Problem-Solution fit canvas 2.0

Purpose / Vision

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) — CS

The water ecosystems provide food,flood mitigation,water for agriculture,transportation and recreation because they can temper or alter local climates,water quality is also inseparable from human economies.Rivers are not only source of water for human consumption but they also sustain agriculture and benefit us in other ways.Monitoring water quality is very important for maintaining ecosystem health and the livelihood of the population.

6. CUSTOMER CONSTRAINTS — CC

Smart water management has used to avoid the water pollution with the help of sensors.This sensors help the user to monitor the river from any time and any where.IOT based Real Time river water is highly efficient compared to another technologies.

5. AVAILABLE SOLUTIONS — AS

Filters by test method

Merits: They protect state waters for the ways that we want and need to use them drinking water, swimming, fishing, irrigation, and much more.

Demerits: There is no continuous and remote monitoring. No on field monitoring and the frequency of testing is very low.

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. PROBLEMS — J&P

Around the world,agriculture is the leading cause of water degradation.Agriculture pollution is the top source of contamination in rivers and streams,the second-biggest source in wetlands and the third main source in lakes.Bathing in contaminated river waters causes skin diseases,allergies and other such ailments,consuming pllouted water can cause cancer etc…

9. PROBLEM ROOT CAUSE — RC

- Industiral effluents.
- Sewage waste.
- Neutralize acidic pollution from ranifall or snowmelt.

7. BEHAVIOUR — BE

The people's throughts are good drinking water. Fertile land for water. Health and hygiene secure livelihoods.

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS — TR

Due to the limited drinking water resources,intensive money requirements,growing population,urban change in rural areas and excessive use of sea resources for salt extraction has significantly worened the water quality available to people.

4. EMOTIONS: BEFORE / AFTER — EM

Monitoring water quality is very important for maintaining ecosystem health and the livelihood of population.It refers the health of surface water bodies as a snapshot in time(weeks,months and years).

10. YOUR SOLUTION — SL

The main aim is to develop a system by using a stream gauging for continuous monitoring of river water quality at remote places using wireless sensor networkers with low power consumption .Low cost and high detection accuracy PH,Conductivity,
Turbidity level,etc… are the limits that are analyzed to improve the water quality.

8. CHANNELS of BEHAVIOUR — CH

1. ONLINE

We notify the information about of field in web application

8.2 OFFLINE

You are offline the application show last information about the field

Extract online & offline CH of BE

AMALTAMA