Project Title: GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES   **Project Design Phase-I** - **Solution Fit Template**
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Define CS, fit into CC

Explore AS, differentiate

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

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

1. CUSTOMER SEGMENT(S)   CS

Who is your customer?

The industrialists who use gases for their manufacturing.

6. CUSTOMER CONSTRAINTS   CC

What constraints prevent your customers from acting or limit their choices of solutions?

High budget in installing other products make them to move far from modern technologies.

5. AVAILABLE SOLUTIONS

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?

Monitoring and controlling of the leakage could be done by the manpower. Even though manpower could reduce electricity cost and monitor properly, it may cause high risk for their life. There is also a cause of some errors due to manpower.

2. PROBLEMS   J&P

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

- Suffering from many losses due to gas leakage.
- Having no proper system for controlling or monitoring the leakage.
- Facing heavy budget problems in buying and installing a system for monitoring and controlling.

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 job?

When the workers failed to monitor properly, the gas can cause high risk to their health or the properties of the industry.

7. BEHAVIOUR   BE

What does your customer do to address the problem and get the job done?

Notice the gas level rise and do necessary activity.

3. TRIGGERS `TR`

What triggers customers to act? i

The heavy damages or higher health issues due to the toxic gases urges them to find out a solution as soon as they could possible.

4. EMOTIONS: BEFORE / AFTER `EM`

How do customers feel when they face a problem or a job and afterwards?

Before: The heavy losses due to the leakages made them feel of guilt due to reduced reputation of their products.

After: Increased the level of confidence and feel secured

10. YOUR SOLUTION `SL`

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.

Develop an efficient system & an application that can monitor and alert the workers.

8. CHANNELS of BEHAVIOUR `CH`

ONLINE

What kind of actions do customers take online? Extract online channels from #7
With the help of social media

OFFLINE

What kind of actions do customers take offline?
Through newspaper advertisements.