CH

# 뒩

### 1. CUSTOMER SEGMENT(S)

CS

J&P

i.e. working parents of 0-5 y.o. kids

Define

CS,

fit into

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Most of Industry workers who are engaged with gas related productions.

### 6. CUSTOMER CONSTRAINTS

What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.

- It has ability to detect wide range of gases. It is difficult to know failure.
- It measures toxic gases in very low concentrations.

### 5. AVAILABLE SOLUTIONS

AS

Which solutions are available to the customers when they face the problem

or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking

Testbenches, Quick connectors (They enable a fast and tight "Connection" also on non-round and cast surfaces).Leak tester are some of the available solutions.

### 2. JOBS-TO-BE-DONE / PROBLEMS

Which jobs-to-be-done (or problems) do you address for your

Flammable gas leakage may lead to secondary accident such as fire and explosion, while toxic gas dispersion mainly leads to poisioning casualties lead to death.

### 9. PROBLEM ROOT CAUSE

RC

What is the real reason that this problem exists? What is the back story behind the need to do this

> Behind this gas leakage problem there could be many reasons like atomic reactions between gas molecules, material's quality... etc. Even though customers have to do this job then only we can get our end products or needful chemical solutions.

### 7. BEHAVIOUR

What does your customer do to address the problem and get the job done? i.e. directly related: find the right solar panel installer, calculate usage and benefits;

Have a check of where it has the sense of Harmful gases such as H2S, Methane, and CO.

Will also check for temperature sensor that helps to detect the concentration of the gases present in the atmosphere to avoid hazardous consequences like fire breakouts

# 3. TRIGGERS

What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.

system as a mandatory precaution in every factory and industries like fire extinguisher

### 10. YOUR SOLUTION



8.1 ONLINE

What kind of actions do customers take online? Extract online channels from #7

Constitution should bring gas leakage indicating

If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.

If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.

We are planning to fit a sensor nearby the gas plants which will detect if there is any leak of gas. If there is

a gas leak then we will send a message to admin

department and also alarm will be set on so that the

workers can know about the leak and run into a safe

In online, user can monitor the each sensor and its rates, sensor like temperature, gas, humidity, oxygen level.

Also have the statistical report.

8. CHANNELS of BEHAVIOUR

## 4. EMOTIONS: BEFORE / AFTER

How do customers feel when they face a problem or a job and afterwards? i.e. lost, insecure > confident, in control - use it in your communication strategy & design.

While facing the problem people may get fatigue, dizziness, severe headache, loss of concentration, loss of consciousness. Afterwards people feel insecurity because of the health issues it's hard for them to lead a normal life.

### 8.2 OFFLINE

What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

The have to manually check the leakage of gases when the statistics changes.

Handling the critical situation should be taken care of the safety officers.

# EM

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