

Real-Time Disaster Resilience for Japan

NTT Data built D-Resilio, a digital disaster resilience platform that helps Japanese municipalities, agencies, and enterprises respond faster to typhoons, earthquakes, and extreme weather. Powered by the Vantiq AI orchestration platform, D-Resilio turns live sensor data, weather forecasts, and infrastructure status into the real-time intelligence emergency responders need to act.

Coordinated Disaster Response in Real Time

Using the Vantiq platform, NTT Data deployed a system that processes live data from IoT sensors, weather feeds, and social media, coordinates AI agents and human responders, and surfaces clear guidance to decision-makers as events unfold.

Responders see what is happening sooner, and act on it faster.



Key Results

Real-time

Disaster intelligence from live data

Nationwide

Deployed across Japan

Multi-agent

AI, human, and autonomous coordination

Why NTT Data Chose Vantiq

Built for real-time orchestration

Vantiq's event-driven architecture processes high-velocity data from sensors, satellites, and emergency networks the moment it arrives, removing the delays that cost lives in a disaster.

Designed for multi-agent coordination

Vantiq orchestrates human responders, AI agents, and autonomous systems in one platform, so decisions and actions stay in sync as conditions change.

Integrates with existing infrastructure

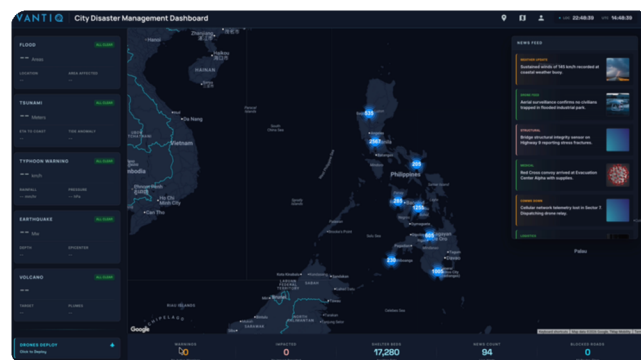
Vantiq connects with emergency response networks, smart cities, energy grids, and municipal IT systems, enabling broad adoption without ripping out what already works.

"Without Vantiq's real-time intelligence and event-driven automation, D-Resilio would not have been possible."

—Executive, NTT Data

About NTT Data

NTT Data is a global IT services and consulting firm that helps governments and enterprises modernize critical operations. D-Resilio is its disaster resilience platform, built to bring real-time intelligence, AI, and multi-agent orchestration to emergency response across Japan and beyond.



The Challenge

Japan faces a rising wave of natural disasters, and traditional emergency management systems were not built to keep up. Sensor data, weather feeds, and infrastructure reports arrive faster than humans can analyze them, while static dashboards and delayed reporting force responders to act on stale information. In life-or-death scenarios, that lag is the difference between containing an event and being overrun by it.

Key Solution Capabilities

Instant Disaster Intelligence

Vantiq processes weather data, IoT sensor feeds, social media, and infrastructure reports the moment they arrive, giving responders a live picture of conditions on the ground.



Multi-Agent Orchestration

The platform coordinates human responders, AI agents, and autonomous systems in one workflow, so decisions and actions stay in sync as the situation changes.



AI-Powered Situational Awareness

Vantiq filters and ranks incoming alerts so responders focus on the events that matter most, instead of drowning in noise.



Seamless Infrastructure Integration

D-Resilio connects with smart cities, energy grids, hospitals, and logistics networks, extending real-time resilience across every system a disaster touches.



Built for What Comes Next

D-Resilio is already in production with Japanese municipalities, emergency response agencies, and critical infrastructure operators in energy, utilities, healthcare, and insurance. NTT Data is now extending the platform beyond Tokyo, with applications in global disaster response, insurance risk assessment, and industrial resilience.

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

Schedule a live demonstration and discover what's possible.

Visit www.vantiq.com