

Project Design Phase-I - Solution Fit Template

Project Title: Gas leakage monitoring and alerting sytem in industries

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Define CS, fit into CS	1.CUSTOMER SEGMENT(S): CS The government, neighbouring community, public, industrial activists has been identified.	6. CUSTOMER CONSTRAINTS The biggest threat in gas leakage monitoring and alerting system is security.	5. AVAILABLE SOLUTIONS AS Gas monitors can overcome delayed response times to such gas leaks. Hence, multiple gas monitors can be placed for early gas leak detection. Mapping of such gas leaks in industrial zones can help the safety in charge to take timely actions.	Explore AS, differen
	2.PAIN / PROBLEMS: J&P High levels of natural gas exposure can cause natural gas poisoning which is characterized by <ul style="list-style-type: none">☹ Fatigue☹ Severe headaches☹ Memory problems☹ Nausea☹ Loss of concentration☹ Loss of consciousness☹ Suffocation	9. PROBLEM ROOT CAUSE RC Gas leakage occurs mainly due to <ul style="list-style-type: none">☹ Poor maintenance of equipments☹ Inadequate awareness of people	7. BEHAVIOUR BE <small>What does your customer do to address the problem and get the job done?</small> Safety is the foremost aspect in today's world. In this world of technology, people need technology to help them in danger conditions. Gas leakage becomes a severe issue that results in many accidents which lead to mortal and monetary harm.	
Focus on J&P, tap into BE, understand RC	3. TRIGGERS TR Leakage is detected using MQ-2 gas sensor. If any leakage happens you will alerted by a buzzer and SMS.	10. YOUR SOLUTION SL <ul style="list-style-type: none">☹ Perform regular inspections.☹ Install gas leakage detection kit in industries.	8. CHANNELS of BEHAVIOUR CH ONLINE: May be they go for advance technologies. OFFLINE: Listen to alarm sound	Focus on J&P, tap into BE, understand RC

<div data-bbox="147 60 479 89">4. EMOTIONS: BEFORE / AFTER</div> <div data-bbox="719 60 763 89">EM</div> <div data-bbox="168 113 275 142">BEFORE:</div> <div data-bbox="147 143 801 199"><p>Before solving problem they are in frustration, anger, tension, low confidence, thinking about the problem and solutions.</p></div> <div data-bbox="168 231 259 260">AFTER:</div> <div data-bbox="147 261 748 317"><p>After the problem is solved they are happy, getting more confidence and getting ideas.</p></div>		
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