

AI Pioneers Solution Brief

ARES, an Agentic Responder for Emergency Situations



Easy to Deploy
Scalable, Cost Effective
Designed for State and Federal
Reduced Emergency Coordination Delays

**ARES sees, thinks, and acts in real time.
Unifying all threats, responders, and data
into one intelligent response engine.**

What is ARES?

ARES combines NVIDIA's VILA vision-language model, NeMo™ Guardrails, and a NeMo™ powered RAG pipeline to detect threats, generate tailored response plans, and deliver unified dashboards to responders. Containerized and deployed on DGX servers with Kubernetes and FastAPI, it scales across crises while learning from past incidents.

Pain Points it Solves

Current emergency systems are fragmented, reactive, and slow, with valuable minutes lost to manual coordination and incomplete situational awareness. Agencies struggle with siloed tools, generic protocols, and limited visibility, which leads to delays, misinformed responders, and preventable losses.

Use Cases

ARES is an AI-powered emergency response platform that detects crises, analyzes real-time data and orchestrates coordinated action plans across multiple agencies. Built on NVIDIA Enterprise RAG pipeline blueprints and optimized for DGX systems, it enables governments, disaster response teams, and public safety organizations to respond faster and smarter to wildfires, floods, earthquakes and security threats.

Objective

ARES shortens the gap from detection to action by automating analysis and decision-making, giving responders instant, accurate intelligence. Unified standard operating procedures, maps, weather, and live predictions improve coordination, while NVIDIA blueprints and DGX performance ensure a reliable, evolving platform that saves lives and strengthens resilience.



ARES main objective is to save lives and get first responders to ground zero.

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Business Value



**Real Time
Insights**



**Unified Disaster
Response**



**Self
Improving**



**Collaborative
Platform**

Technology Used

NVIDIA Enterprise AI Stack

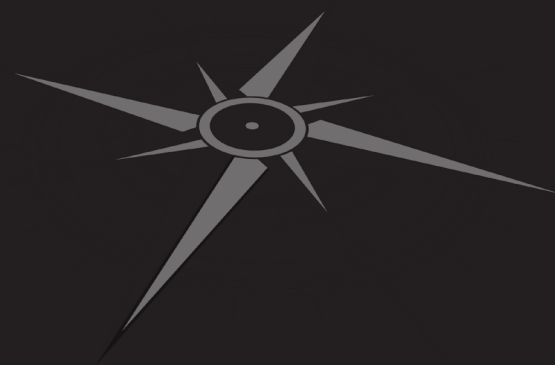
NVIDIA NeMo™ Retriever

NVIDIA NeMo™ Embedder

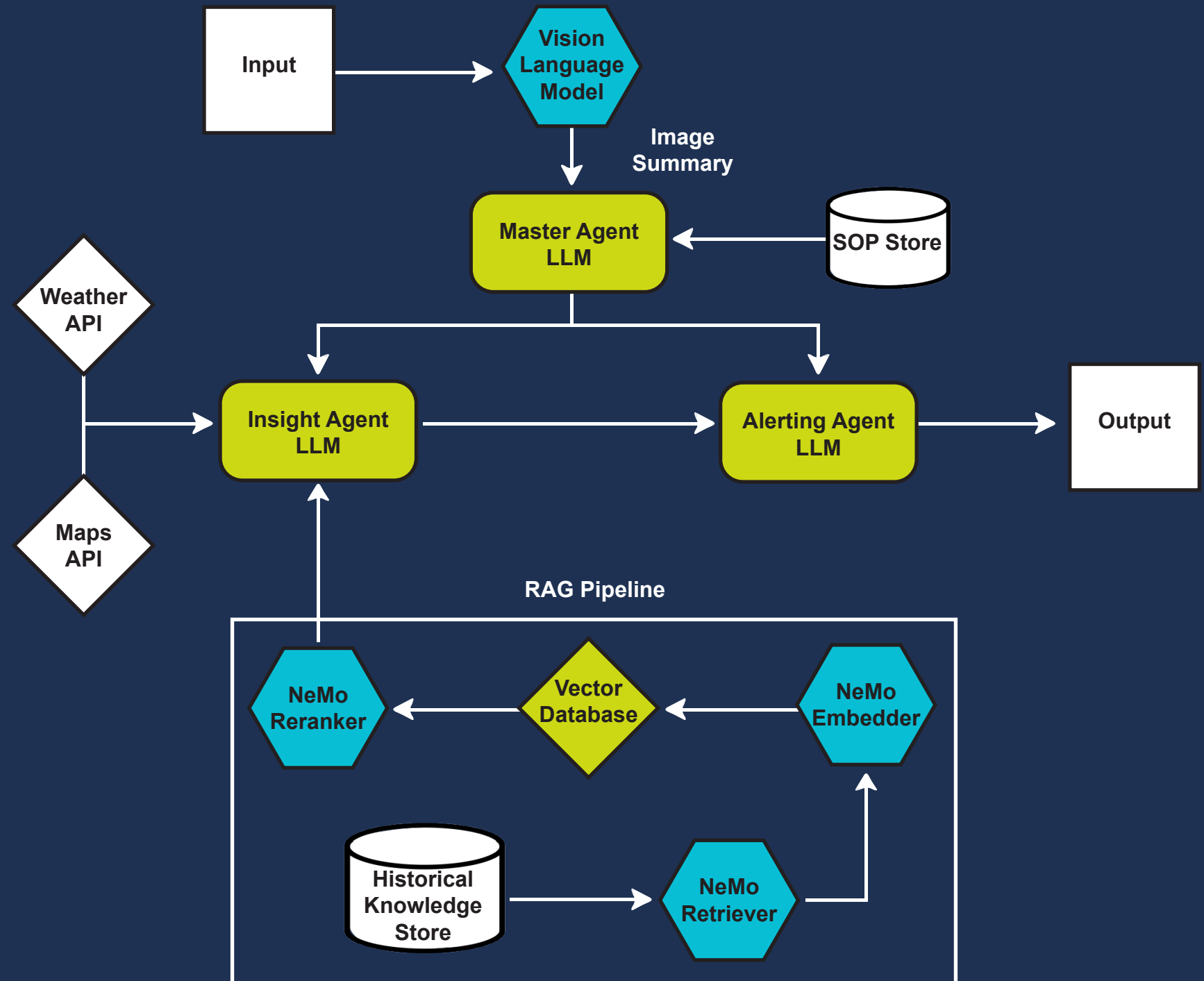
NVIDIA NeMo™ Reranker

DGX Systems Comparability

NVIDIA Open Source LLM Models



ARES Architecture



What is the Impact?

ARES is specifically designed for state and federal emergency services, disaster management units and homeland security operations.

ARES reduces coordination delays by enhancing situational awareness and saves lives through real-time decision making.

Where is the Market?

The global market has significantly expanded. Agentic AI tool spend is expected to grow from around \$10 B in 2025 to over \$40 B by 2030, with an annual compound growth rate exceeding 40%.

This growth signals continued greenfield opportunities for partners that can quickly up skill and bring credible vertically-aligned agentic AI offers to market.

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Implementing AI

Implementing AI doesn't just mean purchasing a standalone product - it means addressing infrastructure to support AI growth, deploying hybrid cloud solutions and services for much needed scalability and cost effectiveness, and prioritizing security to protect the commodity of AI - data.

Take AI to Market

Early movers benefit from larger, early-stage projects and the credibility that comes from initial wins.

The size and momentum of the space mean there is room for *fast followers* to build substantial practices, especially if these partners leverage existing market presence or specialized vertical expertise.



Why act now? Simple. Your competitors already have.

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The Destination AI® framework supports streamlined engagement for:

- Services augmentation for assessments and implementation support
- A pool of Technical AI and Edge Intelligence subject matter experts for support throughout the sales cycle
- Reference architectures and pre-validated, deployment-ready solutions tied to key Sales Plays
- AI solution demos and POC support
- 150+ AI Champion in North America and 20+ AI Pre-sales Champions.
- Enablement assets and resources aligned to industry relevant use cases to accelerate go-to-market strategies
- Ongoing enablement via AI Practice Builder and vertical education

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