Problem-Solution fit canvas 2.0

Gas Leakage Monitoring and Alerting System

1. CUSTOMER SEGMENT(S) — CS

Who is your customer?

- Home appliances
- Customers

6. CUSTOMER CONSTRAINTS — CC

What constraints prevent your customers from taking action orlimit their choices of solutions?

The test methods are taken and given quantity of sensors this IoT based system was successfully in sensing gas leakage.

5. AVAILABLE SOLUTIONS — AS

Which solutions are available to the customers when they face the problemor need to get the job done? What have they tried inthe past?What pros & cons do these solutions have?

The leakage is detected and stopped within seconds, after leakage starts. The leakage is detected and controlled by means exhaust fan. and it may or may not affordable.

Explore AS, differentiate

Focus on J&P, tap into

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

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

Among its many duties, the Gas leakage monitoring and alerting system the data which is received through sensors are not stable or more than threshold it will predict that there is leakage situation.

9. PROBLEM ROOT CAUSE — RC

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

Leaks of LPG gas into the atmosphere are especially harmful due to their global warming potential. Leaks of gases associated with the industrial operations and equipment are also generally known as fugitive emissions.

7. BEHAVIOUR — BE

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

As a teacher, the IOT cloud updates the leakage on the condition of the gas on a regular basis.

Focus on J&P, tap int

Identify strong TR & EM

3. TRIGGERS — TR

What triggers customers to act? i.e. seeing their neighbour installing

The features that added in Gas leakage and monitoring that is the sensor detect the leakage of the gas and the volume of gas present in the cylinder.

4. EMOTIONS: BEFORE / AFTER — EM

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

Clients will feel better after selecting the gas leakage and monitoring system and they will follow the techniques used.

10. YOUR SOLUTION — SL

This system is that the leakage is detected and stopped within seconds after the leakage starts. This system can detect even0.001% of leakage, the leakage is detected and controlled by using semiconductor sensors and IoT.

8. CHANNELS of BEHAVIOUR — CH

3.1 ONLINE

What kind of actions do customers take online?

The departments can receive direct emails or messages from customers.

3.2 What kind of actions do customers take offline?

Following safety rules like Turn off the gas supply and put your safety on. Avoid using lighters and igniting any sort of fire and open the windows and doors to get enough supply of air wjile gas leakage.

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