Project Design Phase-I

Proposed Solution Fit

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

Our customers-

1. The Industry people
2. Nuclear Plants
3. Power Plants
4. People surrounding industries and power plants.

6. CUSTOMER CONSTRAINTS CC

Constraints that limit customer choice-

1. Power Consumption
2. Network connection in that area
3. Maintainance

5. AVAILABLE SOLUTIONS AS

In industries, The Hazardous area monitoring system uses embedded system

Pros –

We have automatic controlling and monitoring.

Cons –

There is no storage and backup.

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS J&P

Addressing Problem –

1. Carefully placing the watchtower
2. Login to the App
3. Monitoring updates from the App

9. PROBLEM ROOT CAUSE RC

Reason for the problem –

1. Carelessness of workers
2. Occurrence of industrial accidents.
3. Loss of human lives.

7. BEHAVIOUR BE

How to address the problem –

1. Finding the right watch tower and smart wearables.
2. Finding right place for installation
3. Maintaining the place regularly.

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

3. TRIGGERS TR

Industries are very much prone to fatal accidents due to huge usage of electrical equipment's and appliances. This leads to loss oh human lives, damage of properties and injuries. This results in creating a monitoring system that can avoid such

4. EMOTIONS: BEFORE / AFTER EM

BEFORE	AFTER
Workers feel insecure	Workers feel confident in work
We were in need for constant monitoring in case of any hazards	Workers can concentrate only in work.
More manual security	Less manual security

10. YOUR SOLUTION SL

These accidents can be avoided by continuously monitoring the hazardous area and sending information through smart wearable devices to the workers and notifying them through mobile application.

8.CHANNELS OF BEHAVIOUR CH

OFFLINE –

1. Watch towers
2. Wearable devices

ONLINE –

1. Cloud storage
2. Mobile application
3. Network connectivity