

Project Design Phase 1- Solution Fit

TEAM ID: PNT2022TMID31382

1. CUSTOMER SEGMENT(S) Gas & Oil sector, Chemical Industries, Wastewater treatment, Semiconductor manufacturing, Mining Industries.	5. CUSTOMER LIMITATIONS No real time updates and alerts about leakage with location, only one gas can be measured with each instrument.	8. AVAILABLE SOLUTION(S) Provides alert by means of Alarm.
2. PROBLEMS / PAINS Health issues like breathing difficulties, Fire accident, Financial loss.	6. PROBLEM ROOT / CAUSE Faulty pipeline, Poor ventilation, Fuel Pressure regulator issues, Fitting and connection issues.	9. BEHAVIOR Less response time, only one particular gas can be detected.
3. TRIGGERS TO ACT Monitoring 24/7 , High sensitivity, Emergency action, User friendly interface	7. SOLUTION Provides real time updates and alerts about leakage with location to the website. Detection of temperature and humidity. Emergency actions like water sprinkler is used.	10. CHANNELS OF BEHAVIOR Social media platforms like YouTube, Instagram and Facebook.
4. EMOTIONS Before - Risk of financial loss and human life. After - No risk of financial loss and human life.		

