

PROBLEM SOLUTION - FIT

1. CUSTOMER SEGMENT(S)

- Industries
- Domestic purpose
- Hotels

2. CUSTOMER CONSTRAINTS

Not suitable for areas where CO and CO₂ are present abundantly.

Prone to false alarms.

Blinded by thick smoke, vapours, grease and oil deposits on the detector's window.

Space constraints.

3. TRIGGERS

The increased awareness among public regarding the adverse effects of gas leakage during recent times has triggered the public in installing gas leakage detection and alerting system

4. JOBS TO-BE-DONE / PROBLEMS

- Faster Detection of gas leakage compared to conventional systems.
- Alerting system over the Internet.
- Accident Prevention.

5. ROOT CAUSE

Poor Ventilation.

Carbon dioxide, along with natural and propane gas, can leak in the home.

Malfunctioned exhaust fans.

Carbon monoxide can also leak into the home if the chimney is clogged.

6. BEHAVIOUR

When the customer requires the system, we will first visit the place and check if the place suits our requirements.

If the place is suitable for installation, we will then give a demo of our service.

If the customer is satisfied with our demo, then we will install the system.



7. SOLUTION

If in any area gas leakage is detected the admins will be notified along with the location.

In the web application, admins can view the sensor parameters.

The parameters like hazardous gas levels, fire, humidity, and temperature data are published to the Watson IoT platform.

The device will subscribe to the commands from the application and take decisions accordingly to switch on the rainwater sprinkler in case of emergencies and sensor data is visualized in the Web Application.

