

Problem-Solution fit canvas 2.0

Purpose / Vision

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|-------------------------|--|--|---|-----------------------------------|
| Define CS, fit into | 1. CUSTOMER SEGMENT(S) CS <p>Industries are the end customers because the Gas Leakage monitoring and Alerting systems are used to detect the leakage of gas in industries and to prevent the industrial injury.</p> | 6. CUSTOMER CC <p>In order to monitor and indicate the leakage of gases which cause gas explosion such as Bhopal tragedy various health issue for human beings by breathing of the leakage toxic gases and also causes atmospheric pollution.</p> | 5. AVAILABLE SOLUTIONS AS <p>gas leakage in the machinery is possible when their a fault in the machinery ,to avoid this before the process is carried out through machines a high pressure should be passed through the machines if any leak is present the pressure gas will come out through that leakage part.</p> | Explore AS, |
| | 2. JOBS-TO-BE-DONE / PROBLEMS J&P <p>Non- availability of actions to ensure the service of machineries as per the given period of time and the reverse osmosis process is carried out. Once before the gas is released it should be undergone several methods to remove the toxic present in the gas</p> | 9. PROBLEM ROOT CAUSE RC <p>Gas leakage leads to various accidents resulting in both material loss and human injuries. The Risk of explosion, firing, suffocation are based on their physical properties such toxicity, flammability etc. The reason of such Explosion is due to substandard cylinders, old valves, worn out regulators and lack of awareness in handling</p> | 7. BEHAVIOUR BE <p>Customers will address the problems to the government and they will assign a project to product developing companies, those companies will develop a project and finish as a product. The end product will sell to the customers by the Government.</p> | |
| Identify strong TR & EM | 3. TRIGGERS TR <p>The gas detector can sound an alarm to operators in the area where the leak is occurring giving them the opportunity to leave. This kind of device is very important because their may many gases that are harmful to organic life</p> | 10. YOUR SOLUTION SL <p>This system will not only able to detect the leakage of gas but also alerting through audible alarms. Presence of excess amounts of harmful gases in environment then this system can notify the user. System consists of gas detector sensors, Arduino board, ESP8266 and Cloud server</p> | 8. CHANNELS of BEHAVIOUR CH 8.1 ONLINE <p>Through the company official website they can share the queries in their customer satisfaction section and can also individually express through their personal rating options which in turns convey as feedback to the end user.</p> 8.2 OFFLINE <p>If they buy the product by in person then they can convey directly to the product directing manager through who they have contract and can convey their problem even in a more efficient way.</p> | Extract online & offline CH of BE |
| | 4. EMOTIONS: BEFORE / AFTER EM <p>BEFORE : When they face a problem, they feel insecure,Discomfort, confused and lose their confident. They don't know what to do next and how to overcome this problem. AFTER : Afterwards they address the problem to the government and get the product for their problem from the government. This end product will regain their confidence, gives comfortness , happiness and feels gratitude towards it</p> | | | |

