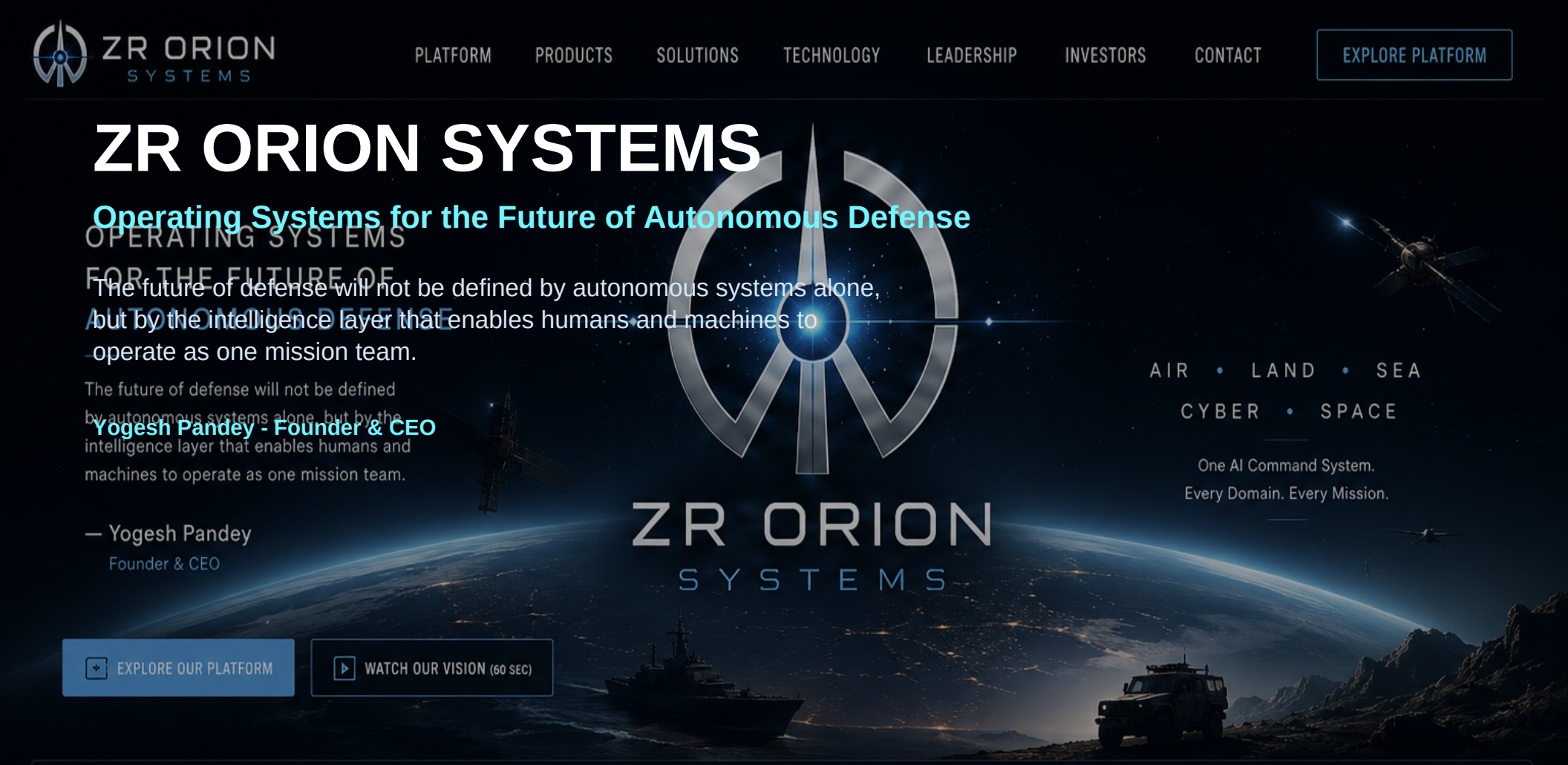
PLATFORM PRODUCTS SOLUTIONS TECHNOLOGY LEADERSHIP INVESTORS CONTACT EXPLORE PLATFORM

ZR ORION SYSTEMS

Operating Systems for the Future of Autonomous Defense

The future of defense will not be defined by autonomous systems alone, but by the intelligence layer that enables humans and machines to operate as one mission team.

Yogesh Pandey - Founder & CEO



AI COMMAND SYSTEM
The central nervous system for autonomous defense operations across all domains.
EXPLORE →

SENSOR FUSION
Multi-source data fusion for unmatched situational awareness and precision.
EXPLORE →

SWARM COORDINATION
Autonomous teaming of manned and unmanned systems at scale.
EXPLORE →

MISSION SIMULATION
AI-powered simulation and digital twin environments for decision advantage.
EXPLORE →

SPACE DOMAIN AWARENESS
Persistent orbital intelligence and space operations awareness.
EXPLORE →

OUR MISSION
Deliver AI Command Systems that ensure decision advantage, mission success, and national security in the 21st century.

$1 TRILLION+ TOTAL ADDRESSABLE MARKET
AI, autonomy, and defense technology convergence driving massive global demand.

$30 MILLION STRATEGIC CAPITAL
layer for autonomous defense at scale.

MULTI-DOMAIN BY DESIGN
Air, Land, Sea, Cyber, Space – One unified system. Limitless impact.

BUILT BY OPERATORS FOR OPERATORS
Founded by a technologist and operator with deep

The Problem

Autonomous systems are proliferating across every domain, but command systems remain fragmented.

Data Fragmentation

Drone feeds, satellite imagery, maritime signals, cyber alerts, and infrastructure sensors remain disconnected.

Decision Latency

Operators need clear recommendations, not more dashboards.

Autonomy at Scale

Future missions require coordinated autonomous systems with human approval.

The Platform

ZR Orion Command is the intelligence layer connecting sensors, autonomous assets, operators, and decision workflows.

Command

Mission intelligence and AI recommendations.

Nexus

Multi-domain sensor fusion.

Sim

Scenario testing and outcome prediction.

Human Approval

Explainable decision workflows.

Product Ecosystem

A durable software platform designed to remain relevant as hardware, models, and mission environments evolve.

Command
Core OS

Nexus
Fusion

Swarm
Autonomy

Sim
Simulation

Orbital
Space

Sentinel
Infrastructure

Mission Simulation

Scenario-driven decision intelligence across defense, space, maritime security, and critical infrastructure.

Defense Operations

Detect, simulate, approve, respond.

Orbital Awareness

Track, predict, maneuver, protect.

Infrastructure Protection

Monitor, simulate, isolate, preserve.

Market Opportunity

A $1T+ long-term opportunity across defense AI, autonomy, space infrastructure, and multi-domain command platforms.

$1T+ TAM

Long-term market across defense AI, autonomy, space, infrastructure, and command systems.

5 Domains

Air, land, sea, cyber, and space.

100B+ Sensors

Future connected sensor and autonomous infrastructure.

24/7

Persistent intelligence.

Capital Strategy

$30M Strategic Capital Plan to accelerate platform development, AI engineering, simulation, security, and IP.

$30M Strategic Capital

Accelerate platform development and customer discovery.

Use of Funds

AI engineering, simulation, security, IP, and product development.

Milestones

Prototype, product demo, pilot readiness, advisor network.

Why Now

AI, autonomy, space, and defense modernization are converging.

AI Breakthroughs

Models are becoming mission assistants and decision-support layers.

Autonomy Growth

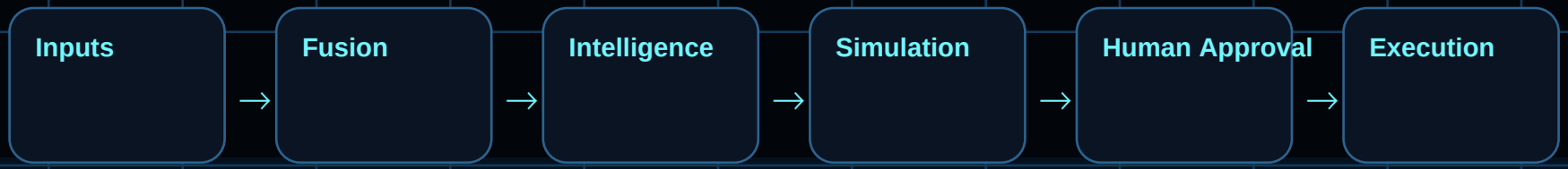
Drones, robotic systems, and autonomous assets are expanding rapidly.

Space & Security

Orbital awareness and space infrastructure are strategic necessities.

Technology Architecture

Inputs flow through fusion, intelligence, simulation, human approval, and autonomous execution.



Go-to-Market

Initial pathways across defense operations, homeland security, space, maritime, and critical infrastructure.

Defense

Mission planning and autonomous coordination.

Homeland Security

Border, port, and emergency response workflows.

Space & Aerospace

Orbital awareness and relay intelligence.

Leadership

Founder-led mission with a focus on AI systems, national security technology, and autonomous intelligence.

Yogesh Pandey, Founder & CEO

Founder-led vision focused on AI systems, autonomous intelligence, mission operations, and national security technology.

Next Steps

Build prototype, validate product narrative, engage advisors, develop pilots, and prepare strategic investor conversations.

Prototype

Build product demo and simulation experience.

Advisors

Recruit defense, AI, space, and enterprise advisors.

Pilots

Validate customer discovery and mission use cases.

Capital

Prepare strategic investor conversations.