# **AURA**

(Advanced Unified Response Analytics)

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### The Problem

1st

Natural disasters affect millions

**Overview** 

2nd

Traffic causes hours of delays

**Evacuation** 

3rd

Aid allocation can be optimized with the right data

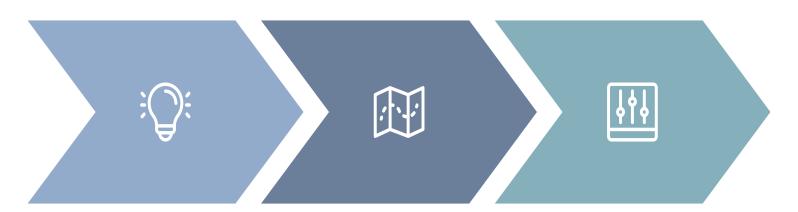
Resources

4th

How can we solve this?

**Solution** 

## **Statistics**



# People During Evacuation

1300 people reported missing after Hurricane Katrina because of a lack of information

# Roads During **Evacuation**

Less than 8% of roads were operational a month after Hurricane Maria which created severe logistical barriers.

#### Post-Disaster Relief

An estimated 20-30% of resources did not reach areas where most needed and went elsewhere during the 2010 Haiti Earthquake



# **Pre-Existing Infrastructure**

#### **Government-Owned**

Traffic cameras, public surveillance cameras, and traffic pressure plates

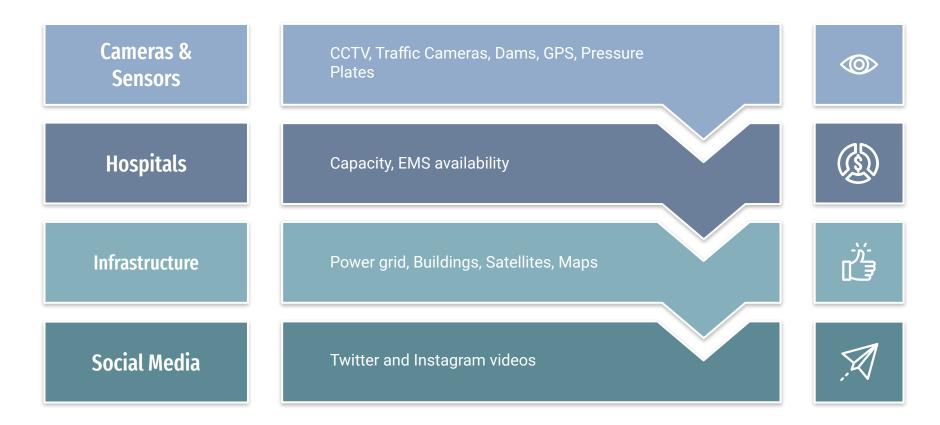
### **User Technologies**

Smart doorbell cameras, home security systems, and business security cameras

### **Crowdsourced Data**

Crowdsourced maps data and social media

### **Data Sources**



## **User-Provided Technologies**

## Types of Technologies

Smart doorbell cameras, outdoor home security systems, and business security cameras

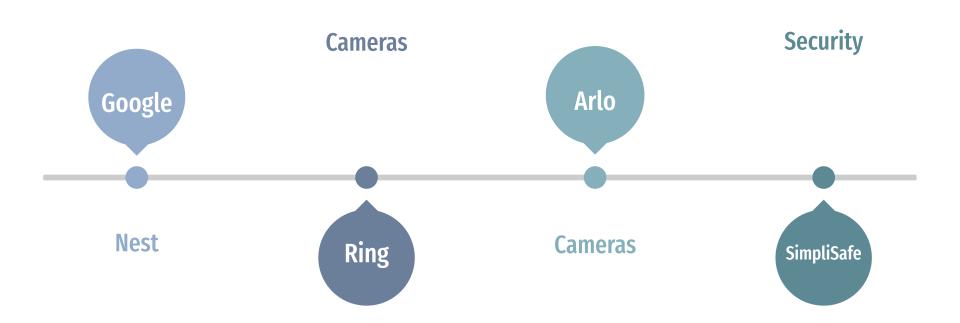
## **Privacy Concerns**

- Voluntary data collection
- Only access that data during natural disaster
- Will notify users

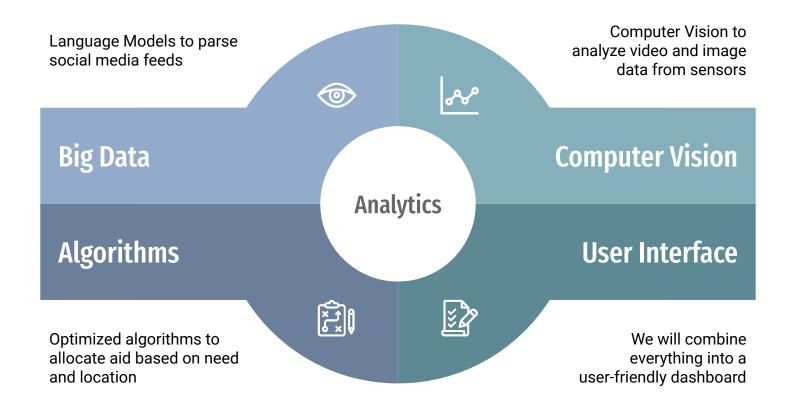
## **Companies to Partner With**

Ring, Google, Arlo

# **Partnerships**



# **Technologies**



# **Sustainability**











#### AI-driven analysis

#### **Existing Infrastructure** •

- No new hardware required
- No added footprint from this solution

Less manpower Minimizes unnecessary deployment

#### Resources

- Optimizes resource allocation
  - Lesswaste

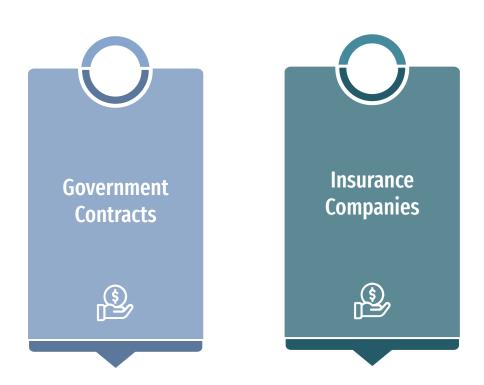
Minorities

 Minorities
 and lower
 income
 individuals
 treated the
 same

#### Emissions Reduced fuel consumption

Help
dispatched
only to
where
needed

# **Market Sizing and Economic Feasibility**



## **Impact**

