

Solution Fit Template

Project Title: Industry-specific intelligent fire management system

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Define CS, fit into CC

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

1. CUSTOMER SEGMENTS CS

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

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5. AVAILABLE SOLUTIONS AS

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

A

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.

CO

Explore AS, differentiate

2. SHOULD-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.

JOB

6. CUSTOMER CONSTRAINTS CC

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

CO

9. PROBLEM ROOT CAUSE RC

- P*resence 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

Identity strong TR & EM	<p>3. IGGERS IR</p> <ul style="list-style-type: none"> Witnessing loss of life and property in the industry due to fire and gas leakage accidents. <p>4. EMOTIONS: BEFORE / AFTER M</p> <p>BEFORE: leads to may losses in terms of financial. AFTER: Relieved due to immediate response to industrial accidents.</p>	<p>7. BEHAVIOUR BE</p> <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. 	<p>10. OUR SOLUTION ST</p> <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.
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