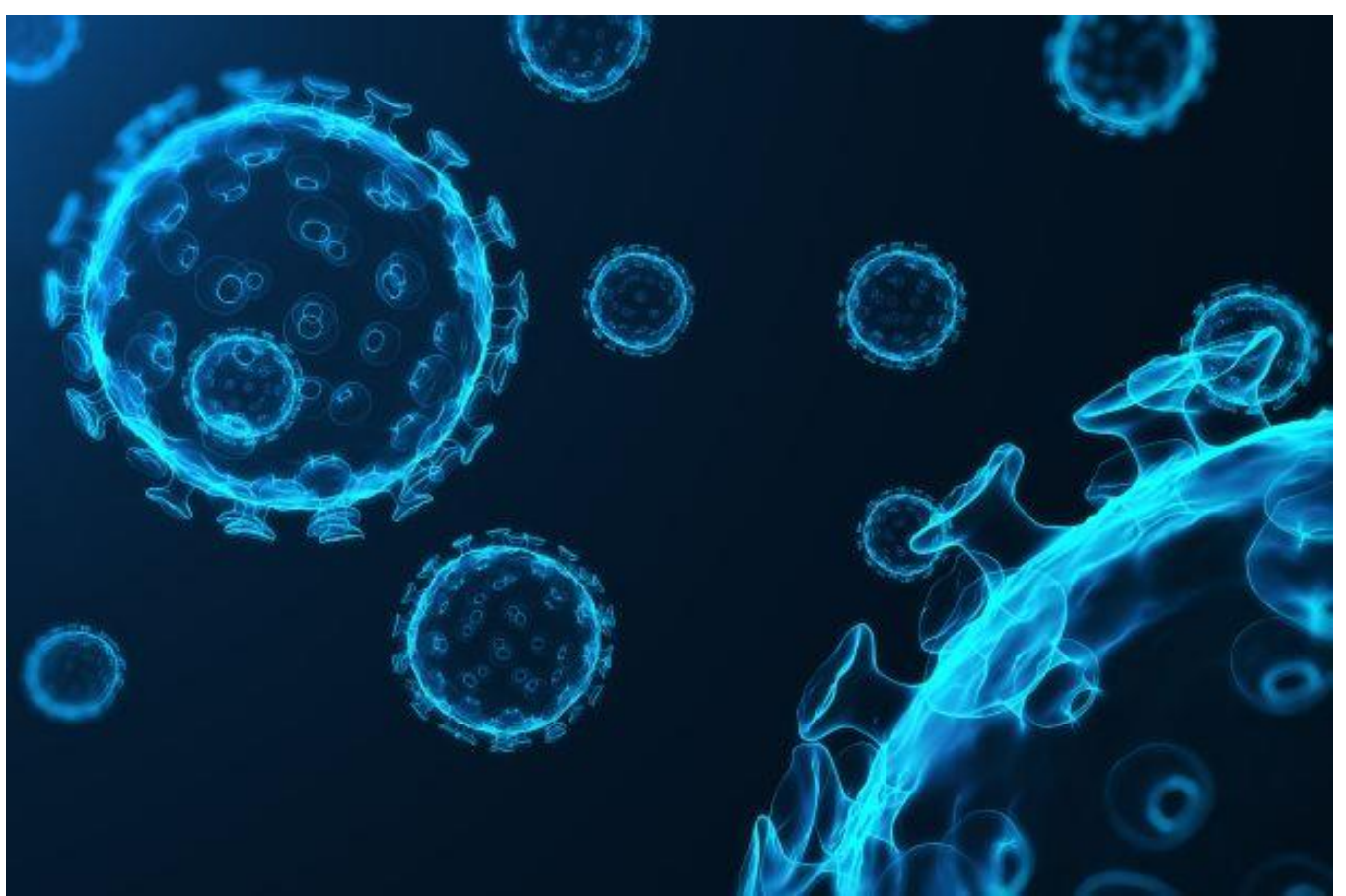# Covid 19 Alpha Tracker

Saving lives through data.

Team 33

With over 2,325,335 cases, and over 160,448 deaths, Covid-19 is a global pandemic that has continued to spread across the globe.

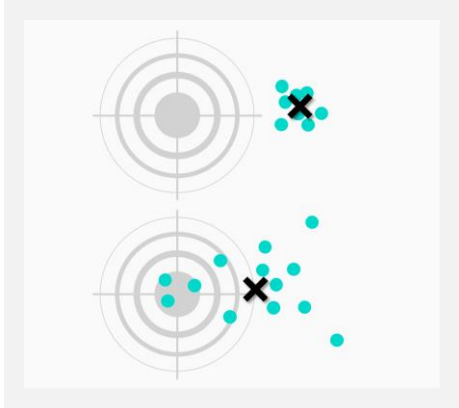The WHO warns that Africa may become the next epicenter.
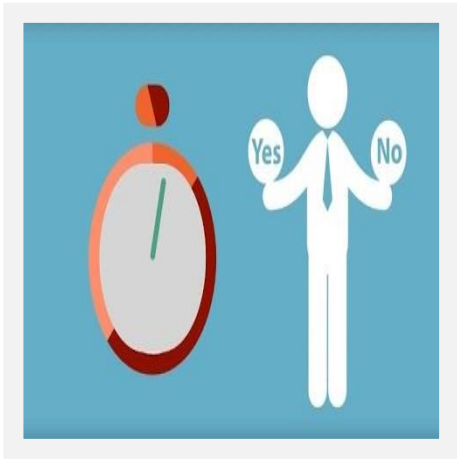
The virus we didn't see coming

Statement of the Problem

Inaccurate information on number of infected persons

No real time data of spread

Poor decision making due to lack of analyzed data

=

Rapid spread of the virus

The implications of the problem

Given the already *fragile situation in Africa's health care system* and the risk to *food and national security*, Africa could suffer a major crisis if we don't stay ahead of the pandemic.

Testing for the *virus in remote and rural areas has been difficult*, and without *real-time insights into these areas,* the disease spread could result in *outbreaks getting out of control.*

Our Vision

- To **_accelerate_** the fight and victory against the 21st century's greatest pandemic.

Our Mission

- To meet government needs in **_identifying_** at risk populations to facilitate rapid action by creating a compelling web application that provides **_timely, essential pandemic-related data_** in a speedy and effective way.
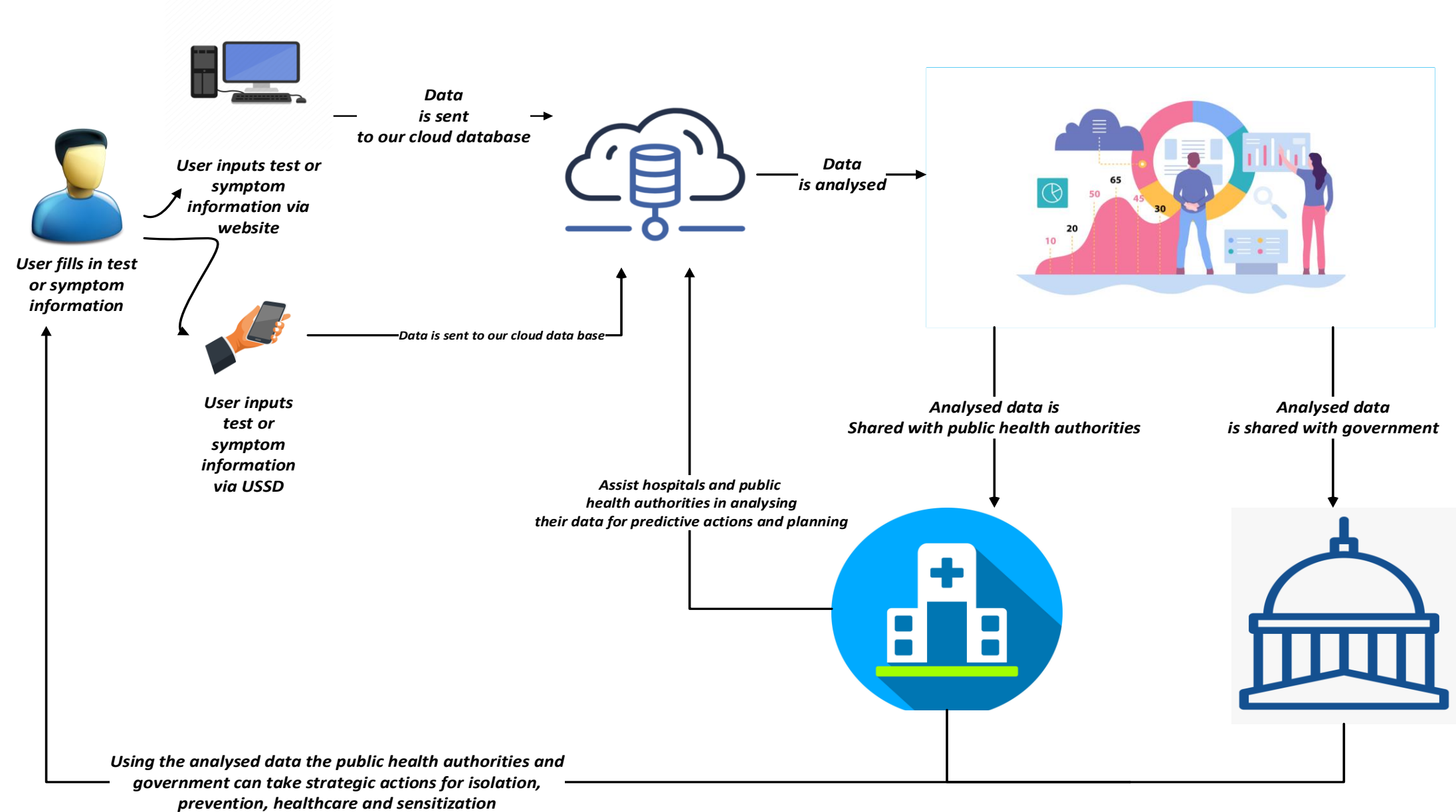
The Solution

"Analyzed test and symptom data delivered in real time to government agencies for quick identification of risk populations to aid in effective interventions.

A smart web application that collects and analyses test and symptom data in real time.

Process Model : Non- Profit organization

Data is sent to our cloud database

Data is analysed

User inputs test or symptom information via website

User fills in test or symptom information

Data is sent to our cloud data base

User inputs test or symptom information via USSD

Assist hospitals and public health authorities in analysing their data for predictive actions and planning

Analysed data is Shared with public health authorities

Analysed data is shared with government

Using the analysed data the public health authorities and government can take strategic actions for isolation, prevention, healthcare and sensitization
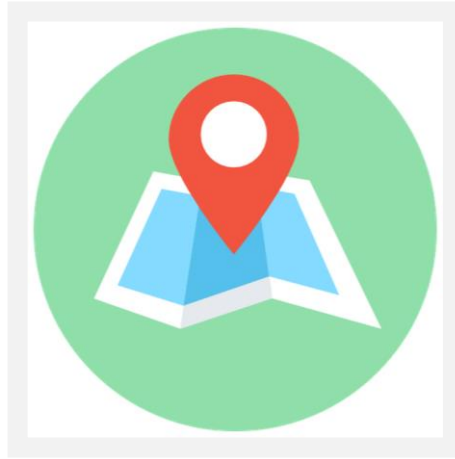
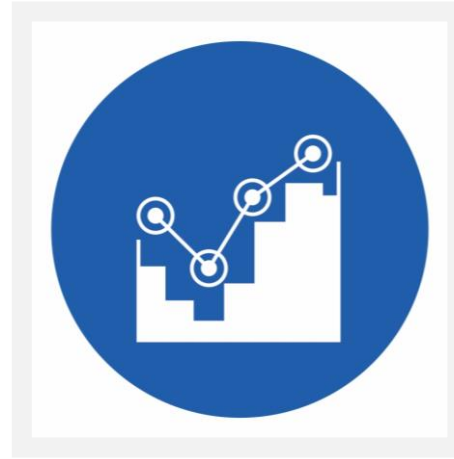# Our Unique Value Proposition

Real time analysed data

Fast data delivery for early detection

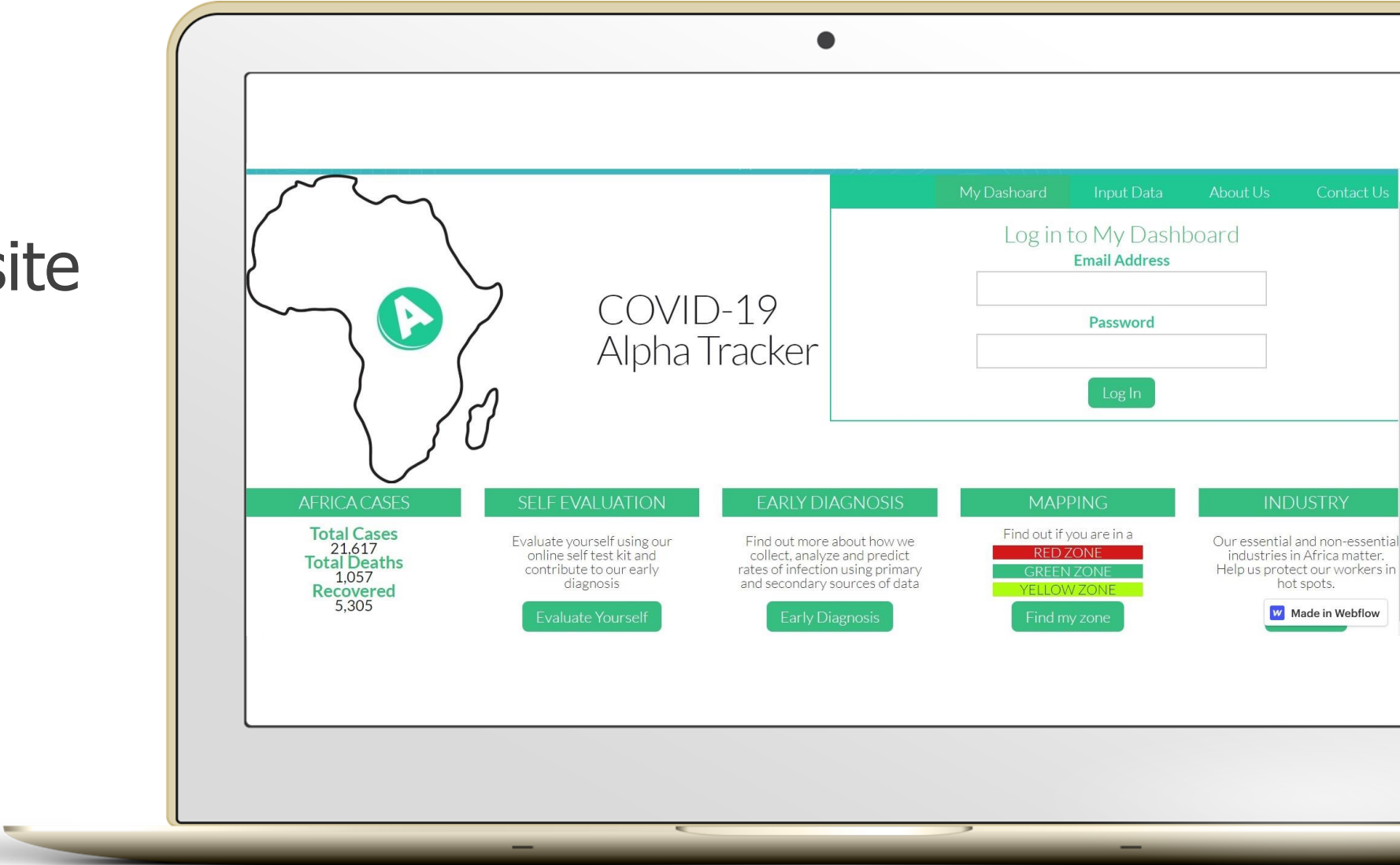Wide coverage & Essential industry data

Predictive analysis
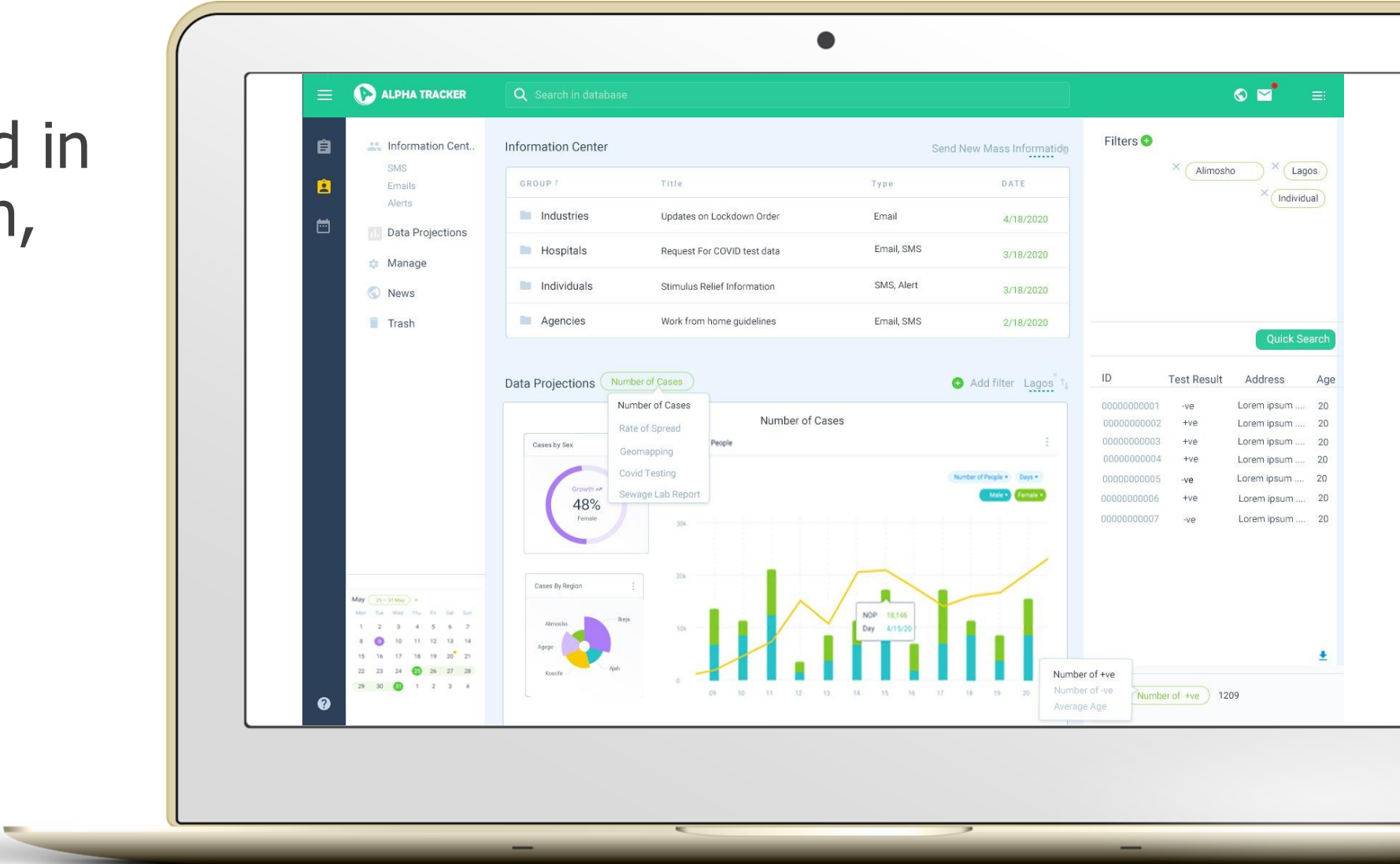
Multi-channel via web and ussd

Website landing page
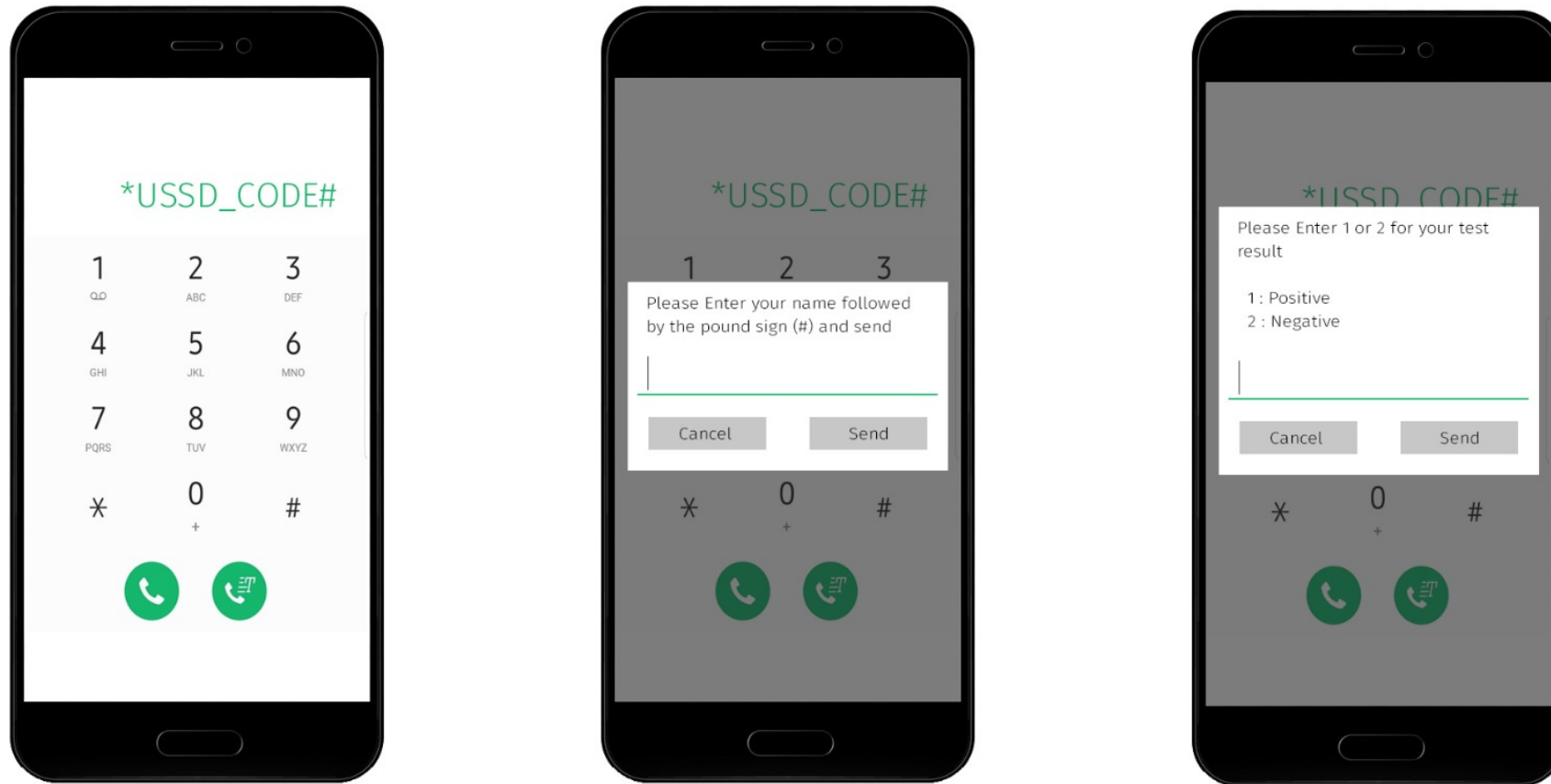
User-friendly website with multiple functionalities.

Data Analysis Dashboard

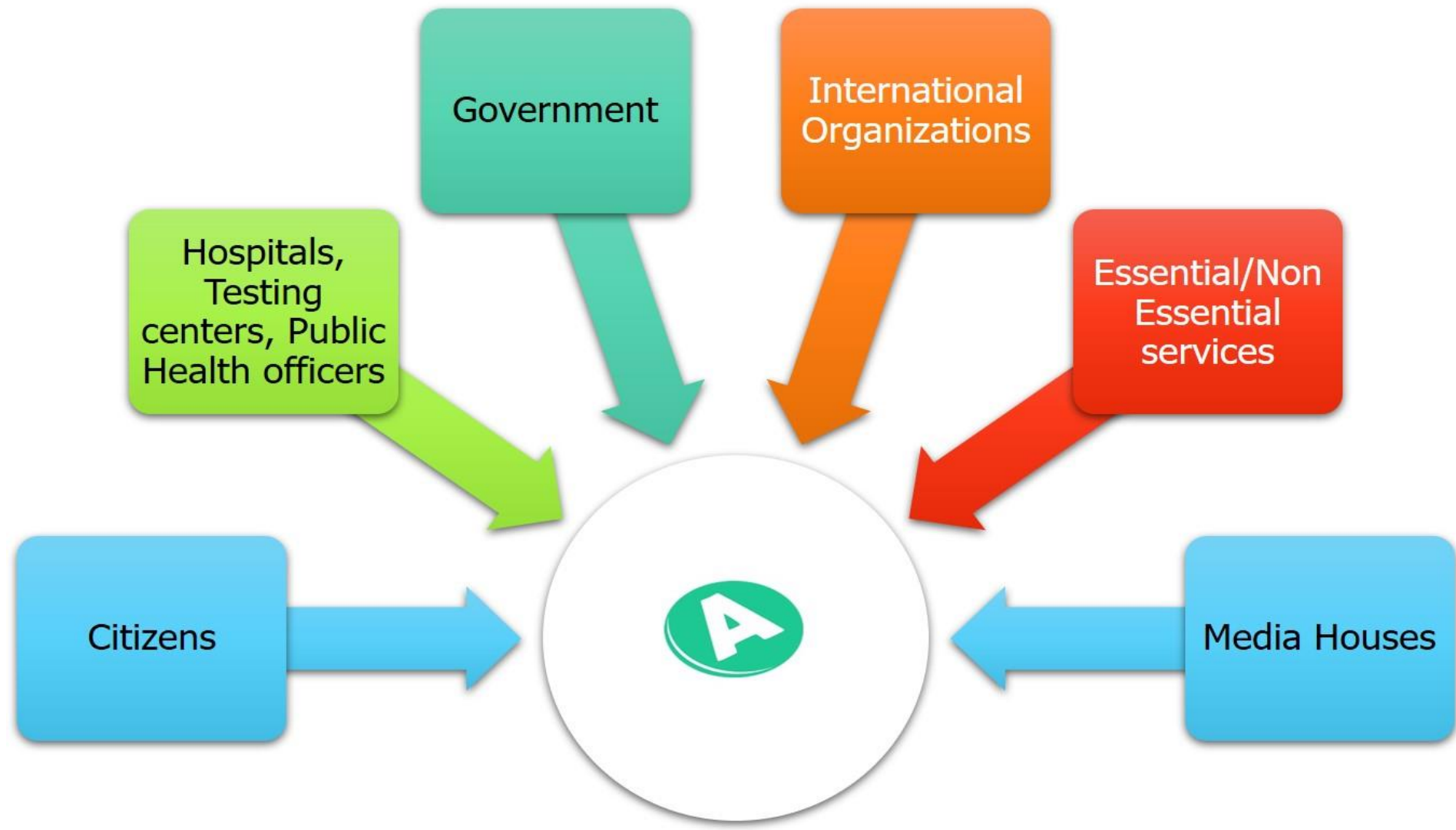Analyzed data to aid in isolation, prevention, healthcare and sensitization

USSD Functionality for wider reach

Demo Video

Our Clients and Partners

Business model for Non-Profit organization

Revenue generation:

- Anticipated fundraising amounts

- Annual donor contributions

- Investment revenue

- Grants

Expenses:

- Salaries

- Consultant fees

- Printing and office expenses

- Travel costs

- Cashflow

- Detailed costs of the solution

- Gifts to donors and volunteers

Expected impact

Savings lives through data.

Long term impact

Effectively tracking the spread resulting in better intervention

Effective delivery of essential services to communities that need them the most

Bolstering action that brings about effective interventions that save lives.

Partnering with the government to deliver support for those in the front line of the pandemic
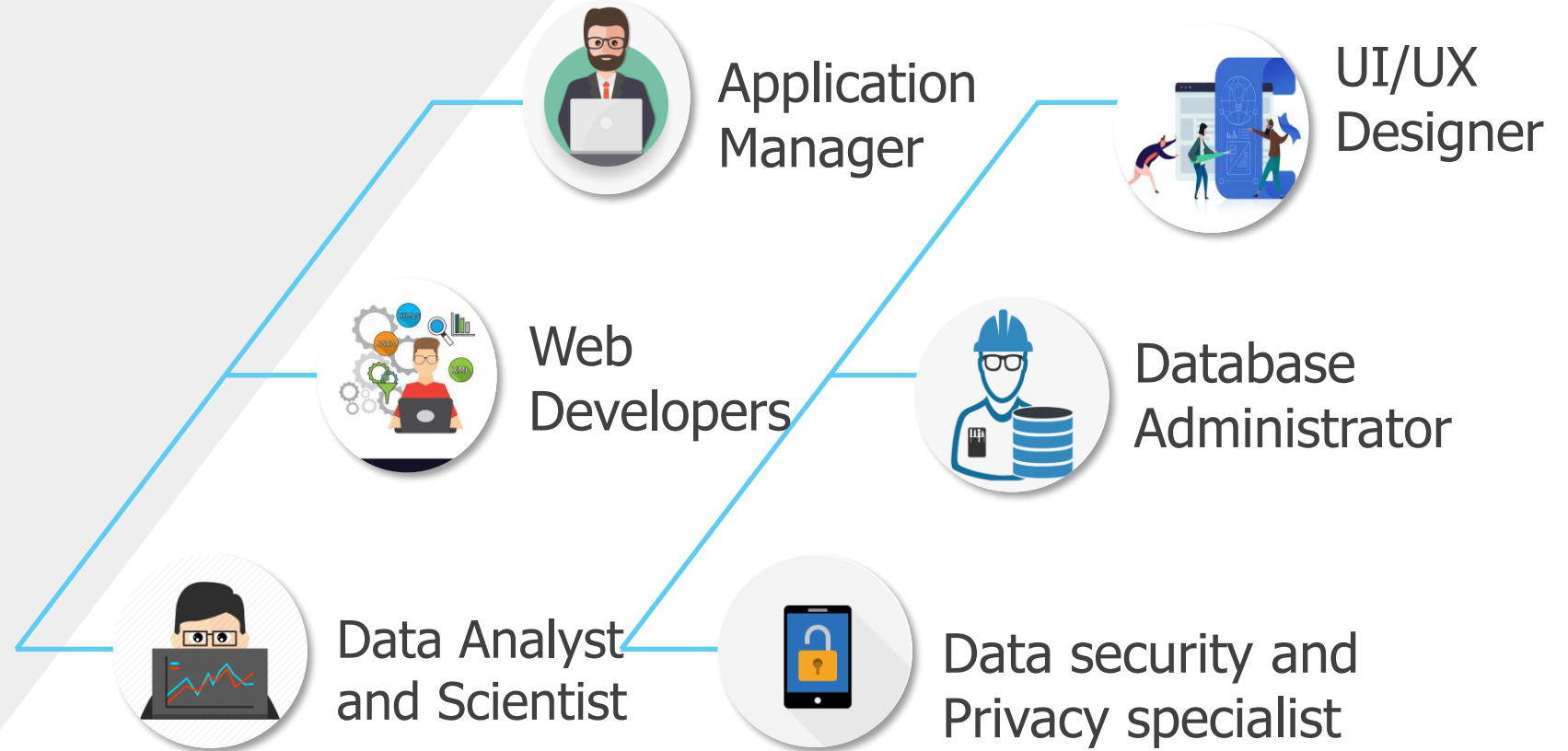
Challenges in the future

- Delay in funding from partner organizations and government

- Unwillingness of government and public health organization to forge partnerships

Resources needed

Technical Manpower

Application Manager

UI/UX Designer

Web Developers

Database Administrator

Data Analyst and Scientist

Data security and Privacy specialist
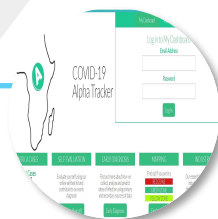
Resources needed

Materials and Equipment

Database Server

USSD Functionality

Website Domain and hosting

Desktop and Laptop computers
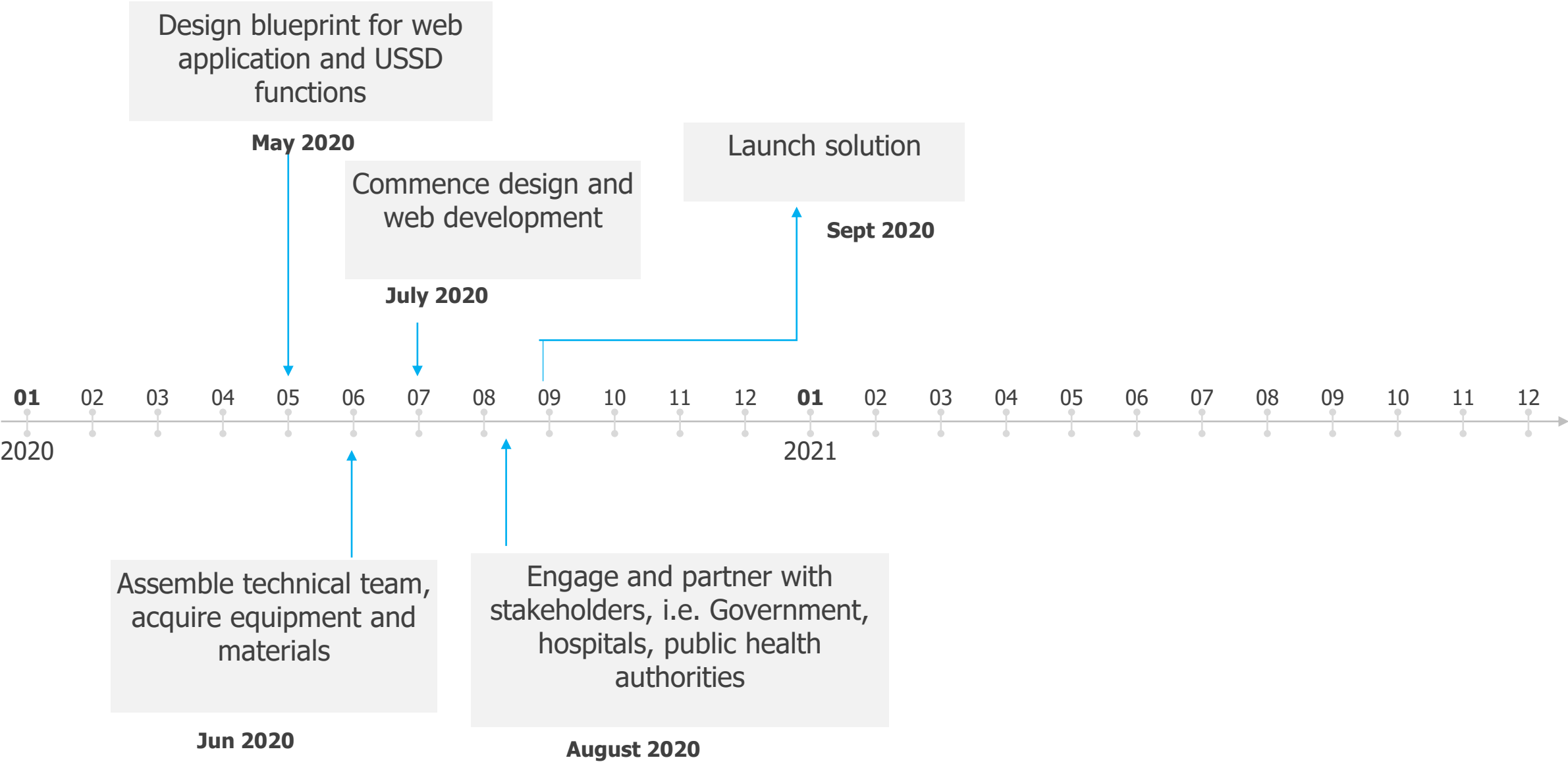
Data Analytics software

Fast and reliable internet connectivity

Implementation Timeline

Design blueprint for web application and USSD functions

May 2020

Commence design and web development

July 2020

Launch solution

Sept 2020

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 |

2020   2021

Assemble technical team, acquire equipment and materials

Engage and partner with stakeholders, i.e. Government, hospitals, public health authorities

Jun 2020   **August 2020**

Geographical Reach

High impact zones: Our solution can be scaled effectively across these regions

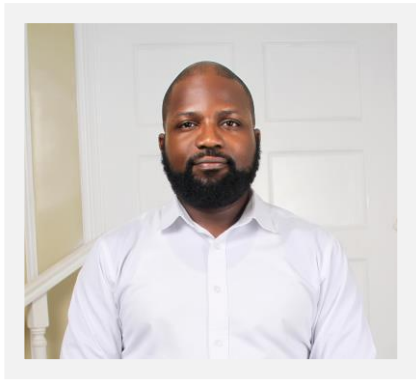## West Africa

Nigeria

East Africa

Kenya

South Africa

South Africa

Team

Kelechi Uchenna

Team Lead

- Project Management Professional (PMP)

- Certificate in Entrepreneurial Management

- M.Sc. Environmental Engineering

Nontsikelelo Ncwadi

Team Member

- BHSc Biomedical Science in Molecular Medicine and Haematology (Hons), PGBA
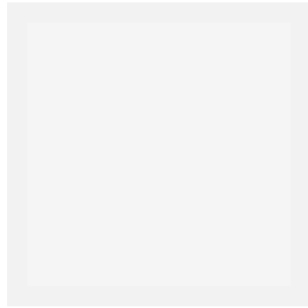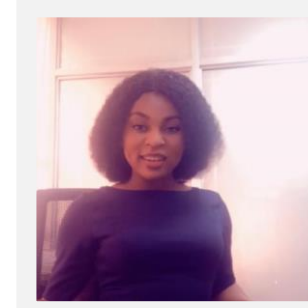

David Hallet

Moderator

Jimoh Abdulganiyu

Mentor

Benjamin Kihuria

Team member

Biosystems Engineer

Oyebisi Iayode

Senior Developer

Azeezat Mustapha

Peace Ante

Kehinde Poopola

Team Member

Egbo David Ebuka

Team Member

- The Covid-19 Alpha Tracker hopes to save lives by analyzing and delivering unbiased data of cases in Africa to government authorities from COVID-19 rural and urban areas.

- For the government and healthcare providers in this COVID-19 world, accurate decisions can be a matter of life or death.

- Deployment of smart web application (COVID-19 Alpha Tracker) with analytical model, can help health systems and government agencies make more accurate decisions on the impact of this and future health crisis in Africa.

Conclusion

Why we must act now

Customize this Template

- Below the key points you need to include:
- Problem description
- Solution description
- Implementation plan (timeline, geography, tech and resources needed)
- Expected impact
- Team