Focus on J&P, tap into BE, understa

1. CUSTOMER **SEGMENT(S)**



6. CUSTOMER CONSTRAINTS

What constraints prevent your customers from taking action

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5. AVAILABLE Which solutions are available to the customers when they face the problem



- Oil, Gas, Polymer Industries
- Hospitals
- Mining

Define CS, fit into

Chemical Industries

- ✓ Technical constraints
- ✓ Budget constraints

etwork connection, available devices

Existing systems provides constant monitoring and detection of gas leakage along with storage of data in database for predictions and analysis.

do these solutions have? i.e. pen and paper is an alternative to digital notetaking

The drawback of existing system's includes chance of malfunctioning of devices (i.e) when dust, steam, fog blocks the system, it will not be able to take measurements

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

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

J&P

9. PROBLEM ROOT CAUSE

What is the real reason that this problem exists? i.e. customers have to do it because of the change in regulations.

7. BEHAVIOUR

What does your customer do to address the problem and getthe job done? i.e. directly related: find the right solar panel installer, customers spend free time on volunteering work (i.e. Greenpeace)

Gas leakage is an important aspect to be noted as it cause major damage when ignored. It is important to raise an intimation when the gas level surpasses certain threshold value. Survey's state that in the Oil & gas industries, gas leakage problems occur frequently and lack of proper intimation at those situation leads to hazards. IOT can be utilized for efficient and easy monitoring of gas leakages on a continuous basis and from any distance.

Improper maintenance of the system and carelessness leads to gas leakage hazards. The following are few causes that paves way to gas leakage

- ✓ Unreliable metal-metal seals
- ✓ Improperly installed tube fittings
- ✓ Poor tubing selection preparation
- ✓ Calculate usage and benefits of the system
- ✓ Customer volunteer work
- Take initiative steps towards problem if any in case.

3. TRIGGERS

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



10. YOUR SOLUTION

What kind of solution suits Customer scenario the best? Adjust your solution to fit Customer behaviour, use Triggers, Channels & Emotions for marketing and communication.

This system is an industrial monitoring

8.1 ONLINE CHANNELS

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



- ✓ Need for safety of lives & environment
- Reviews from customers

is raised in the form of the buzzer. This system is also supported by an LCD to display the location of leakage, alert the gas.

✓ Stable internet connectivity required

- Check out for rescue measures
- ✓ Call emergency helplines

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&

Anxiety, phobic -> Decisive mindset, calm, confident

system designed using IOT. The gas sensor captures the information about gas levels and posts this into a data cloud. The sensor detects the leakage of gas under various atmospheric conditions. As soon as gas leakage is detected, the alarm observer, and activate the exhaust fan in the particular section to evacuate leaked

8.2 OFFLINE CHANNELS

Extract offline channels from box #7 Behaviour and use them



- - 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.
- ✓Open all windows doors during gas leakage
- ✓ Ensure that main electrical supply is turned off
- ✓ Keep in reach of first aid kit & extinguishers.

Define CS, fit into CL