

Define CS, fit into CC

### 1. CUSTOMER SEGMENT(S) CS

According to our problem statement, industries and commercial establishments that manufacture or work with hazardous gases.

### 6. CUSTOMER CONSTRAINTS CC

Our gas leakage detector is cost effective and requires 24 hours high-speed internet connection to work effectively.

### 5. AVAILABLE SOLUTIONS AS

When the user receives the notification about the leakage of gas, he can immediately commence the process of reparation beginning with the evacuation of workers from the facility.

Focus on J&P, tap into

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

The gas leakage detector should be able to swiftly detect the leakage of toxic gas and should notify the owners immediately about the leakage.

### 9. PROBLEM ROOT CAUSE RC

Gas leakages in industries occur due to various reasons like low-quality pipelines, negligence of workers etc. this can be prevented by using an IOT based gas leakage monitoring system which uses internet to warn the user about the leakage.

### 7. BEHAVIOUR BE

If the customer faces any issue with the system he can report it in the settings and after receiving the report the authorities will send an email to the customer regarding their response.

Identify strong TR & EM

### 3. TRIGGERS TR

For example, if there is petroleum refining industry which works with hazardous gases every day and is highly prone to leakages, this IOT based gas leakage monitor could act quickly to detect the leakage and notify the customer about the leakage.

### 4. EMOTIONS: BEFORE / AFTER EM

The customer would panic and be intimidated after detecting the leakage of a poisonous gas but it will be too late before the gas spreads throughout the facility. The best he can do is to evacuate the workers out of the facility.

### 10. YOUR SOLUTION SL

Our solution is to effectively and quickly detect the presence of a gas leakage and notify the customer about it through a web application. It will be faster and safer way and gives the customer sufficient amount of time to think about resolving the leakage.

### 8. CHANNELS OF BEHAVIOUR CH

#### 8.1 ONLINE

If it is in online mode, the customers can make a report in the helpsection present in the setting option.

#### 8.2 OFFLINE

If it is in offline mode, the customers can directly send a feedback either by in person to the manufacture or through phone call.

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Extract online & offline CH of BE