Project Design Phase-I - Solution Fit Template

Project Title: Gas Leakage Monitoring and Alerting System

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Define CS, fit into CC

1. CUSTOMER SEGMENT(S)

CS

Who is your customer?
i.e. working parents of 0-5 y.o. kids

Market Segmentation By Product Type (Portable Gas Detectors & Fixed Gas Detectors); By Technology (Electrochemical, Infrared Imaging, Infrared Point, Ultrasonic, Semiconductor & Holographic); By Applications (Residential, Commercial Establishment & Industrial Application)

6. CUSTOMER CONSTRAINTS

CC

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.

Conducting routine leak detection inspections to a facility can help prevent unexpected incidents, avoid uncalled expenses, reduce air pollution, and ensure workers are not overly exposed to toxic gases and emissions

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

Real-time gas monitors can overcome delayed response times to such gas leaks. Hence, multiple gas monitors can be placed strategically across any potential source for early gas leak detection it will be implemented

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS

J&P

Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.

In case of critical situation . We are trying to reduce the gas leakage by notifying people in zones and specifying alternative routes to used for emergency purposes

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?
i.e. customers have to do it because of the change in regulations.

While exposure to low levels of natural gas is not harmful, long-term exposure can affect your health. Burning natural gas produces nitrogen oxide, carbon monoxide, and methane. These chemicals can trigger respiratory problems, depression, and decrease the quality of your health.

7. BEHAVIOUR

BE

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; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

Feedback from customer to developers to improve the features of cloud services

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

3. TRIGGERS

TR

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

Using the cloud services after hearing the reviews and learning about the efficiency and how useful is it.

4. EMOTIONS: BEFORE / AFTER

EM

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.

Before : should check the gas leaks or not, once it has forgotten dangerous for workers and manufacturing sites.

After : It detects and monitor the gas leakage will clarify and feeling safe.

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 behavior.

This application is developed to notify workers by SMS alert and buzzer beep sound in emergency areas to responsible person for preparatory safety calculation to reduce gas leaks. The customer takes preventive measures and need to stay in particular area and their destinations

8. CHANNELS of Behavior

CH

8.1 ONLINE

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

8.2 OFFLINE

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

Customer will report in case of any issues or incorrect information and also specify any additional features if required .

Identify strong TR & EM