

Solution Fit Template

Project Title: Industry-specific intelligent fire management system

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Define CS, fit into CC

1. CUSTOMER SEGMENT(S)

CS

- Factories, Public buildings, Schools, Offices, Hospitals, industries that are prone to fire and gas leak accidents.

5. AVAILABLE SOLUTIONS

AS

- Sensors to detect industrial accidents.
- Buzzers to alert workers.
- Proper installation, good maintenance should be changed.

8. CHANNELS OF BEHAVIOUR

CH

ONLINE:

Software in which emergency alarm message come should be maintained properly.

OFFLINE:

- Monitoring using sensors.
- Alerting with buzzers and LCD display.

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS

J&P

- Send alert message to customers and nearby fire stations.
- Trigger water sprinklers during fire accidents.
- Trigger exhaust fans during gas leakage.

6. CUSTOMER

CC

- Lack of money for frequent servicing the equipment.
- Lack of awareness.
- Requires Frequent maintenance.

9. PROBLEM Root and CAUSE

RC

- Presence of flammable substance in the industry and carelessness of the workers involved leads to fire accidents.

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM	3. TRIGGER TR <ul style="list-style-type: none"> Witnessing loss of life and property in the industry due to fire and gas leakage accidents. 	7. BEHAVIOUR BE <ul style="list-style-type: none"> User should do proper testing after complete Installation. Test temperature, gas, and flame sensors behavior once the system is installed. 	10. YOUR SOLUTION SL <ul style="list-style-type: none"> The system employs different integrated detectors, such as heat, smoke, and flame. The signals from those detectors go through the system algorithm to check the fire's potentiality. Finally, the main feature of the system is to minimize false alarms, which, in turn, makes this system more reliable. To get real-life data without putting human lives in danger, an IoT technology has been implemented to provide the fire department with the necessary data. 	Identify strong TR & EM
	4: Emotions:Before/after EM <p>BEFORE: leads to may losses in terms of financial.</p> <p>AFTER: Relieved due to immediate response to industrial accidents.</p>			