HARBOR

Personal Resilience Intelligence

LuMay AI | Everything AI. One Platform.

2026 Disaster Conference
Houston, TX · Oct 14–15



CASE STUDY

From official warning to a personal action plan

How AI can turn a broad flash-flood warning into private, route-level guidance for the people, homes and routes that matter most.

CASE STUDY DISCLOSURE

“AI can enhance your Use Case and elevate your response capabilities.”

1 The warning

Anofficial flash-flood warning covers a wide area. With the homeowner's opt-in consent, Harbor monitors a saved home, a family safety circle and a routine route.

2 Local assessment

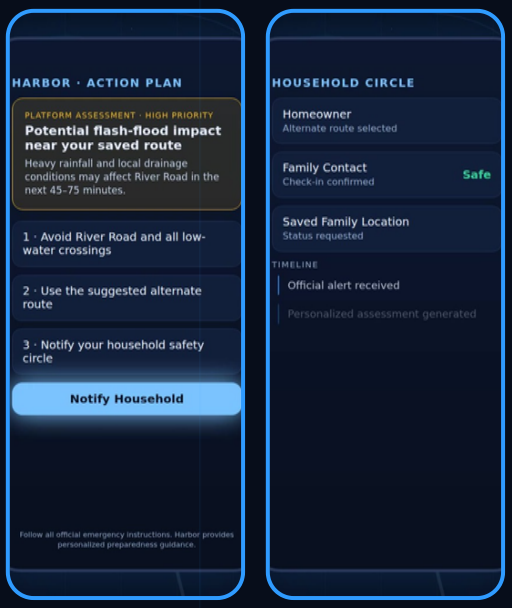
Public weather, rainfall,stream-gauge, flood-hazard and road-status signals combine with terrain and drainage. The home sits outside the strongest impact zone, but the usual route crosses a low-water crossing.

3 Action priority

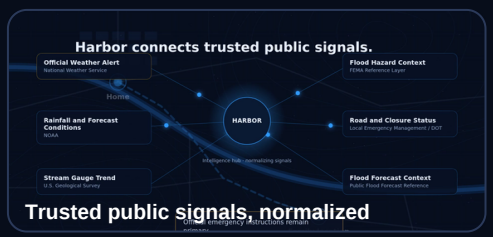
Hazardsignal × local geography × personal exposure = High Priority. Route disruption likely within 45–75 minutes. Confidence: Medium. A platform prediction, not an official evacuation order.

4 Coordinated response

AvoidRiver Road,use the suggested alternate route, notify the household. Confirmed outcomes feed permissioned local calibration.



Harbor mobile: action plan and household check-in



Trusted public signals, normalized



Explainable risk engine

Official instructions come first. Harbor labels official alerts, platform assessments and preparedness recommendations separately, and works only with user consent.

Illustrative scenario using a fictional neighborhood and simulated data. Harbor provides personalized preparedness guidance and does not replace official emergency instructions, public agencies or first responders. Follow all official emergency instructions. Source names (NWS, NOAA, USGS, FEMA, DOT) are shown as plain-text attribution only.

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Governed AI Agents for Emergency Management Technology & Software

LuMay help steams build,deploy and govern secure AI agents that automate workflows and connect existing systems, live in weeks, not months.

01
Search & rescue tools and first responder equipment
Voice and workflow agents for 24/7 intake, routing and follow-ups, connected to your responder and asset data systems.

02
Flood, hurricane, wildfire and storm-response innovations
Forecasting and Insight agents that turn hazard and operations data into decision-ready briefings.

03
Energy, utilities and critical infrastructure
Anomaly agents and governed workflows that flag irregular patterns, with approvals and an audit trail.

04
Temporary housing, shelters and logistics support
Workflow-automation agents for capacity tracking, requests, approvals and supply coordination across teams.

05
Drones, robotics and data-driven emergency mapping
Integration and retrieval (RAG) services that bring imagery, sensor and map data into grounded, explainable insight.

SOC 2 Type II & ISO 27001
Certified, security-first design

Human in the loop
Approvals, access controls, audit

Deploy anywhere
SaaS, private cloud, hybrid, on-prem

Weeks, not months
From first workflow to production

LuMay agents: Insight · Forecasting · Anomaly · Workflow Automation · Voice · Custom

Services: AI Agent Development · RAG · AI Integration · AI Automation

See what an AI agent can do for your response workflows

LuMay's sales team is ready to assist with any inquiries.

+1 (302) 310-1745 · Get in touch → www.lumay.ai/contact

Book a Meeting

Illustrative applications of LuMay's agent platform to the software, data and communications layers of emergency-management work. Scope, availability and results are confirmed per engagement. Pictured visuals are from the Harbor case study (front).