VANTIQ
Intelligent real-time platform

Next generation platform for intelligent applications

We've developed a groundbreaking architecture and platform that seamlessly integrates with enterprise systems, analyzing real-time data streams using AI, generative AI and agentic AI to provide situational awareness and transform data into actionable intelligence.

Vantiq is a patented software platform designed to create and orchestrate intelligent systems driven by Vantiq Agents—autonomous components capable of real-time decision-making and action. These systems respond dynamically to changing conditions or emerging issues, addressing scenarios ranging from everyday business optimization and improved customer outcomes to managing disasters and health crises.

By integrating technologies like generative AI, agentic AI, edge computing and IoT, Vantiq fills a critical need with agile development tools and a robust infrastructure. It empowers organizations to build applications that deliver rapid, intelligent responses in areas such as disaster management, healthcare and defense.
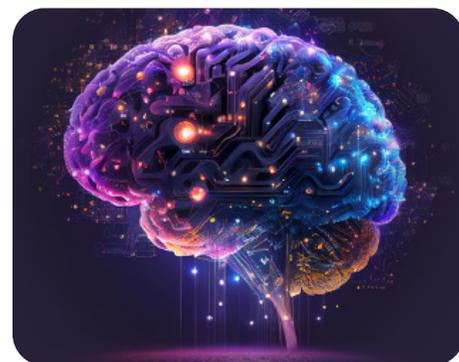
Vantiq enables a totally new generation of software – Intelligent systems

We make AI work. The Vantiq platform provides the essential capabilities to transform the latest AI advances into tangible business outcomes. Traditional software systems are limited – not distributed, no creativity, no intelligent collaboration.

Software systems built on the Vantiq platform are much more versatile and advanced – capable of handling complex, real-time data and providing intelligent response and assistance.

Imagine the future

Digital systems will detect events, contextualize them with knowledge and orchestrate actions. Imagine a city alerting first responders to a car crash or a hospital delivering insights to treat a patient at risk.

From vsion to reality

This is possible now. Industries can have specialized AI agents that understand domain nuances, are situationally aware and collaborate with humans for real-time decision making.

Pre-Intelligent

Limited
- Not Distributed
- No Creativity
- No Intelligent Collaboration

SaaS Code

Cloud Database

Vantiq Intelligent Applications

Intelligent
- Creative
- Manage the Unforeseen

Real Time
- Video, GPS...
- Run Where Needed

Avatar (Intelligent Assistance)
- Get Advice
- Converse

Orchestrate
- Activities
- Humans
- Learn

Database Anywhere
- Personal
- LLM & RAG
- Learn

SAMPLE USE CASES

- Enhanced Emergency Response
- Clinical Decision Support
- Real-time Anomaly Detection
- Adaptive Process Optimization
- Automated Field Service

- Battlefield Decision-Making
- Vital Sign Monitoring
- Intelligent Surveillance
- Dynamic Traffic Management
- Disaster Response & Evacuation

"The opportunities for innovation and disruption with AI have never been higher. We are on the precipice of a wave of transformation that is, quite literally, going to reinvent our world."

– Martin Sprinzen, Vantiq CEO

Unmatched patented platform

Reliability → Patented technology ensures systems perform when it matters most

Scalability → Grows with your needs—without hidden costs

Agility → Rapid development and innovation, driving lower costs and faster results

**Trustworthy** → Patented technology to dramatically reduce hallucinations

Security → Your data, your environment—always under your control

Adaptability → Workflows tailored to your evolving systems, people and processes

VANTIQ GENERATIVE AI ARCHITECTURE
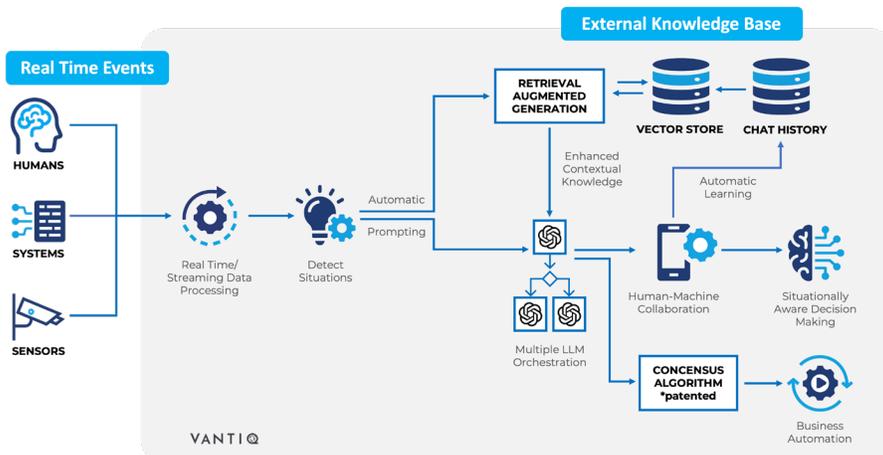
As data flows from humans, external systems and sensors, the Vantiq platform performs real-time stream processing to detect situations of interest. Once detected, it automatically creates prompts. Using retrieval augmented generation (RAG) the system can fuse additional company or domain specific knowledge, such as documentation or private data.

Vantiq uses multiple Large Language Models (LLMs) including small, private and domain specific variations, depending on the situation. Vantiq's patented voting algorithm can be used to ensure trustworthiness of results. By enabling situationally aware and reliable generative AI interactions, Vantiq applications can automatically make decisions and take action or make recommendations to humans, achieving previously unattainable level of automation.

Unlock the future of intelligent automation with Vantiq

The Vantiq platform is a groundbreaking solution that transforms how businesses operate by seamlessly integrating real-time data processing, AI and generative AI. It provides unparalleled capabilities for detecting situations of interest, automating responses, and making intelligent decisions across diverse environments. With its flexible deployment options, advanced security features and ability to incorporate domain-specific knowledge, Vantiq ensures reliable and situationally aware operations.

From enhancing customer experiences and optimizing business processes to managing critical incidents and automating complex time-sensitive orchestration, the Vantiq platform empowers organizations to achieve a new level of operational excellence. Embrace the future of intelligent automation with Vantiq and unlock the full potential of your business.

Vantiq stands at the forefront of technological innovation, drawing from over a century of experience to revolutionize software automation with Generative AI. With our patented Intelligent Platform, we empower organizations to swiftly create real-time smart applications for modern challenges from everyday business optimization, improving customer outcomes and managing disasters and health crisis. By automating intelligent decision-making based on situational awareness, our platform facilitates rapid response and proactive interventions enhancing safety, resilience and sustainability globally. Committed to using AI as a transformative force for good, Vantiq is passionately dedicated to creating a world that is safer, smarter and more sustainable. Learn more at www.vantiq.com.