

## Project Design Phase-I - Solution Fit Template

<b>Project Title</b>	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
<b>Team ID</b>	PNT2022TMID24189

Define CS, fit into CL	<b>1. CUSTOMER SEGMENT(S)</b> <span style="float: right; background-color: #d1ecf1; padding: 2px;">CS</span>	<b>6. CUSTOMER LIMITATIONS</b> <small>EG. BUDGET, DEVICES</small> <span style="float: right; background-color: #d1ecf1; padding: 2px;">CL</span>	<b>5. AVAILABLE SOLUTIONS</b> <small>PLUSES &amp; MINUSES</small> <span style="float: right; background-color: #d1ecf1; padding: 2px;">AS</span>	Explore AS, differentiate
	<p>The industrialists who use gases for their manufacturing.</p>	<p>High budget in installing other products make them to move far from modern technologies.</p>	<p>The monitoring and controlling of the leakage could be done by the manpower. Even though man power could reduce electricity cost and monitor properly, it may cause high risk for their life. There is also a cause of some errors due to manpower.</p>	
Focus on PR, tap into BE, understand RC	<b>2. PROBLEMS / PAINS</b> <small>ITS FREQUENCY</small> <span style="float: right; background-color: #fff3cd; padding: 2px;">PR</span>	<b>9. PROBLEM ROOT / CAUSE</b> <span style="float: right; background-color: #fff3cd; padding: 2px;">RC</span>	<b>7. BEHAVIOR</b> <small>ITS INTENSITY</small> <span style="float: right; background-color: #fff3cd; padding: 2px;">BE</span>	Focus on PR, tap into BE, understand RC
	<ul style="list-style-type: none"> <li>Suffering from many losses due to gas leakage.</li> <li>Having no proper system for controlling or monitoring the leakage.</li> <li>Facing heavy budget problems in buying and installing a system for monitoring and controlling.</li> </ul>	<p>When the workers failed to monitor properly, the gas can cause high risk to their health or the properties of the industry.</p>	<ul style="list-style-type: none"> <li>Using manpower as the source of monitoring the leakage causes high hazards.</li> <li>If the gas leaked is heavily toxic, there is a chance of causing hereditary health issues too.</li> </ul>	
Identify strong TR & EM	<b>3. TRIGGERS TO ACT</b> <span style="float: right; background-color: #d4edda; padding: 2px;">TR</span>	<b>10. YOUR SOLUTION</b> <span style="float: right; background-color: #d4edda; padding: 2px;">SL</span>	<b>8. CHANNELS of BEHAVIOR</b> <span style="float: right; background-color: #d4edda; padding: 2px;">CH</span>	Extract online & offline CH of BE
	<p>The heavy damages or higher health issues due to the toxic gases urges them to find out a solution as soon as they could possible.</p>		<p>Develop an efficient system &amp; an application that can monitor and alert the workers.</p>	
<b>4. EMOTIONS</b> <small>BEFORE / AFTER</small> <span style="float: right; background-color: #d4edda; padding: 2px;">EM</span>				
<p><b>Before:</b> The heavy losses due to the leakages made them feel of guilt due to reduced reputation of their products.</p> <p><b>After:</b> Increased the level of confidence and feel secured</p>		<p><b>OFFLINE</b></p> <p>Through newspaper advertisements.</p>		

