

# Real-Time Orchestration for Smart Cities

Vantiq's real-time orchestration platform provides the infrastructure and tools for developing and deploying AI-powered systems and applications, setting a new standard for smart cities innovation. It seamlessly unifies diverse data sources, systems, IoT and AI technologies to detect, interpret, and take action as events unfold.

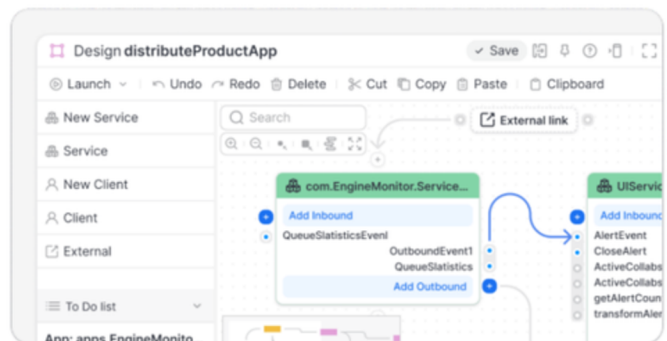
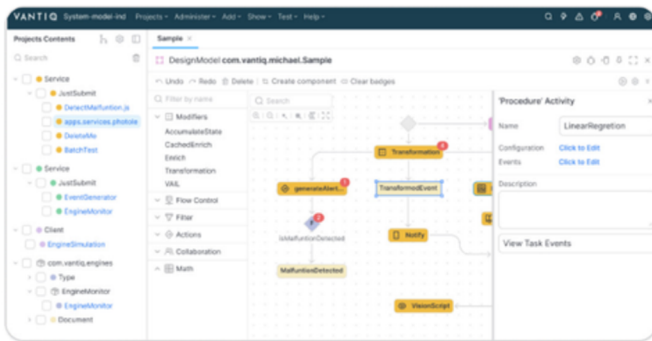
Through event-driven orchestration of systems and people, Vantiq ensures swift, coordinated actions, enhancing decision-making and operational efficiency. Built with unparalleled reliability and scalability, the Vantiq platform enables solutions that are agile, future-ready and tailored to the complex demands of modern cities.



## 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



### Why Choose Vantiq?



#### Mission-Critical Systems

Engineered for reliability, security, and massive scale



#### Beyond Models and Agents

Orchestrate AI, data, systems, devices, workflows, humans



#### Real-Time, Event-Driven

Vantiq takes appropriate action the instant things happen



#### Build AI Apps Faster

Accelerate AI application development by up to 90%



#### Dynamically Adapts

Based on live context, signals, triggers across edge and cloud



#### Runs Anywhere

Vantiq logic can be distributed where needed – Anywhere!

### Real-World Deployments



#### WORLD-RENOWNED SMART CITY (NEC, KAFD & VANTIQ)

NEC is building an advanced safety and security system for a smart city near Riyadh, leveraging cutting-edge AI-powered technologies.

- **AI-enabled surveillance:** 11,000 cameras with facial recognition, object tracking, and people tracking to detect threats and locate missing persons in real time.
- **Integrated security management:** Vantiq's platform orchestrates multiple systems ensuring situational awareness and proactive security management through sensors, AI, and crowd monitoring tools.



#### ADVANCED DISASTER MANAGEMENT SYSTEM (NTT DATA, D-RESILIO & VANTIQ)

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

- **AI-driven threat analysis:** External sensing mechanisms, satellite imagery, vision AI, and sensors analyze threats in real time.
- **Adaptive response framework:** Continuously adapts using GenAI and real-time data to coordinate effective evacuation strategies at scale.

See how real-time orchestration and AI-driven automation can transform your smart city.

Schedule a live demonstration and discover what's possible.

Visit [www.vantiq.com](http://www.vantiq.com)

