11th APFSD
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YOUTH CLIMATHON

INNOVATIVE SOLUTIONS FOR THE ACCELERATION OF CLIMATE ACTION IN ASIA & THE PACIFIC

Team AdaCity

Flood and Disaster Emergency Response System

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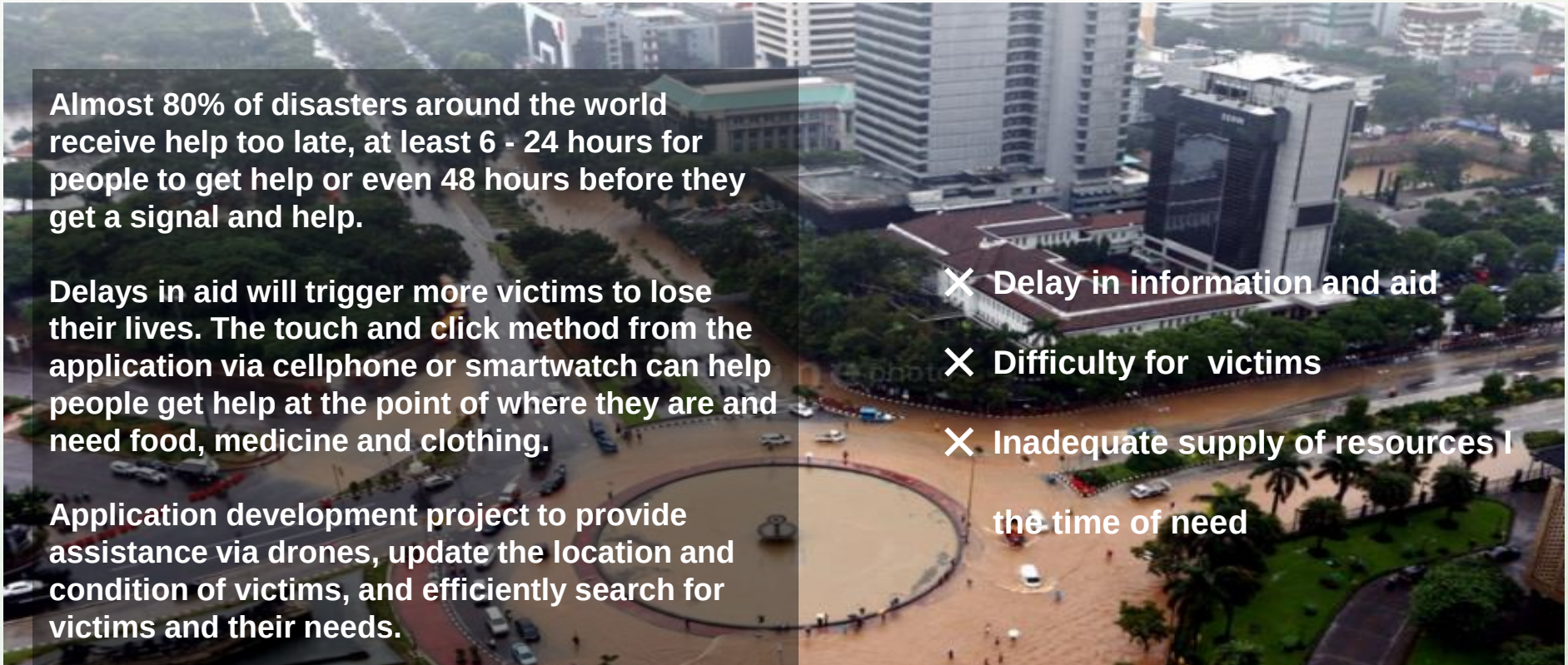
Problem



Almost 80% of disasters around the world receive help too late, at least 6 - 24 hours for people to get help or even 48 hours before they get a signal and help.

Delays in aid will trigger more victims to lose their lives. The touch and click method from the application via cellphone or smartwatch can help people get help at the point of where they are and need food, medicine and clothing.

Application development project to provide assistance via drones, update the location and condition of victims, and efficiently search for victims and their needs.

- ✕ Delay in information and aid
- ✕ Difficulty for victims
- ✕ Inadequate supply of resources I the time of need

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Proposed Solution: Flood and Disaster Emergency Response System (FERS)

The project will be an application or web-based system. It will also have direct calling service. The system will have three primary segments. Food, medicine, and clothing. Each will have separate emergency numbers where people can directly call and ask for what is needed, providing their location. They can directly order what they need from the application or website, and they can share their location with the app. For faster delivery, drones should be used. It'll also make delivery easier in high-risk areas. For low-risk and low-intensity flood or disaster areas, delivery can be done with people after giving them the necessary training to handle it.

- ✓ Fast response and giving solution
- ✓ Targeted saving lives
- ✓ Alert notification
- ✓ Training guide to help
- ✓ Up to date

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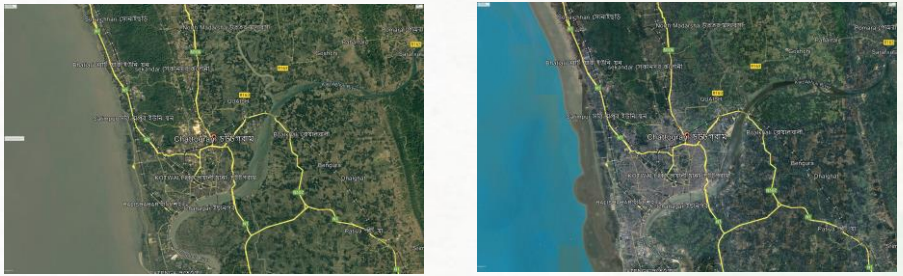
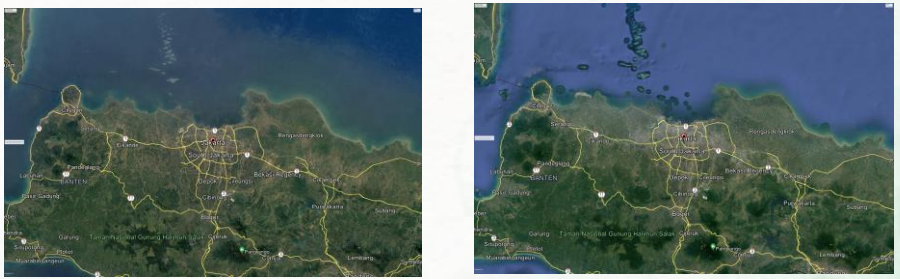
Target Group

Our project is targeted at people living in urban areas with higher levels of natural disasters such as Japan, earthquakes and floods in Chittagong city, Southern Bangladesh and Jakarta, Indonesia. The area being urban is because as of now it requires network and technology.

This assistance can be provided in the long term, up to one month, with a bill charged after a timeframe.



The chance of Chittagong city, Southern Bangladesh before and after Flood disaster (1984 to 2024)



The chance of Jakarta City, Indonesia before and after Flood disaster (1984 to 2024)

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Environmental Impact

1,000,000,000 Users

30-50 km territory

0.5% death rate people

Our goal is to reduce the death rate to 0. 5%. Mitigate and educate the public through application systems and information as well as necessary needs.

We will use satellite imagery and other additional applications for accurate monitoring of disasters that will occur, as well as assistance that will be provided quickly to calls made by users.

Social Impact

500+ jobs

150-500 USD/family/month

80% reduced time in getting help

Adapting and Saving Lives Through Change

The project will create job opportunities for drone pilots, rescue workers, social workers and delivery persons.

It will also help users get timely help and the whole process will ensure inclusiveness.

Cost Considerations

Initial Investment:
Application and system development (hardware & programming) $1,500
procuring drones: $5,000

Training:
Drone trial : $50-$100
Outreach and direct practice in flood-prone areas: $50-$100 per participant

S&E ROI

- Save lives
- community adaptation to climate change
- Flood mitigation and prevention
- reducing natural disasters, environmental damage, prolonged life, and mutually beneficial socio-economic conditions

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Implementation Plan

What you can start immediately
- Develop the app
- Small Trial in Indonesia and Bangladesh (its rainy season now)

JAN 2024

What can you achieve in 6 months?
- Acuration users
- System update
- Trial in a big flood and disaster area

JUNE 2024

Milestones achievable within a year.
- expand territory
- Profit to back ROI
- Expand employee in other country

DEC 2024

How would you like to see your project or idea in the next 2 years?
- Loyalty users to stay in our system
- Giving more help that users needs

DEC 2025

How would you like to see your project or idea in the next 3 years?
- assist countries in adapting to climate change
- development to other disasters

DEC 2027

How would you like to see your project or idea in the next 5 years?
update the application to become a smartwatch or bracelet that can be used with just one tap in an emergency

DEC 2030

What impact or success you'd like to see in 10 years?
The system applications that continue to develop which do not out of reach and always used by users in good or bad situation.

2035

| Short-Term Plan: Actions you can start immediately.|

| Medium-Term Goals (1 year): Milestones achievable within a year. |

| Long-Term Vision (5-10 years): Long-term objectives and expected outcomes. |

Partnerships

We will propose trials in flood-prone areas in Indonesia and Bangladesh. This trial will be supported by policy and access by regional and central government. Development is carried out in collaboration with ministries and community institutions for outreach and mitigation. Evaluation and renewal through educational institution research. As well as NGOs working in the field of climate and adaptation to climate change.

- Government of Aceh and Jakarta city, Indonesia
- Government of Chittagong city, Southern Bangladesh
- LSM, Ministries, Cummunity, NGO's, and etc..

Business Model (for startups/businesses)

To continue thriving and scaling, the system needs a reliable business model. Even though the primary focus will not be the generation of profit, to sustain and pay the staff, a profit generation system is necessary. It can be done by signing memoranda with brands and companies. The main supplies and products that will be delivered will only be procured from one specific company, and as a result, they will support the system. Aid will be another way of getting money. Beside these, the company can set up some social business that will be climate and environment friendly; it can be inventing and selling products that will help people be ready for disaster. Creating training modules to better prepare people for emergencies. Creation of a volunteer hub to let people contribute to society in exchange for recognition and experience.

- Partnership with brands
- Aid from development agencies
- Paid advertising when using the application and in the products
- Gain long-term scalability

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Team Members

Introduce your team members and highlight their roles and relevant expertise

Country Flag

Reazul Mostafa

Country: Bangladesh
Role: Leader - Developer
Education: Undergrad 4th year, International Relations
Experiences: Millennium Fellow 2022, ran projects in education and climate

Sepnina Like Lestari

Country: Indonesia
Role: Member - Editor
Education: S2-Managment Marine and Coastal Area in University of Lampung
Experiences: Volunteer in start up Company “Gajahlah Kebersihan”

Murtaza Lashari

Country: Pakistan
Role: Member - Editor
Education: Business Graduate in Sindh Madressatul Islam university Karachi
Experiences: Social Enterpreneur, TEDx Licence, Climate Activist