 IoT Based on Gas leakage monitoring and altering system for industries

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| **Deﬁne CS, ﬁt into CC** | **1. CUSTOMER SEGMENT(S) CS**  **Who is your customer?**  **According to our problem statement, industries are our customers**. | **6. CUSTOMER CONSTRAINTS CC**  **What constraints prevent your customers from taking action or limit their choices of solutions?**  **Our gas leakage detection would work both offline and online. Online it is available on all smart devices. Offline it is available only via SMS.** | **5. AVAILABLE SOLUTIONS AS**  **Which solutions are available to the customers when they face a problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have?**  **When the notification option is not working then the buzzer sound helps to warn the customer.** | **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 address for your customers?**  **The gas leakage application requires quite a number of jobs such as, should maintain the exact location and it should notify the customer whether their industry is facing any gas leakage or not.** | **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?**  **If there is no internet connection there would be a share of information from one person to another via SMS and GPS would be of no use in the absence of a network connection due to these flaws the problem exists. The world functions with the help of networks it will monitor and execute the exact location of gas leakage in an internet connection.** | **7. BEHAVIOUR BE**  **What does your customer do to address the problem and get the job done?**  **The customer could get help from the help**  **option in the settings of the application and if they are facing any issues they can make a report in that option and the authorities would look into the problem.** | **Focus on J&P, tap into** |
| **Identify strong TR & EM** | **3. TRIGGERS TR**  **What triggers customers to act? i.e. seeing their neighbor installing**  **For Example: if there are n number of employees working in an industry then the industry must have gas leakage monitoring and altering application in order to prevent and secure employees and the industry from explosions caused by gas leakage.** | **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.**  **Our Solution to the gas leakage problem is to create a gas leakage monitoring and altering system to observe the gas leakage’s exact location. It will be more secure for working customers to watch over their industries**. | 1. **CHANNELS of BEHAVIOUR CH**     1. **ONLINE**   **What kind of actions do customers take online?**  **If in any area gas leakage is detected the admins will be notified along with the location.**   * 1. **OFFLINE**   **What kind of actions do customers take offline?**  **If it is in offline mode if any area gas leakage is detected the admins will be notified via SMS.** |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  **How do customers feel when they face a problem or a job afterward?**  **The customers would feel anxious at first then they would try to think of a solution to solve it themselves.** |

**Extract online & ofﬂine CH of BE**

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