

# Project Design Phase-I - Solution Fit

**Project Title:** Gas Leakage Monitoring and Alerting System **Team ID:**PNT2022TMID47518

Define CS, fit into CC	CS	CC	AS
	<p><b>1. CUSTOMER SEGMENT(S)</b></p> <p>Most of the Industry workers are Engaged with gases related production.</p>	<p><b>6. CUSTOMER CONSTRAINTS</b></p> <p>It measures a toxic gases in very low concentrations has ability to detect wide level of gas.</p>	<p><b>5. AVAILABLE SOLUTIONS</b></p> <p>Real time gas monitors can overcome delayed response times to such gas leaks. Test benches, quick connectors, leak tester, are some of the available solutions.</p>

Explore AS and Differentiate

**2. JOBS-TO-BE-DONE / PROBLEMS****J&P**

Once before the gas is released it should be undergone several methods to remove the toxic present in gas. The gas level is rises above a certain level , it is important to raise an alarm. IOT can be used to continuously monitoring gas leaks on a large scale from a great distances.

**9. PROBLEM ROOT CAUSE****RC**

Burning natural gas produces nitrogen oxide, carbon monoxide, and methane. Even though we get our end products or useful chemical solutions.

**7. BEHAVIOUR****BE**

Calculate usage and benefits of the system. The end product will sell to the customers by the project clients. And the customer volunteer work is must.

<b>3. TRIGGERS</b>  This kind of device is very important because there may be many gases that are harmful to organic life. Reviews or feedback from workers.	TR	<b>10. YOUR SOLUTION</b>  This application is developed to notify workers by SMS alert and buzzer beep sound in emergency areas. Alarm will be set on so that the workers can know about the leak and run into a safe place.	SL	<b>8. CHANNELS OF BEHAVIOUR</b>  <b>Online</b> Using the social medias for publish.	CH
<b>4. EMOTIONS: BEFORE / AFTER</b>  <b>Before</b> When they face a problem to feel discomfort , confused.  <b>After</b> The endpoint will regain their confidence, gives happiness and feels gratitude towards it.	EM			<b>Offline</b> <ul style="list-style-type: none"><li>• TV advertisements</li><li>• Give a Booklets.</li></ul>	Identity strong TR & EM