






Real-Time Orchestration for Defence, Security, and Public Safety

The Vantiq Real-Time Orchestration Platform provides the infrastructure and tools for developing and deploying AI systems and applications, setting a new standard for defence. The platform seamlessly unifies diverse data sources, systems, AI models, and multi-agent systems to detect, interpret, and act on incidents as they unfold.

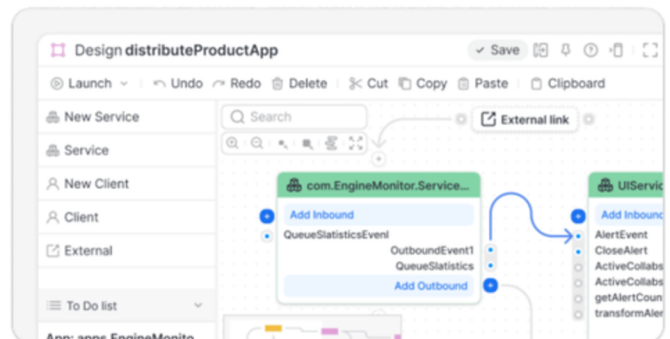
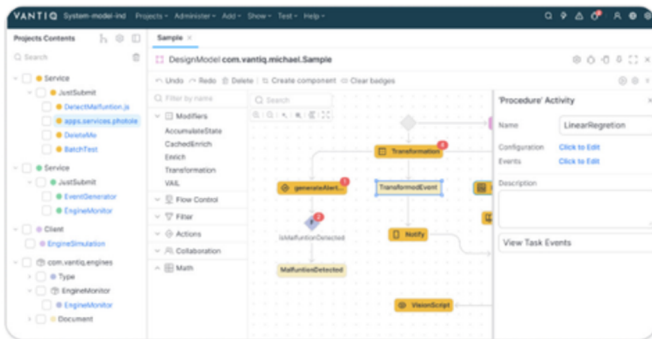


Through dynamic orchestration of systems and personnel, Vantiq ensures swift, coordinated responses, enhancing decision-making and operational efficiency. Built with unparalleled reliability and scalability, the Vantiq Real-Time Orchestration Platform stands out, enabling AI-powered solutions that are agile, future-ready, and tailored to the complex demands of modern defence operations.







Next-Generation Features

-  Orchestrates AI and multi-agent systems asynchronously
-  Event-driven, distributed and federated
-  Runs multiple AI models simultaneously
-  Patented technology to enhance AI trustworthiness
-  High velocity data in digital and physical environments
-  Automated GenAI prompting and learning in real-time

Simplify the Complex – From Idea to Production in Weeks



Primary Defence Use Cases

 <p>National-to-Individual Command & Control Real-time disaster management from national coordination down to individual responders.</p>	 <p>Healthcare & Personnel Health Monitoring AI-driven systems spanning hospital control centers, patient monitoring, and cognitive performance.</p>
 <p>Multi-Domain Command & Control AI-driven command, risk management, and execution across air and joint operations domains.</p>	 <p>Multi-Drone Command & Control Enabling individual operators to command multiple unmanned drones simultaneously in the field.</p>
 <p>AI Orchestration for Major Facilities Real-time orchestration for complex, large-scale facilities with demanding operational requirements.</p>	 <p>Border Security Unified integration of sensors, command systems, and response tools for large-scale border operations.</p>

Real-World Deployments



MILITARY RESPONSE TO DISASTERS (NTT DATA, D-RESILIO & VANTIQ)

Japan faces frequent natural disasters: earthquakes, typhoons, floods and landslides. This innovative system leverages advanced technologies to manage emergencies with precision and speed.

- **AI-driven threat analysis:** utilizes external sensing mechanisms, satellite imagery, vision AI, and sensors to analyze threats in real time
- **Adaptive response framework:** continuously adapts using GenAI and real-time data to coordinate effective evacuation strategies, ensuring municipalities can manage unpredictable crisis scenarios at scale



INTELLIGENT MILITARY READINESS & PERFORMANCE MONITORING SYSTEM (USAF, TRACKABLE HEALTH & VANTIQ)

Trackable Health uses the Vantiq platform to monitor Air Force pilots' health indicators, detecting issues early to maintain force readiness and improve long-term retention.

- **Comprehensive biometric monitoring:** Integration of commercial wearables with AI analysis to track vital health markers and generate real-time individual and unit readiness scores
- **Real-time orchestration:** Coordinates thousands of events instantly while seamlessly integrating data from Garmin, Whoop, and Oura

See how real-time orchestration and AI-driven automation can transform your defence operations.

Schedule a live demonstration and discover what's possible.

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