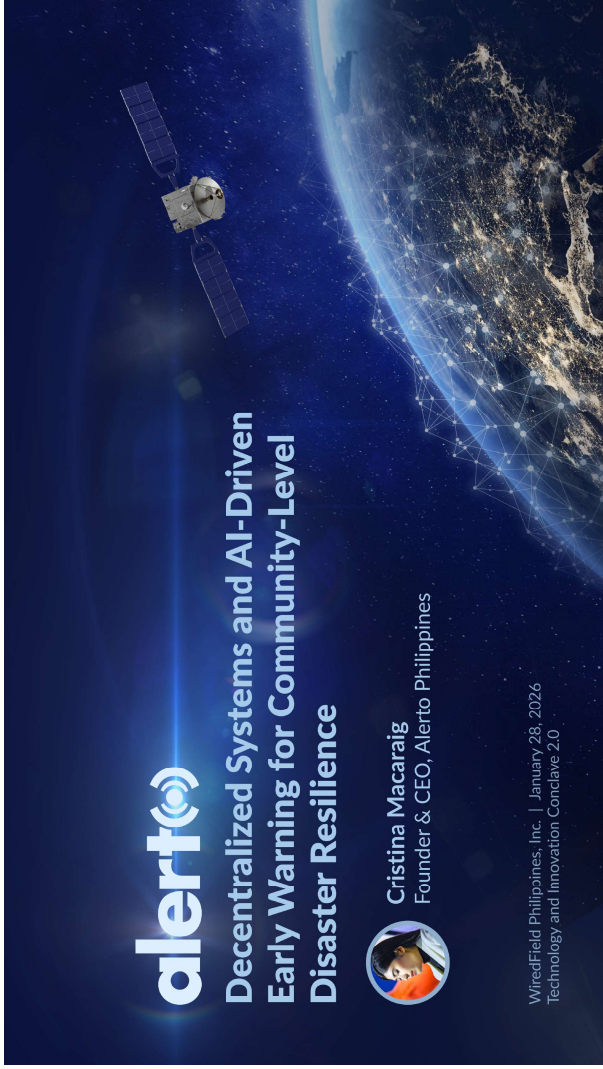




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**Decentralized Systems and AI-Driven
Early Warning for Community-Level
Disaster Resilience**

 **Cristina Macaraig**
Founder & CEO, Alerto Philippines

WiredField Philippines, Inc. | January 28, 2026
Technology and Innovation Conclave 2.0



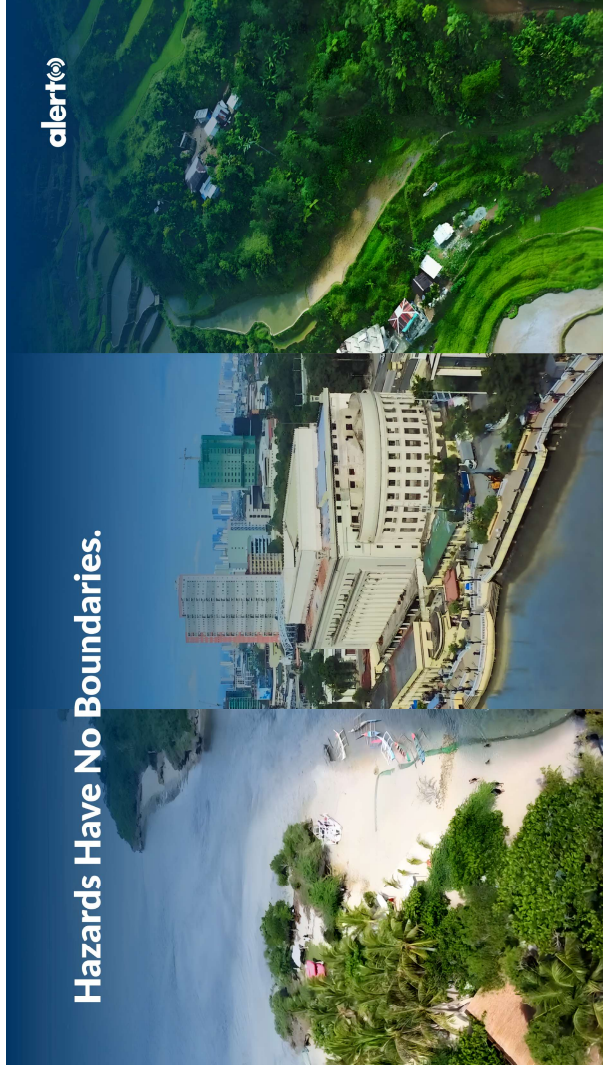
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The Most Disaster-Prone Country in the World

Philippines
#1 World Risk Index 2024

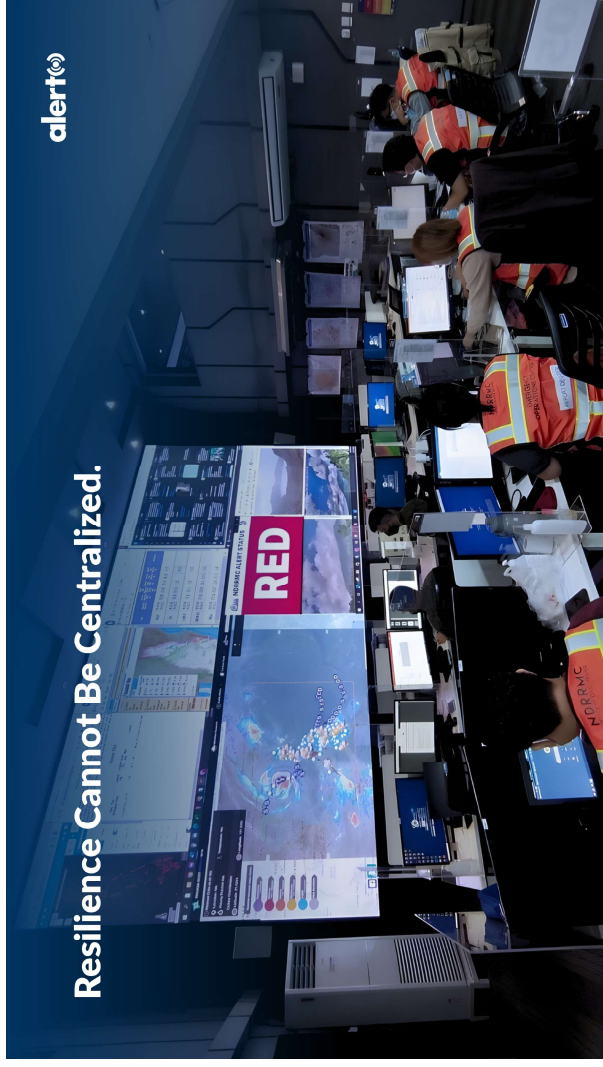
Source: 2024 World Risk Index Report

Hazards Have No Boundaries.



alert

Resilience Cannot Be Centralized.



alert

Resilience Starts at Home.

alert

Homes and businesses remain exposed to emerging threats and hazards.

alert

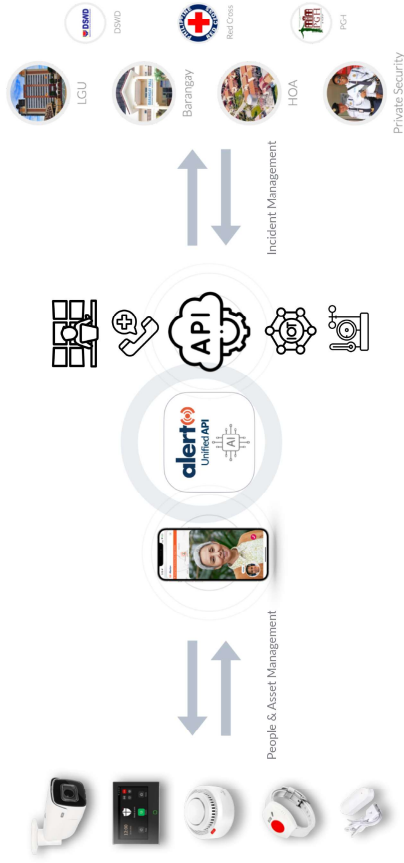
From extreme weather events to cascading social and economic impacts, climate-related hazards continue to place families, employees, and hard-earned assets at risk.

Source: FEMA, PSA

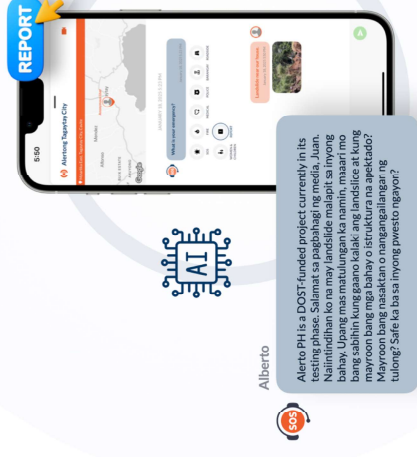


Alerto™ Connects IoT Alerts to Emergency Response.

For Proactive Emergency Response and Disaster Risk Management



Monitoring Reports 24/7.



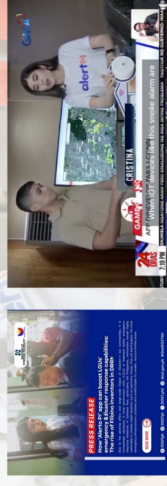
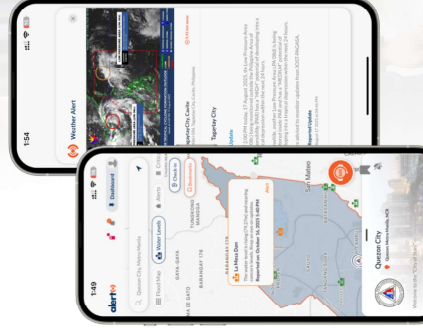
- ✓ Monitors and responds to incoming incident reports 24/7.
- ✓ Analyzes messages and images to understand context and severity.
- ✓ Automatically fills in key incident details such as urgency and type of emergency.
- ✓ Flags possible prank reports through conversational analysis.
- ✓ Recommends appropriate response actions based on its knowledge base.

Alberto From Detection to Prevention.



- ✓ Monitors IoT devices and interprets sensor data to detect incidents and filter out false alarms.
- ✓ Tracks battery levels and automatically reminds users when it's time for a replacement.
- ✓ Detects tampered or malfunctioning devices and notifies users to fix or reconnect them.

Real-time safety without dialing 911, now available in pilot barangays in Quezon City.

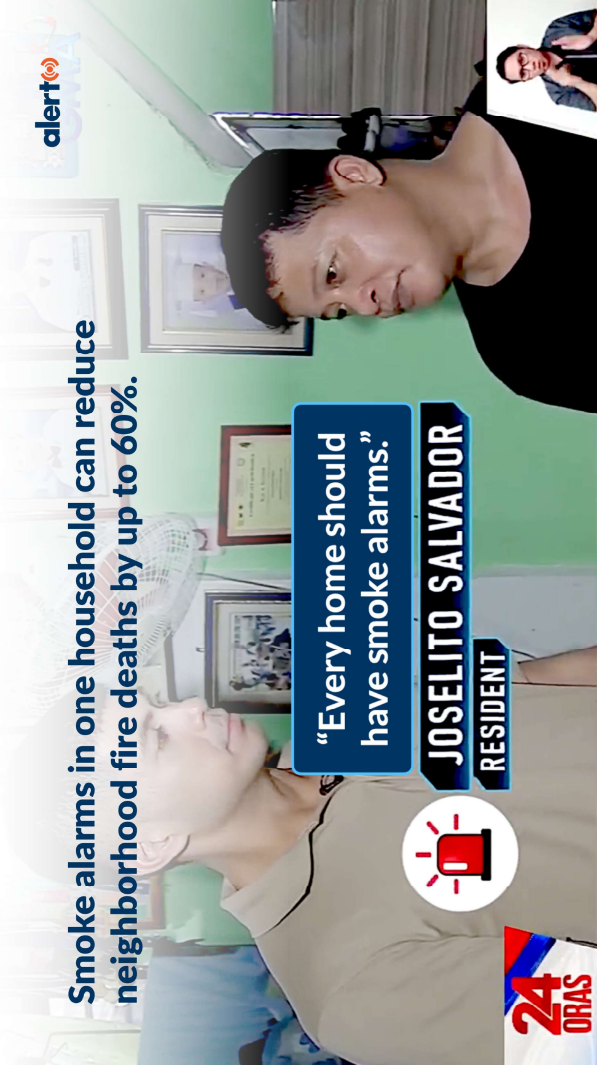


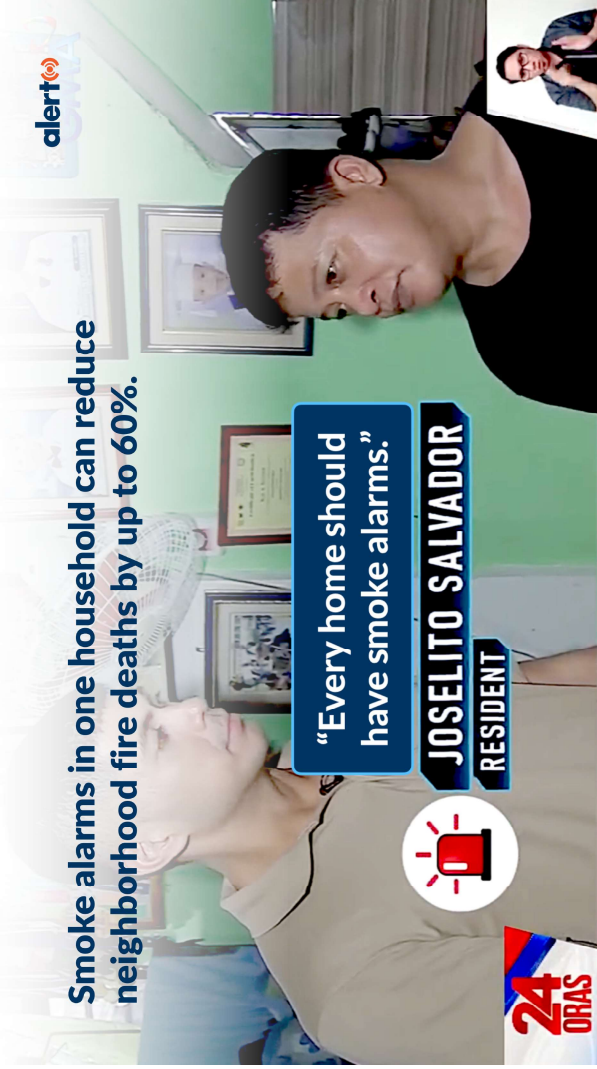
Smoke alarms in one household can reduce neighborhood fire deaths by up to 60%.

“Every home should have smoke alarms.”

JOSELITO SALVADOR

RESIDENT





Geospatial AI

Anonymous User

FIRE

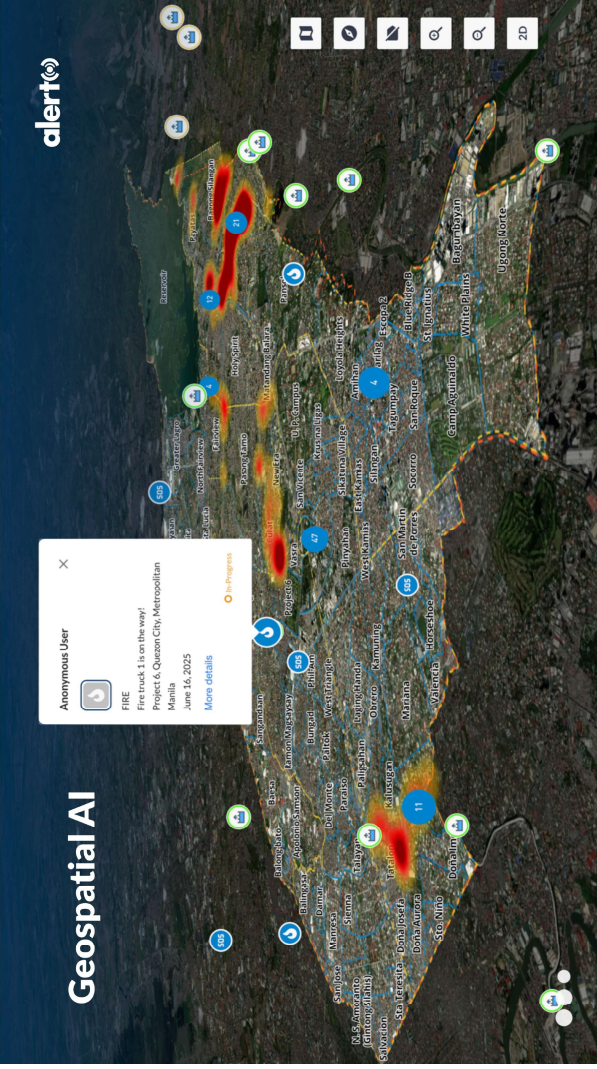
Fire Truck 1 is on the way!

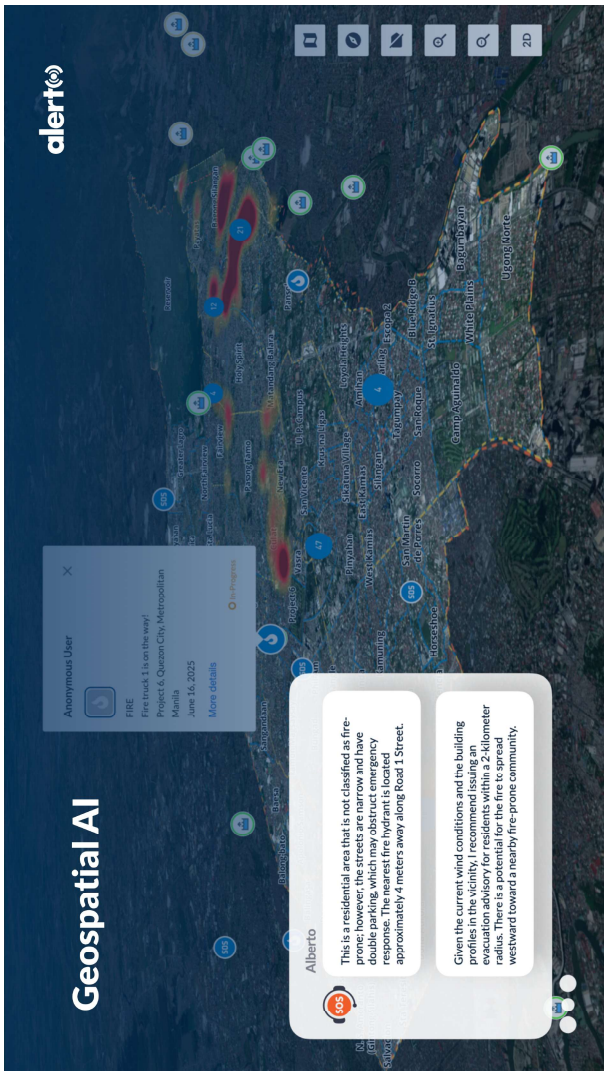
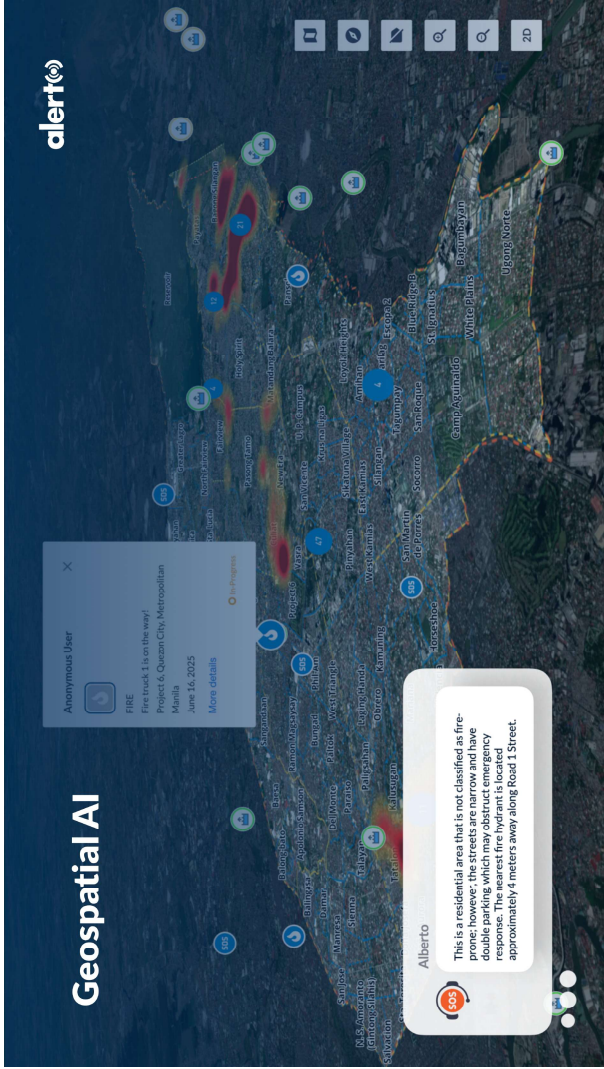
Protest & Queen City Metropolitan

June 16, 2025

More details

On Progress





Real-Time Ground Truth Monitoring

alert

Metro Manila

25 km
Regional

≤ 1 km
Community

Hyperlocal Climate
Forecast and Nowcasting

alert





WiredField Philippines, Inc.

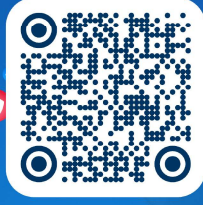
**Safer Communities Before, During, and After
Emergencies and Disasters.**



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