



Alpha X AI™

# CAPABILITIES BREIFING

AI That Thinks Ahead



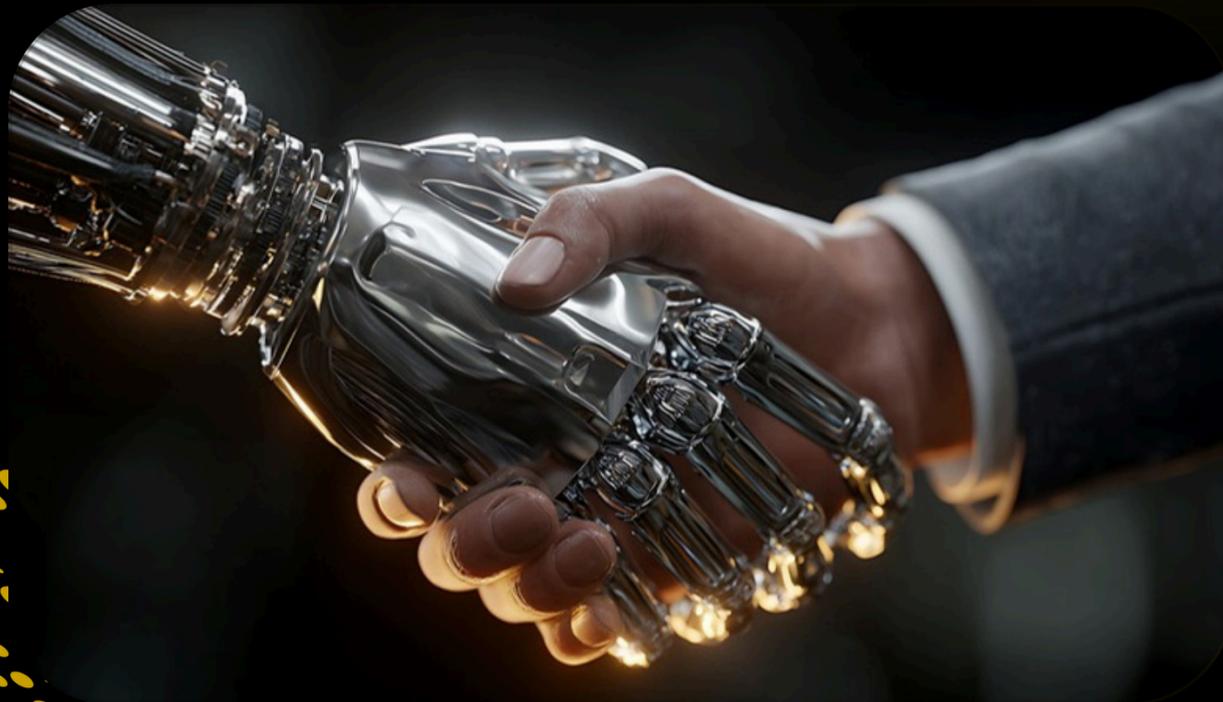


# WHO WE ARE

Transforming Intelligence into Operational Advantage

**Alpha X AI™** innovates futuristic AI solutions to support business transformation by prioritizing superior performance and coherent integration. Our mission is to reshape how organizations implement artificial intelligence technologies by leveraging automation, analytics, and adaptive and machine learning.

Our AI capabilities encompass the transformational challenges and speed necessary to support the AI industrial revolution. Alpha X AI™ supports natural language understanding, computer vision, predictive analytics, and conversational agents. These are combined with end-to-end MLOps for data ingestion, model development, continuous validation, and secure cloud or edge deployment. Our team partners with your organization to translate domain expertise into a scalable AI that measurably improves decision quality, operational resilience, and stakeholder trust.



Advanced Artificial Intelligence Development and Integration



End-to-End MLOps for Secure Cloud or Edge Deployment



Proven Expertise in Data Analytics, Computer Vision, and Natural Language Understanding



Alpha X AI™

# WHO WE ARE

## **Vision:**

To lead the AI Industrial Revolution by creating advanced, high-performance artificial intelligence as a trusted force that powers stronger decision-making, resilient operations, and enduring mission success

## **Mission:**

To deliver advanced, scalable AI solutions that help organizations with speed and precision through the power of advanced artificial intelligence, analytics, and adaptive learning.



Alpha X AI™

# CORE CAPABILITIES

Transforming Artificial Intelligence into Operational Advantage

- Monti™: Conversational Agents
- Good chat: Safe Chat
- Change AI™: Policy and Governance Automation
- Titan AI™: Asset and Document Management
- Artemis Life Sciences™
- Raven AI™
- Natural Language Understanding (NLU)
- Computer Vision
- Predictive Analytics
- MLOps Lifecycle Management

## NAICS

- 541511 – Custom Computer Programming Services
- 541512 – Computer Systems Design Services
- 541513 – Computer Facilities Management Services
- 541519 – Other Computer Related Services
- 541715 – Research and Development in the Physical, Engineering, and Life Sciences
- 541713 – Nanotechnology Research
- 541714 – Biotechnology Research
- 541690 – Other Scientific & Technical Consulting Services
- 518210 – Data Processing, Hosting, and Related Services
- 541618 – Other Management Consulting
- 541330 – Engineering Services





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# Monti™: CONVERSATIONAL AGENTS

## WHAT IT DOES

Deploys AI chat and voice interfaces tailored for operational and mission environments.

## WHY IT MATTERS

Enhances end-user support, reduces human workload, and boosts responsiveness.





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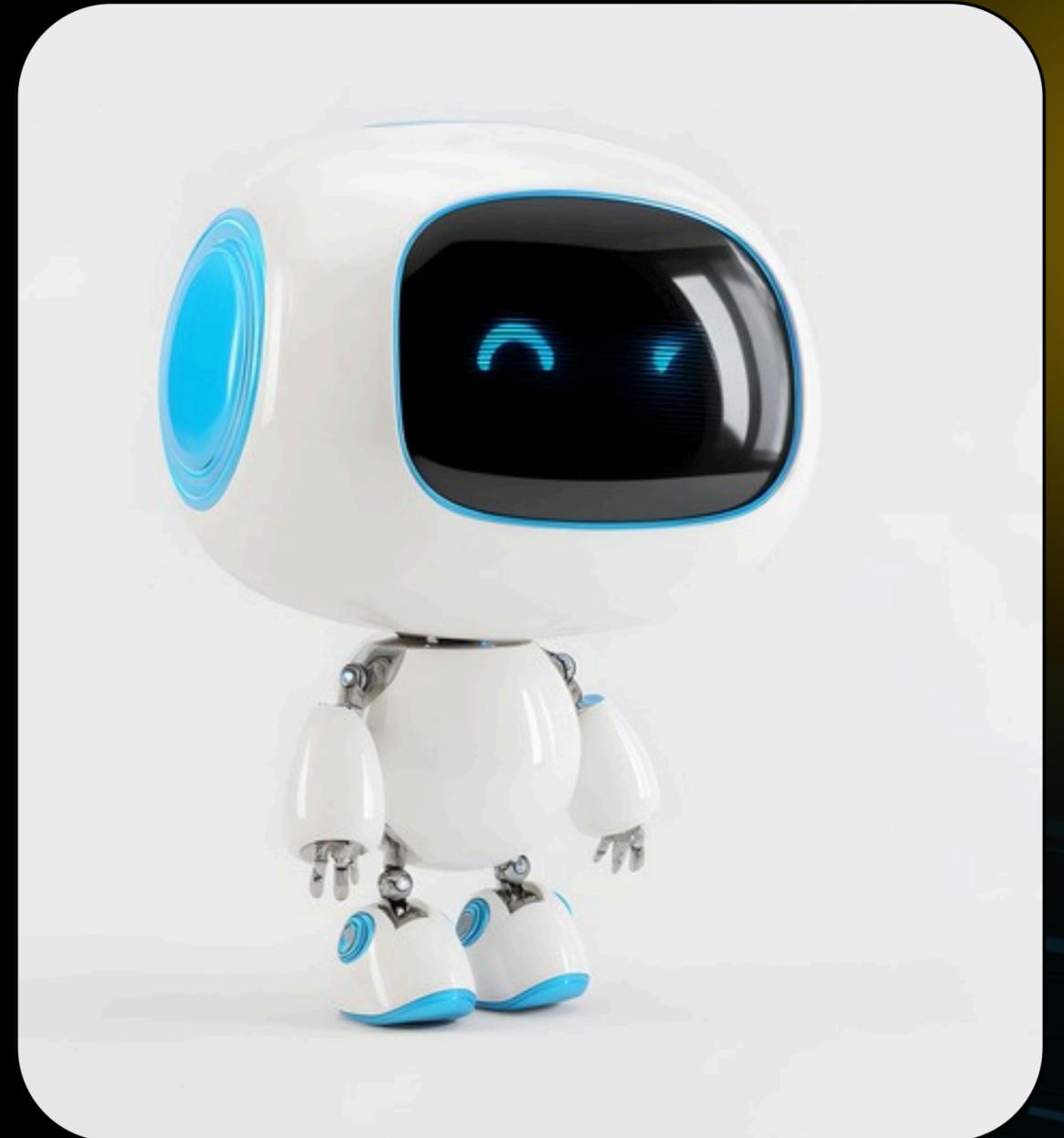
# GOOD CHAT

## WHAT IT DOES

- Provides a positive, judgment-free space for kids and adults to talk and learn Models healthy behavior with age-appropriate, encouraging dialogue
- Blocks harmful, dangerous, or life-threatening topics with strict safety guardrails

## WHY IT MATTERS

- Creates a trusted environment for emotional support and guidance
- Protects users from unsafe content and risky interactions
- Promotes responsible, ethical AI as a positive role model





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# Change AI™: POLICY AND GOVERNANCE AUTOMATION

## WHAT IT DOES

Uses AI to track, update, and manage compliance frameworks and policy changes automatically.

## WHY IT MATTERS

Reduces manual workload, ensures real-time compliance, and accelerates decision cycles.





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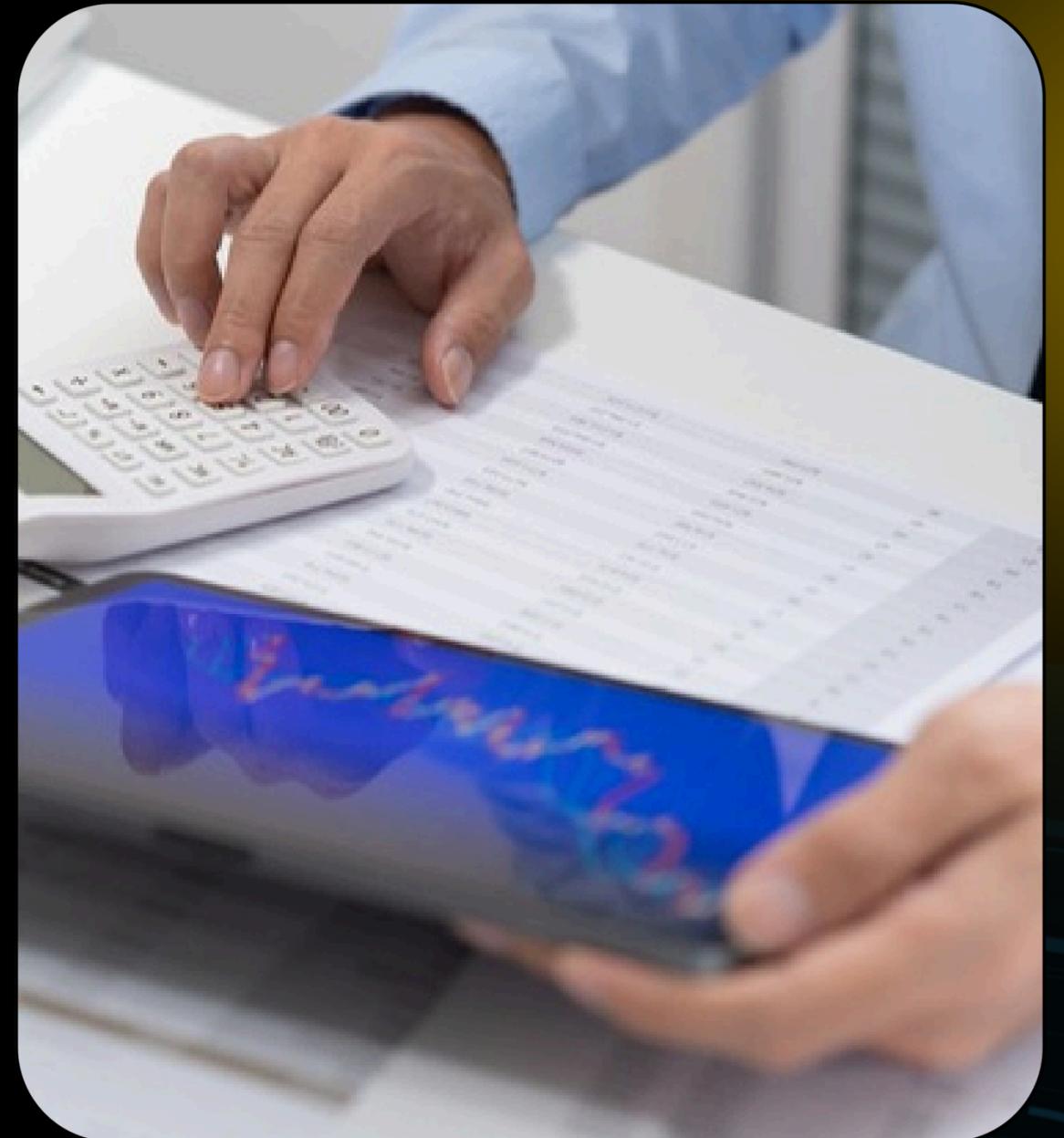
# Titan AI™: Intelligent Asset, Logistics, and Supply Chain Management

## WHAT IT DOES

Titan AI™ is a high-performance ecosystem that synchronizes physical logistics with digital intelligence to provide end-to-end supply chain visibility. It utilizes LLMs to automate document classification, track real-time asset lifecycles, and enable natural language querying of global inventories.

## WHY IT MATTERS

The platform is built for DoW and enterprise leaders managing high-consequence assets where equipment downtime is not an option. It serves procurement and logistics professionals who require audit-ready compliance and long-term strategic planning for mission-critical resources.





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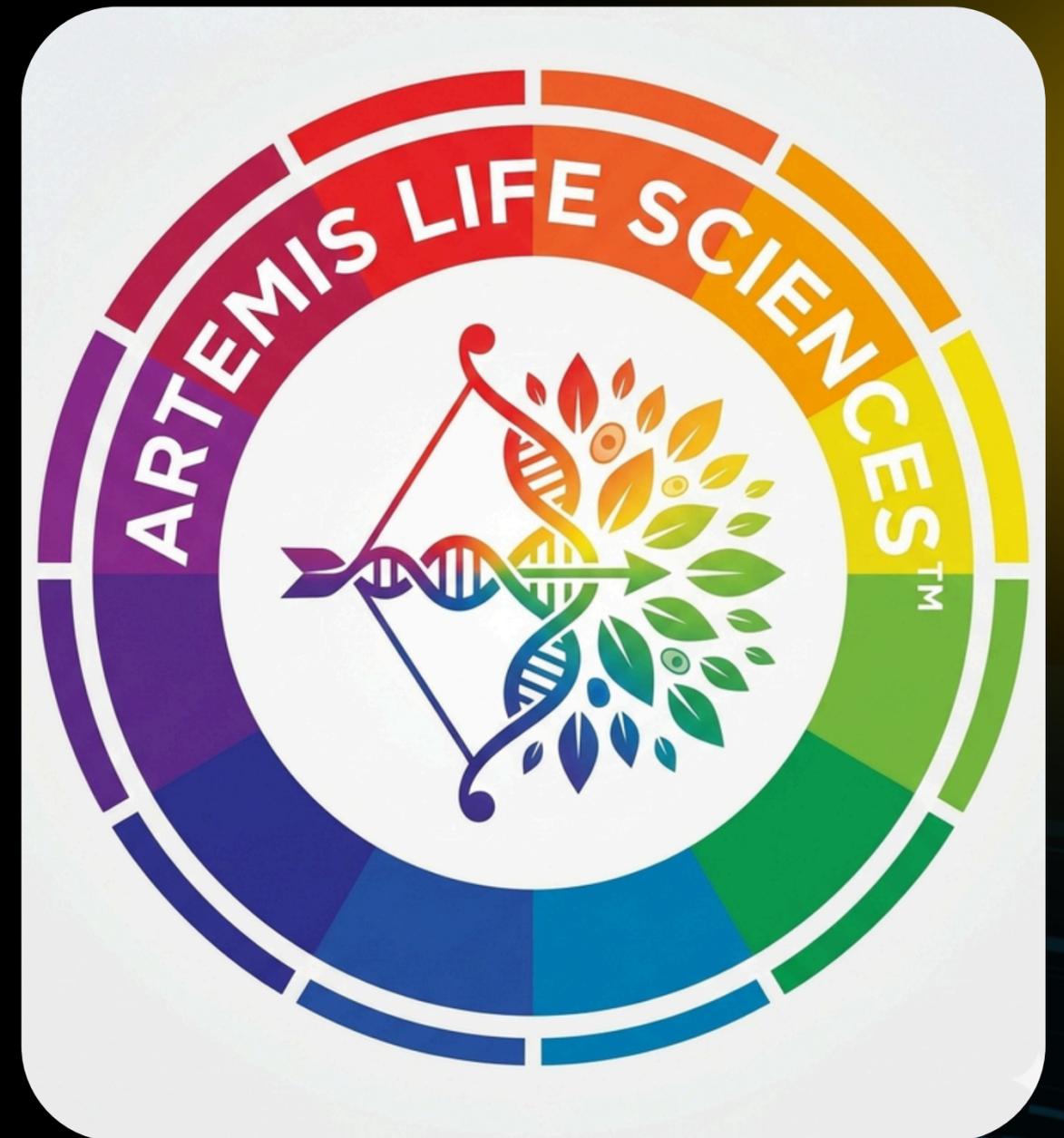
# Artemis Life Sciences™:

## WHAT IT DOES

An AI-centered, modular Electronic Medical Record (EMR) platform built around a stable core with optional department add-ons based on the needs of the users.

## WHO ITS FOR

- Multi-department clinics that need tailored workflows without buying a bloated enterprise suite
- Pediatric practices and children's hospitals
- Pediatric oncology programs with active research pipelines





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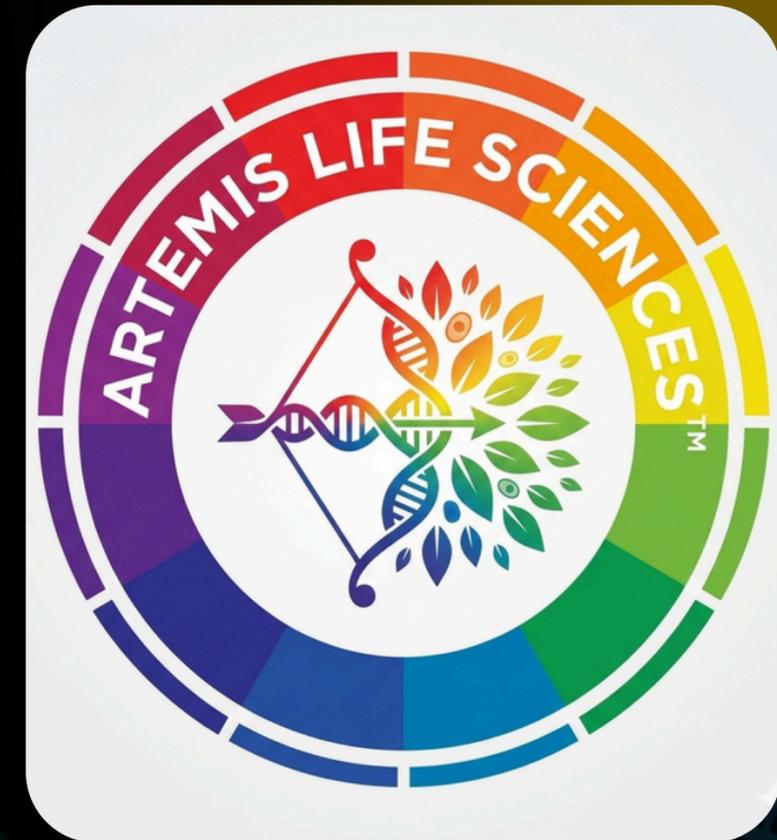
## Artemis Life Sciences™: ONCOSIM-AI: An Integrated Multi-Layer AI Framework

### WHAT IT DOES

- 6-Layer AI Pipeline: An end-to-end framework replacing every stage of animal testing with computational models.
- Precision Target Discovery: Uses Graph Neural Networks and AlphaFold2 to identify cancer targets in weeks, not years.
- Biological Digital Twins: Creates patient-specific 3D tumor simulations using biopsy genomics to predict real-world drug responses.
- Efficiency Gains: Designed to cut drug development costs by 60-80% and timelines by 70%.

### WHO ITS FOR

- Biopharma Leaders: Companies (e.g., AstraZeneca, Pfizer) seeking to eliminate the \$2.6B cost and 95% failure rate of animal-based R&D.
- Regulatory Partners: Agencies like the FDA and EMA looking for validated, AI-based data for drug submissions.
- Clinical Oncologists: Doctors requiring personalized data to select the most effective treatment for individual patients.
- Ethical Research Orgs: Institutions and the NIH focused on phasing out animal experimentation by 2035.





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## Raven AI™:

### WHAT IT DOES

Raven AI is an advanced C6ISR platform that fuses data from sensors and intelligence to provide a real-time Common Operating Picture for the modern battlespace. It leverages automated threat detection and cyber defense to accelerate decision-making and enable a rapid response to adversaries in all domains.

### WHO ITS FOR

This platform is engineered for Joint Command (JADC2) and elite tactical units requiring total situational awareness in high-stakes environments. It is the essential tool for intelligence analysts, cyber defense commands, and defense architects building the next generation of AI-first national security infrastructure.





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# NATURAL LANGUAGE UNDERSTANDING (NLU)

## WHAT IT DOES

Processes unstructured text and speech to derive meaning and intent.

## WHY IT MATTERS

Supports intelligent assistants and automated report analysis, improving communication and response speed.





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# COMPUTER VISION

## WHAT IT DOES

Analyzes imagery and video data to detect, classify, and track objects or events.

## WHY IT MATTERS

Improves situational awareness, safety monitoring, and threat identification.





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# PREDICTIVE ANALYTICS

## WHAT IT DOES

Uses data modeling and machine learning to forecast outcomes and identify risks.

## WHY IT MATTERS

Strengthens planning, readiness, and preventive action capabilities.





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# MLOPS LIFECYCLE MANAGEMENT

## WHAT IT DOES

MLOps Lifecycle Management applies machine learning automation across data preparation, model training, deployment, and continuous performance monitoring to ensure models remain accurate, resilient, and production-ready over time.

## WHY IT MATTERS

It ensures machine learning models remain accurate, reliable, and aligned with real-world conditions, which strengthens mission outcomes and reduces operational risk.





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# High-Performance Secure Foundation

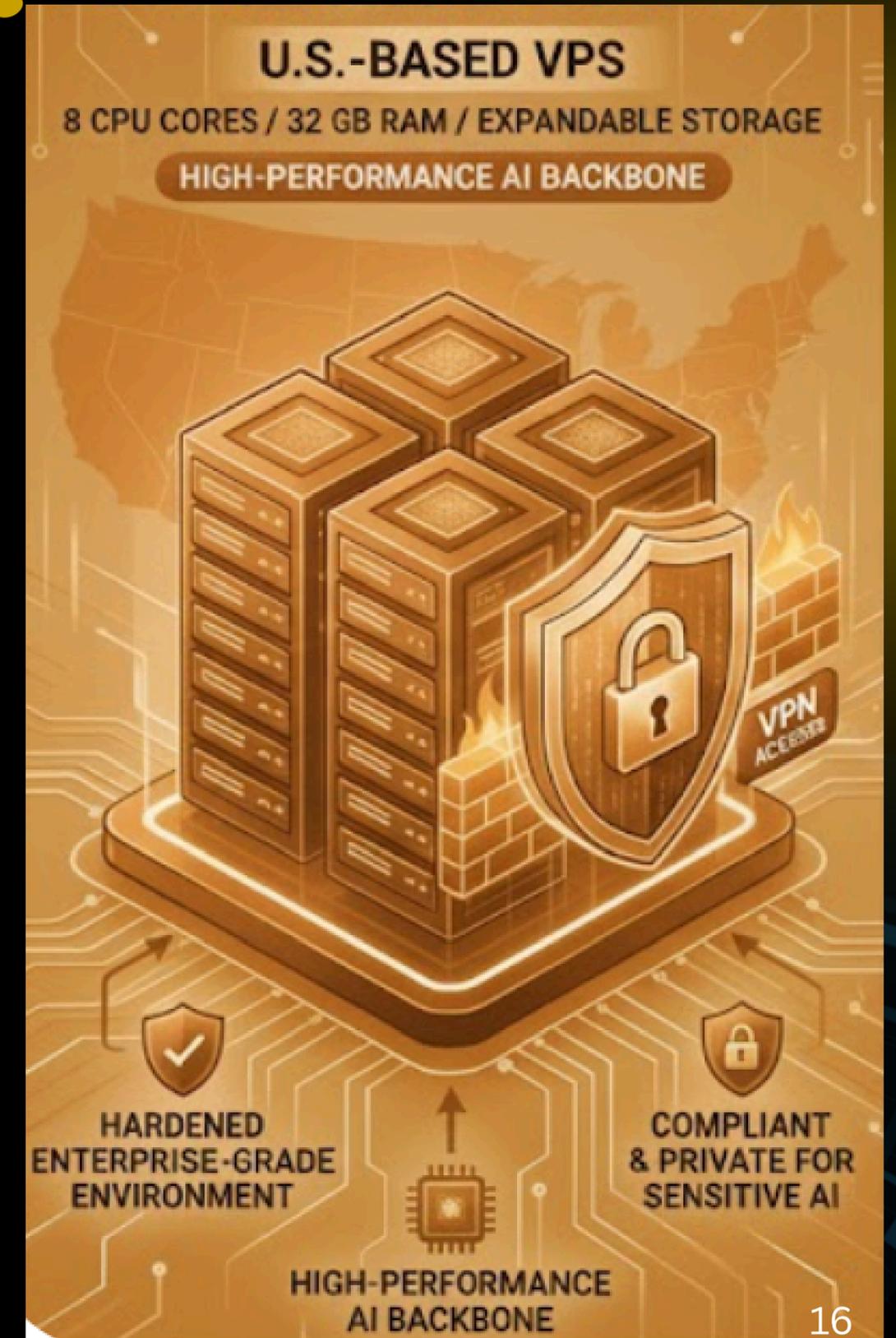
## The Backbone for Advanced AI and Emerging Tech

### The Coolify Product Platform

- Coolify is an enterprise-grade, self-hosted orchestration platform that serves as the "intelligent brain" of Platinum's environment. It provides cloud-like agility (similar to Heroku) while ensuring 100% data sovereignty on our private, U.S.-based hardware.
- Reduced Complexity: Simplifies the deployment of complex AI architectures while maintaining full control over the underlying infrastructure.

### The Core Coolify Advantage to Alpha X AI™ Infrastructure

- Powerful U.S.-Based VPS: High-performance backbone featuring 8 CPU cores and 32 GB of RAM with expandable storage.
- Hardened Security Posture: Enterprise-grade environment featuring layered firewalls, secure VPN access, and fully managed external protections.
- Turnkey AI Readiness: Eliminates the burden of hardware management and complex cloud configurations, providing a private, compliant foundation for sensitive AI workloads.





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# The Integrated AI Ecosystem

## Centralized Control and Enterprise-Grade Collaboration

### Self-Hosted Enterprise Services

- Dev Sec Ops Autonomy: Secure, self-hosted GitHub-style repositories and standalone PostgreSQL databases for complete data sovereignty.
- Interconnected Services: A highly adaptable ecosystem where shared services interconnect seamlessly across various AI applications.

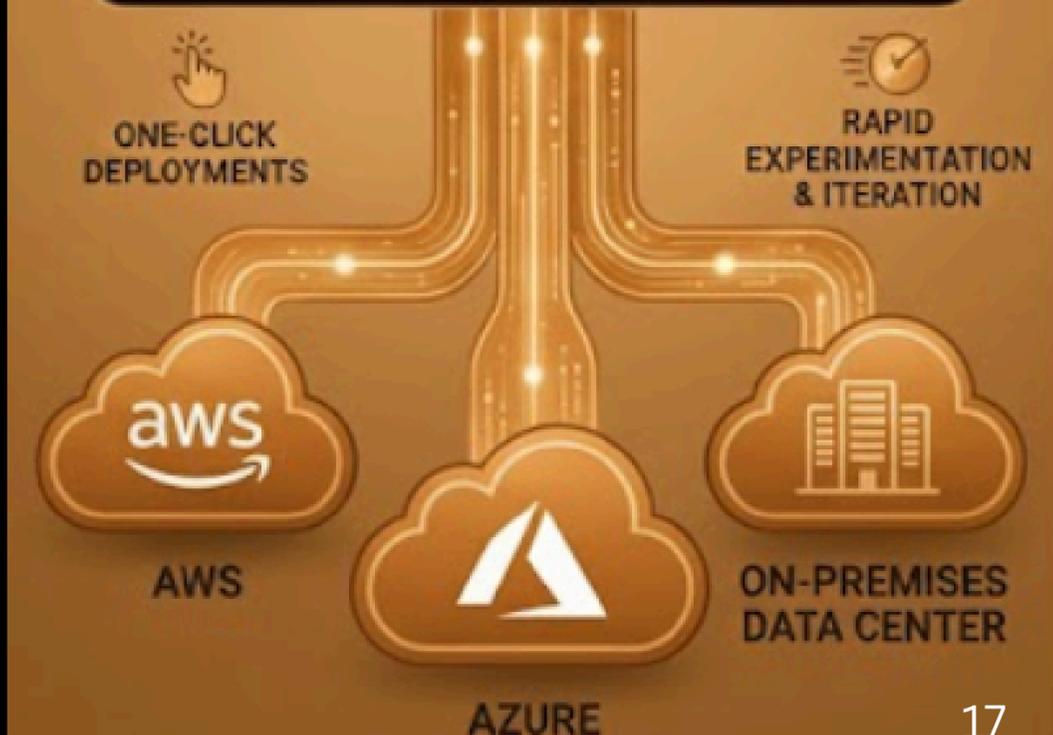
### Identity & Access Management

- Enterprise SSO: Built-in Keycloak integration providing Single Sign-On (SSO) with Azure AD.
- Cost-Effective Security: Delivers robust, enterprise-grade identity management without the burden of additional licensing costs.

### Collaborative Innovation

- National Reach: Empowers Platinum's distributed teams to collaborate securely on sensitive projects from any location.
- Full Infrastructure Control: Combines the ease of the cloud with the security and cost-predictability of a private, managed environment.

## MODULAR ARCHITECTURE & SEAMLESS HORIZONTAL SCALING



# THANK YOU

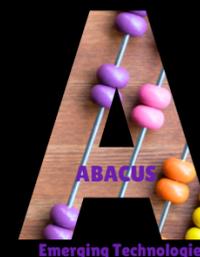
## CONTACT US

Alpha X AI™ stands ready to collaborate and deliver solutions that strengthen your mission and operational outcomes.



# Alpha X AI™

## Our Partners



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