



LOCALIZED 3D-PRINTED CLIMATE AND HYDROLOGIC MONITORING SYSTEM



US-ASEAN SMART
CITIES PARTNERSHIP

TEAM



Engr. Gil Cruz Jr



Engr. Dan William
Martinez



Patrick James
Gozun



Engr. Rommel
Glenn Mendova



Ariel
Panaligan



John Christopher
Ilano



Kloudtech is a **startup company** based in the province of Bataan, Philippines that focuses on creating and building innovative solutions to **emerging urban challenges**. The founders and the management team have backgrounds in engineering design and research, information technology, technology management and entrepreneurship, and community engagement.

The company aims to harness and maximize transformative technologies combined with community engagement to address emerging urban challenges related to climate change, disaster risk, circularity, sustainability, urban water management, and accessibility.



Vision

An emerging startup in the region creating innovative, cost-effective products in the market to solve urban challenges by 2030.



Mission

To harness and maximize transformative technologies combined with community engagement to address emerging urban challenges related to climate change, disaster risk, circularity, sustainability, urban water management and accessibility.



Purpose

Making communities smart and livable.

PROBLEM



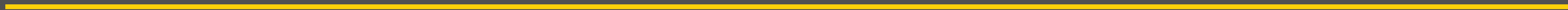
There is inadequate monitoring of real-time information about flooding and extreme weather conditions



Community is not aware and prepared of the impending danger



Lack of precise early warning

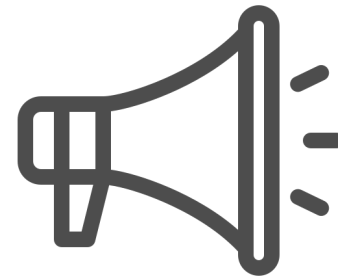


SOLUTION



Provide

real-time data by building
a smart weather
monitoring device



Disseminate

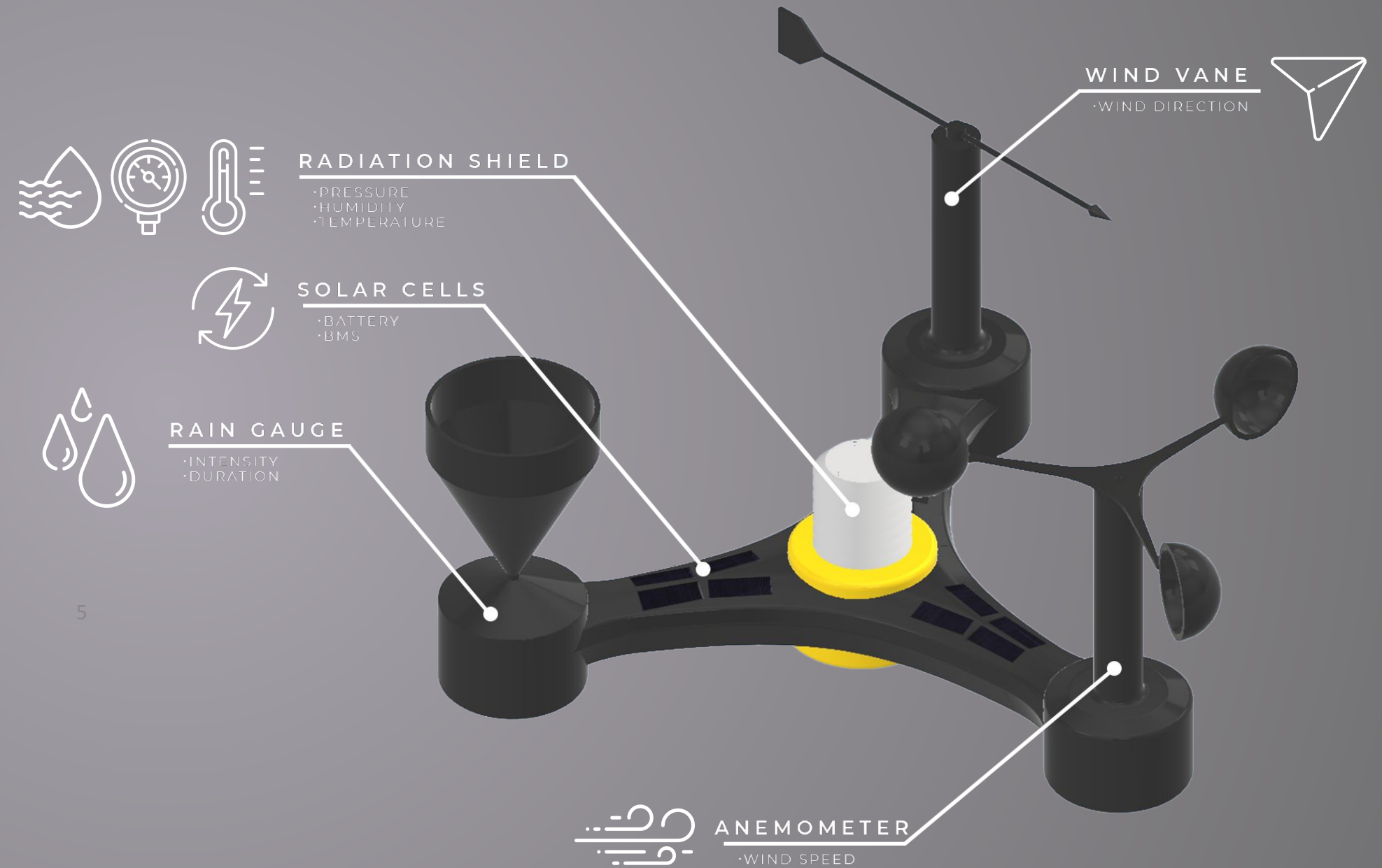
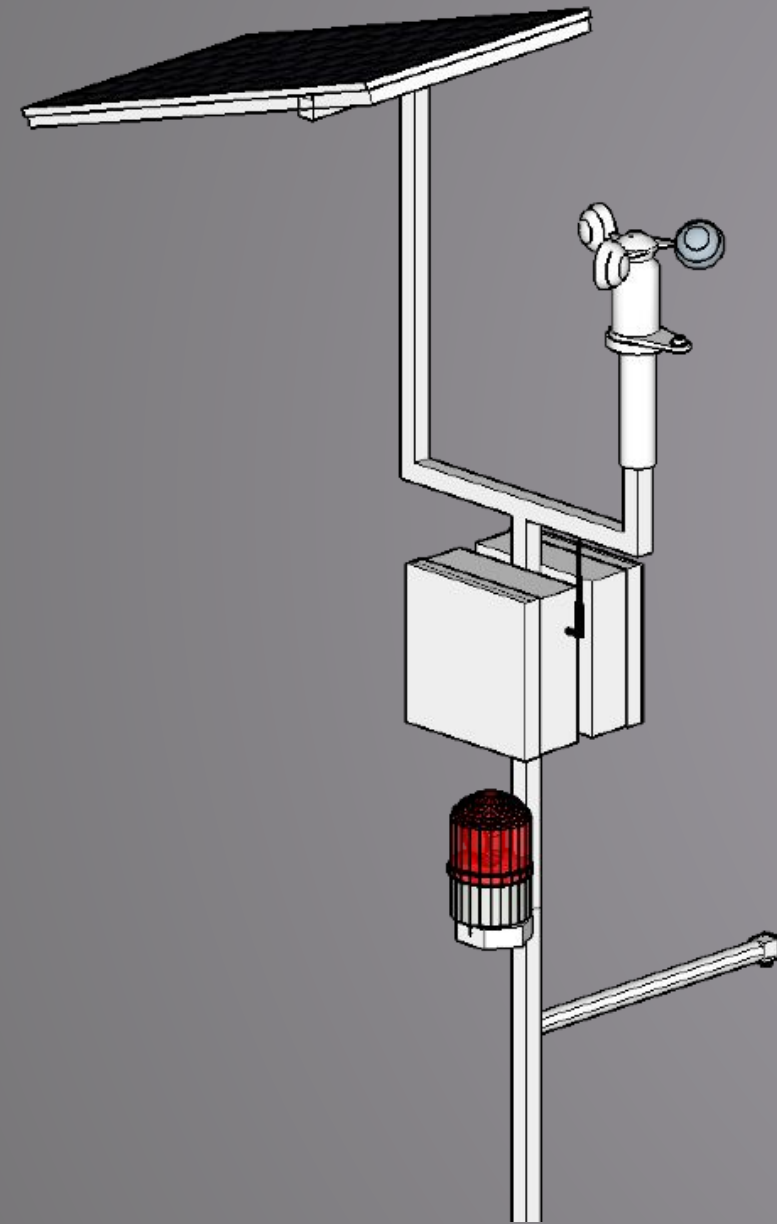
early local warnings by
creating a system that
can disseminate accurate
data about the weather
conditions through app
notifications and SMS



Empower

the **community** with their
decision making by using
a web and mobile app
that shows real-time data

PROTOTYPE DESIGN



OLD DESIGN vs. NEW DESIGN



KloudTrack

Forecast Weather Like Never Before

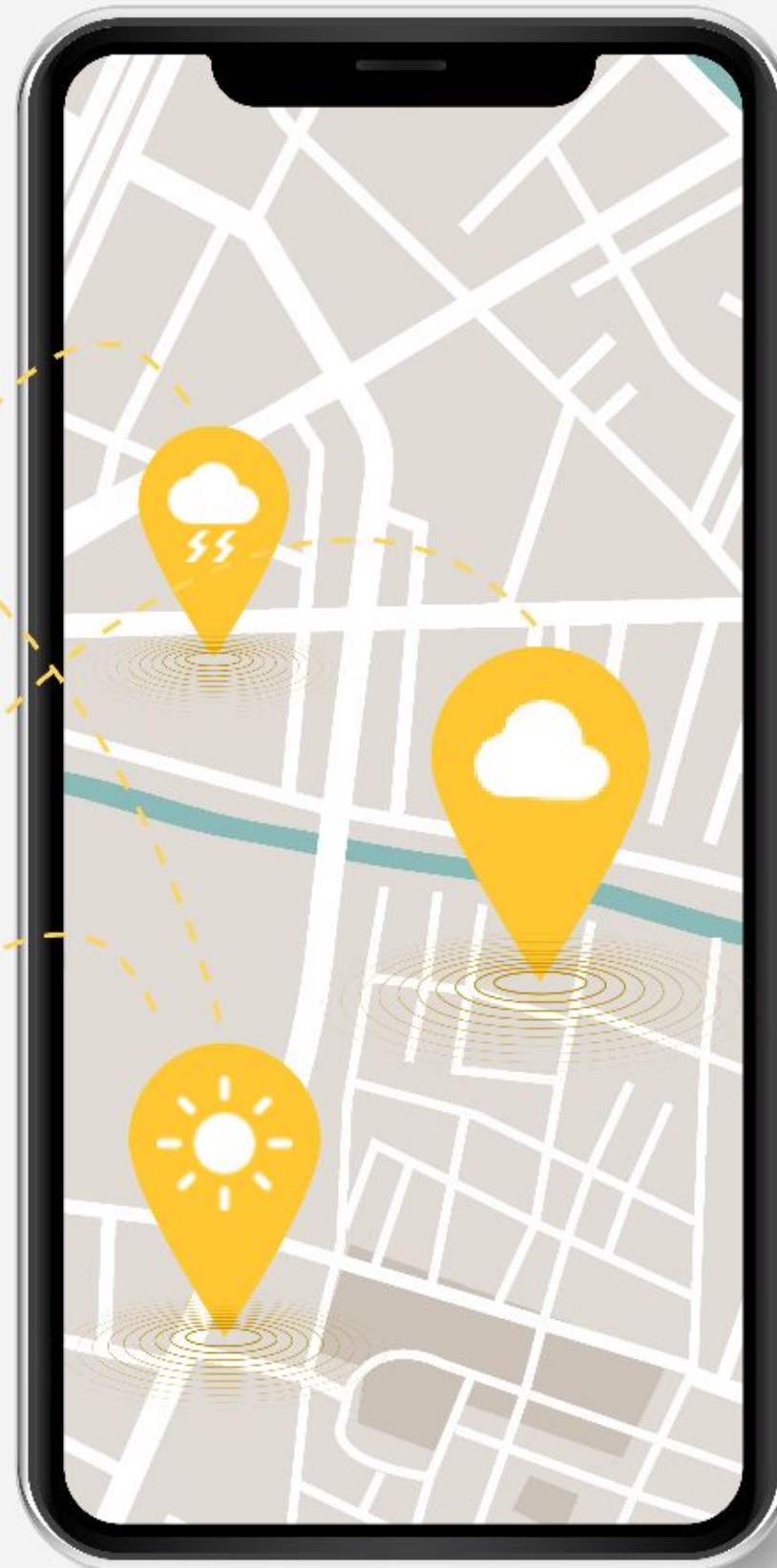
Kloud track is a new kind of free weather app. Kloud track relies on locally installed weather stations and crowd-sourced weather data to provide the most accurate forecast possible for your location.



MOCK-UP (Mobile app)

KloudTrack

Your weather partner

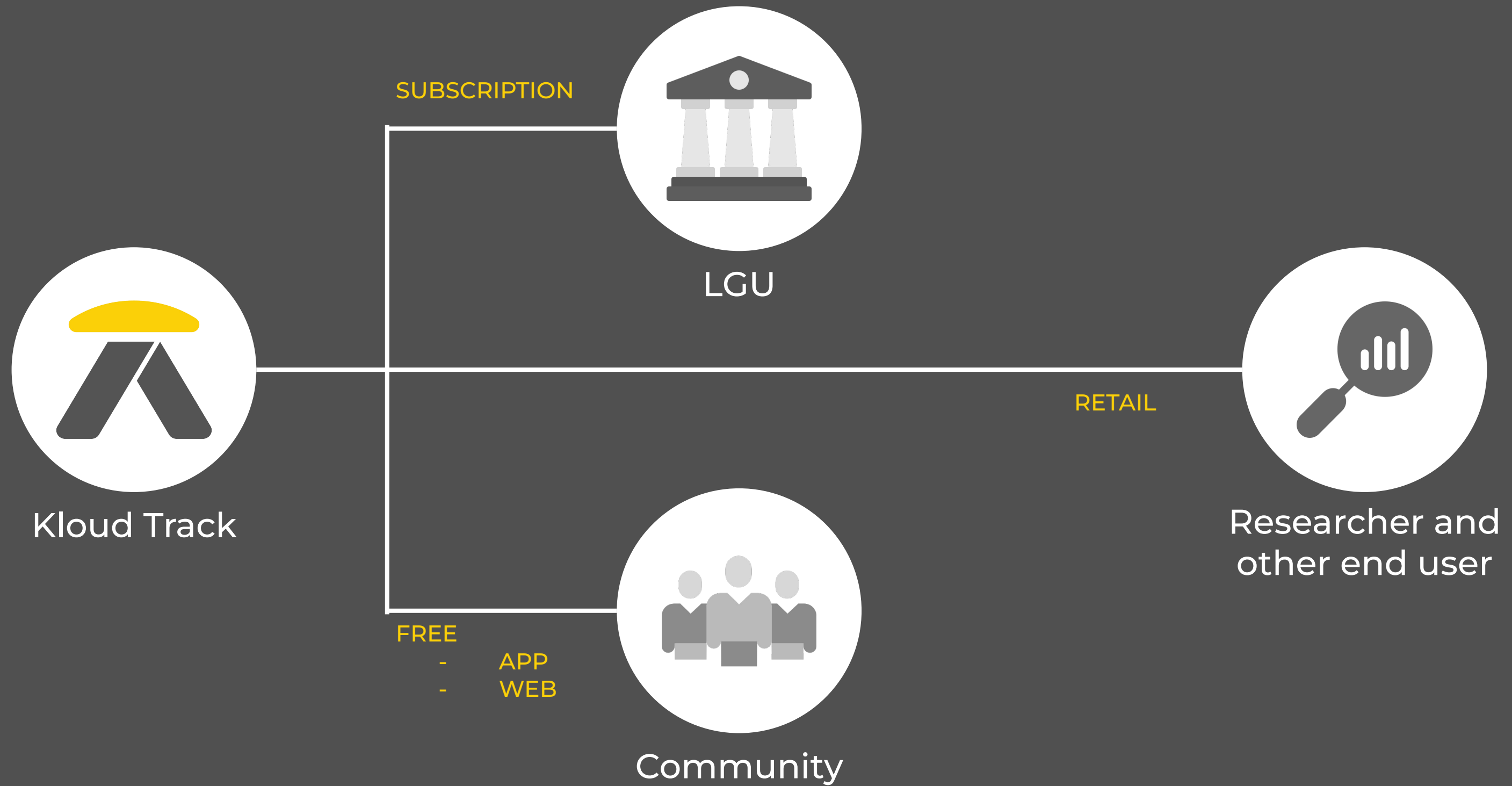


Forecast weather
like never before

Kloud track is a new kind of free weather app. It's fast, intuitive and detailed. Kloud track relies on locally installed weather stations and crowd-sourced weather data to provide the most accurate forecast possible for your location.



BUSINESS MODEL



3D Printing of prototypes





Testing of prototypes

Coordination with Provincial Government



Presentation to Hon. Joet Garcia,
Governor of Bataan regarding the project

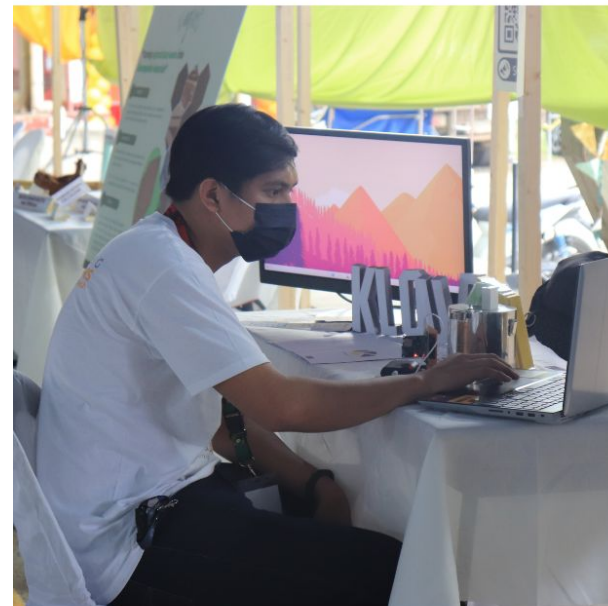




**Meeting with
External Support
Team from BPSU**

**Meeting with City Disaster
Risk Reduction and
Management Office
(CDRRMO)**





Participation in a local innovation exhibit

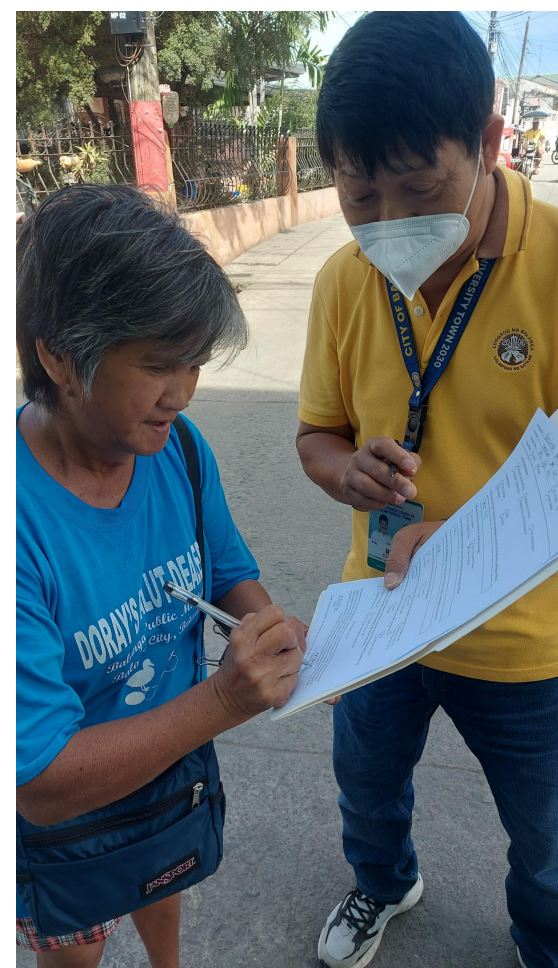
- BPSU Research Invention and Exhibit 2022
- Booth Exhibitor
- Pitching (Best Pitch Award)

Meeting and Training of onboarded students





Community Engagement



Survey of communities in Barangay Tortugas and Barangay Sibacan in the City of Balanga, Province of Bataan.



US-ASEAN SMART
CITIES PARTNERSHIP

Collaborate with us: kloudtech2022@gmail.com