



CALABARZON, PHILIPPINES

A photograph showing a group of school children in uniform (white shirts and dark pants) holding umbrellas and walking through a street during heavy rain. One child is shirtless. The background shows buildings and a yellow utility box.

In **2024**, Typhoon Kristine brought heavy rains across CALABARZON, causing class suspensions in 42 municipalities and affecting over **500,000 students**.

(DepEd & PAGASA CALABARZON, 2024)

A black and white photograph showing a group of school children in uniform walking through a flooded street. They are carrying backpacks and some have umbrellas. The water reaches their knees, and they are moving towards the right side of the frame.

DISASTER DISRUPTIONS AND DELAYED DECISIONS

In CALABARZON, class suspensions due to floods and landslides are often announced **less than two hours** before school begins, causing widespread disruption to learning continuity.

Despite a **42% rise in disaster preparedness** since 2017, the Philippines still faces critical gaps in material readiness and social support, leaving communities **vulnerable to late and reactive decisions** during extreme weather events

- HARVARD HUMANITARIAN INITIATIVE (2024)

**CONNECTED
PRIVATE
RELIABLE**

A screenshot of the ALERTO Weather Monitoring application displayed on a laptop screen and a mobile phone. The interface is clean and modern, with a white background and light gray accents. The top navigation bar includes the ALERTO logo, a bell icon, and user information for "Governor - Batangas" and "Paul Alcaraz, Batangas".

Weather Monitoring

Real-time weather conditions and forecasting across Batangas Province

Last updated: 9:59:17 PM

Currently viewing weather for **Agoncillo** (Auto-detected from your location)

34 Cities/Municipalities Monitored

33 Classes Ongoing Normal Operations

1 Suspensions Active Weather Related

45 Community Reports Last 24 Hours

Temperature: **26°C** Feels like 27°C

Humidity: **85%** Very High

Heat Index: **28°C** Caution

Wind Speed: **10 km/h** Light

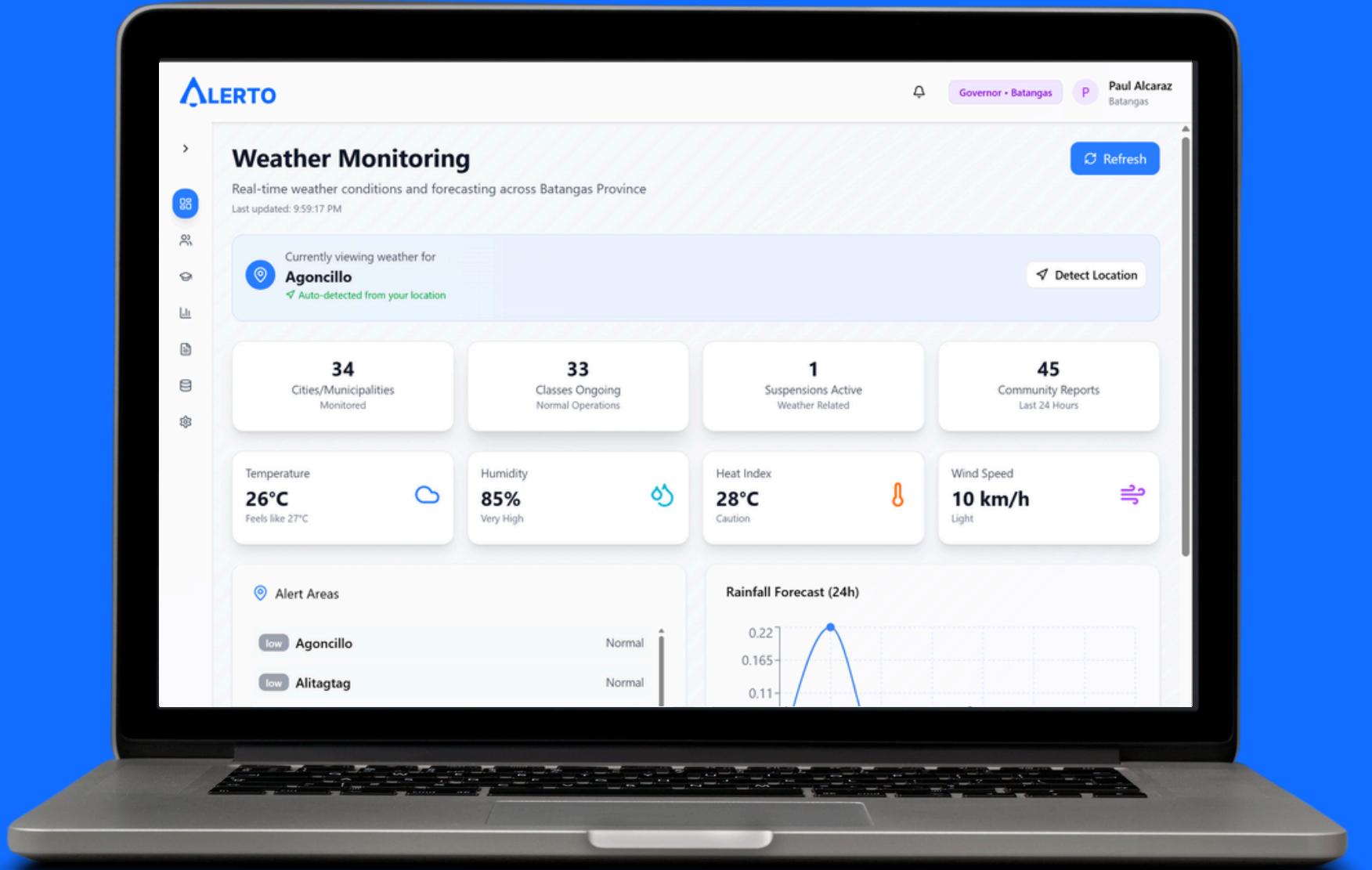
Alert Areas

- Agoncillo** (Low)
- Alitagtag** (Low)

Rainfall Forecast (24h)

A line graph showing rainfall forecast for the next 24 hours. The Y-axis ranges from 0.11 to 0.22. The X-axis shows time intervals. The graph shows a peak at approximately 0.22 around 6 hours, followed by a decline and then a steady baseline.

The mobile phone screen shows the same dashboard, with a sidebar menu on the left containing options: Dashboard, Community, Suspensions, Analytics, Reports, Test Data, and Settings. The "Community" option is currently selected.



PRODUCT

1

Real-Time Data Monitoring



2

Class Suspension
Advisory System

3

Crowdsourced
Incident Reporting



4

AI-Powered Report
Validation & Analytics

5

Real-Time Data
Dashboard



HOW IT WORKS

01

COMMUNITY USERS

Submit reports, get alerts, view class suspensions.

02

AI BACKEND

Validates, analyzes, ensures real-time accuracy.

03

MAYORS

Review barangay data, validate reports, request suspensions.

04

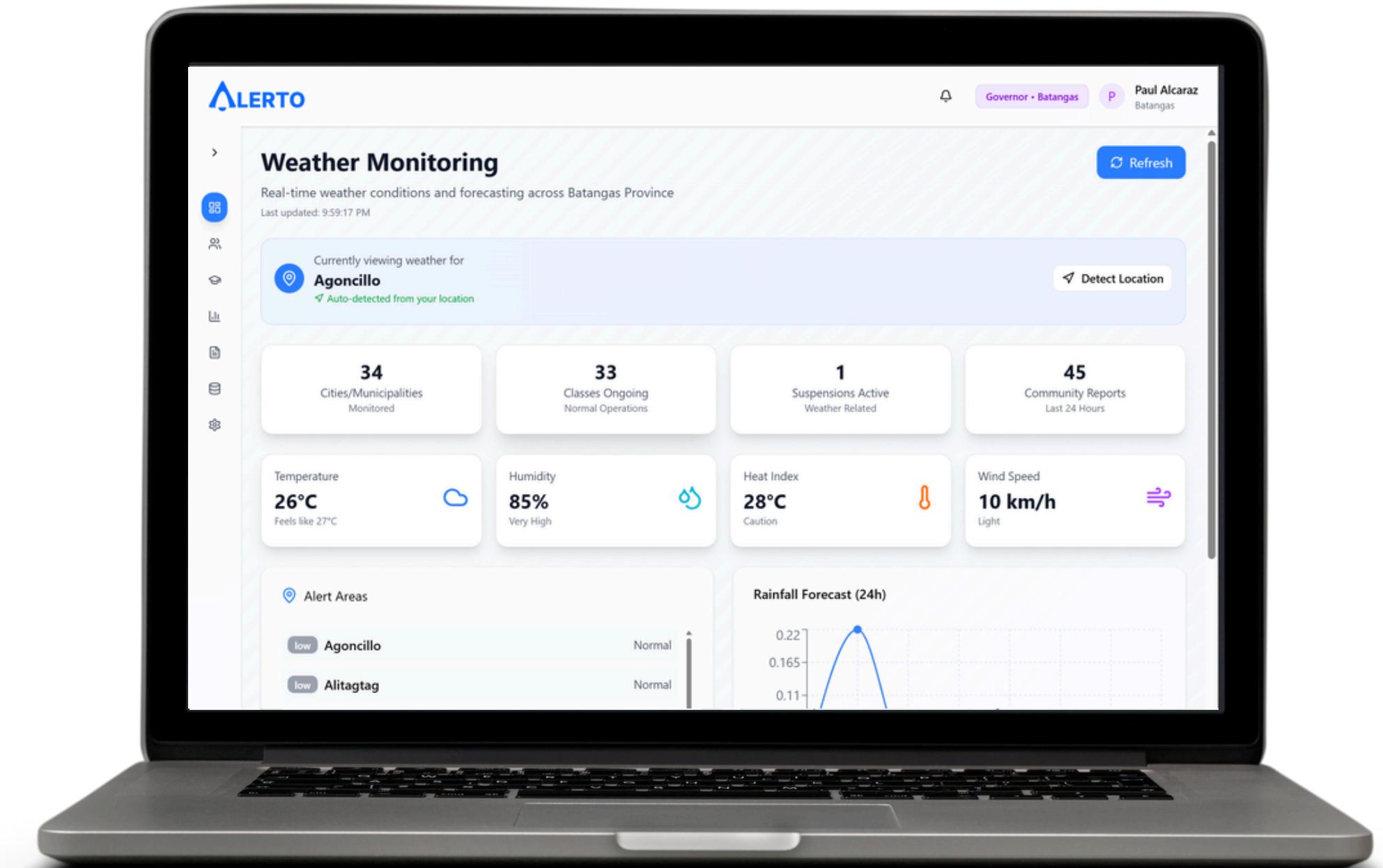
GOVERNORS

Oversee city-wide data, coordinate, suspend classes anytime.

05

FEEDBACK LOOP

Continuous improvement across all account levels.



TARGET BENEFICIARIES

PRIMARY

Municipal LGUs

Provincial Governors

Disaster Agencies

SECONDARY

K-12 learners

Students

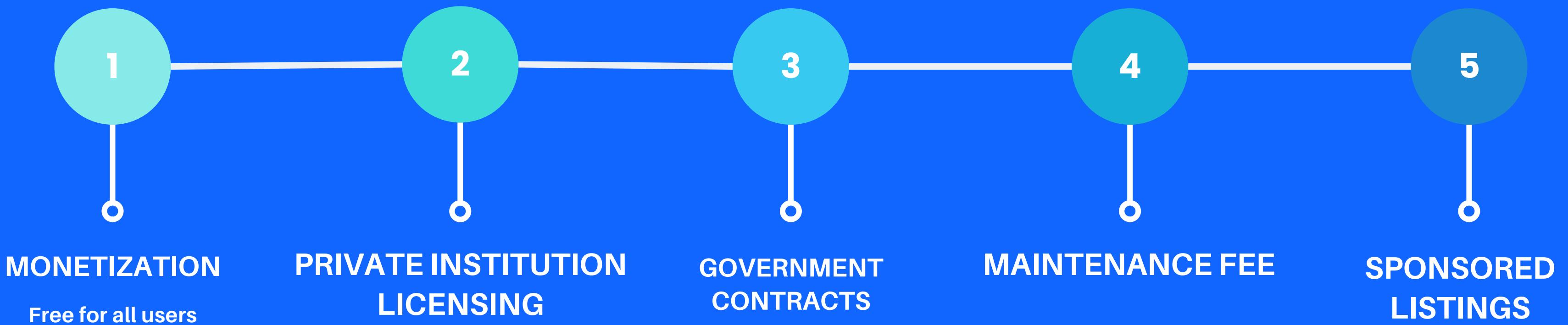
Parents

TERTIARY

Public & private
Institutions

Teacher and
Administrators

REVENUE STREAM



TRACTION PROGRESS TO DATE

92% of early users reported improved clarity in alert display after interface refinements based on direct feedback loops.

Early interest shown through initial LGU inquiry and growing early-adopter excitement.

85% technology readiness achieved with core features, backend services, alert logic, and foundational features — staged for deployment.

87% of 100 survey respondents rated centralized alerts as “**critical**” or “**very important**,” confirming strong demand for a unified platform.

Our Future Milestones

Three year development plan

2025

APP DEVELOPMENT &
SYSTEM PILOT TESTING



2026

REGIONAL IMPLEMENTATION

2027

NATIONAL INTEGRATION



BY 2026,

ALERTO aims to:



Protect 1M+ students
nationwide with free early
warning coverage.



**Strengthen PAGASA +
LGU ties** to address the
6-8 cyclones hitting PH
yearly.



Reduce lost school days
by providing schools with
real-time storm warnings.

ALERTO

Decentralized Community Report-Driven System
for Real-Time Hazard and Suspension Advisory

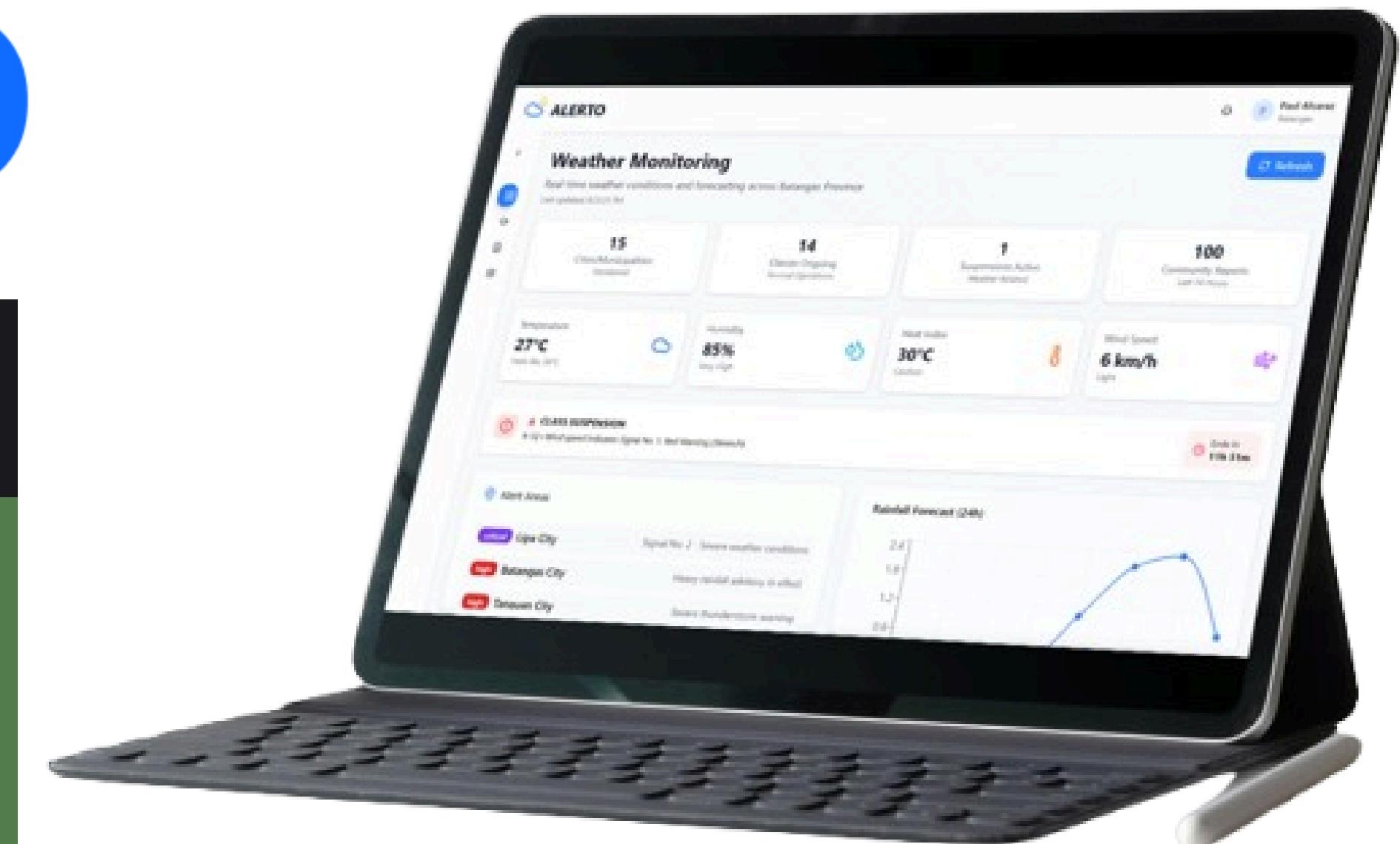
4 QUALITY EDUCATION



11 SUSTAINABLE CITIES AND COMMUNITIES



13 CLIMATE ACTION





ARE YOU READY

to bring nationwide **community early warnings** and **smarter class suspension decisions** to

EVERY FILIPINO?

VIBE CODERS



JOHN ALCARAZ
DevOps Specialist



CHRISTIAN NAYRE
Full Stack Developer



THEODORE BUNQUIN
Project Manager



DANIEL VILLANUEVA
Full Stack Developer



PAUL ALCARAZ
Lead QA Analyst

A black outline map of the Philippines is centered on a solid blue background. The map shows the main island of Luzon, the Visayas, and Mindanao, along with their respective island groups.

ForEveryRegion
ForEveryFilipino



by VibeCoders

SCAN ME!



[Project Information](#)