# 1. CUSTOMER SEGMENT(S)

## 6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES

# 5. AVAILABLE SOLUTIONS PLUSES & MINUSES

Most of the industry workers are engaged with gas related productions

- It work only when at 5V power supply is given.
- Its sensitivity depends on humidity and temperature.
- Put off all flames, lamps, incense sticks and etc.
- put the safety cap back on the cylinder.

#### 2. PROBLEMS / PAINS

S FREQUENCY

### 9. PROBLEM ROOT / CAUSE

RC



- Burning natural gas produces Nitrogen oxide, Carbon monoxide, Methane.
- This chemicals can trigger respiratory problems, depression, decrease the quality of your health
- ✓ Carbon dioxide along with natural and propan gas, can leak in the home.
- ✓ Due to poor ventilation or malfunctioned exhausted fans.
- ✓ Carbon monoxide can also leak into the home chimney is cloqued.

#### 7. BEHAVIOR + ITS INTENSITY



- If there is a gas leak in the home a person may notice the smell of sulphur or rotten eggs.
- A hissing or whistling sound near a gas line.
- A white cloud or dust cloud near a gas line.

# 3. TRIGGERS TO ACT

If leak is indoors, open all windows and doors, to disperse the gas. *In the case of cylinders, disconnect* the cylinder and move it outdoors to an open area.

# 10. YOUR SOLUTION Improved monitoring technology and science.

8. CHANNELS of BEHAVIOR An unusual noise from your



- The trade group representing natural gas utilities.
- from piping or connections may also indicate a gas leak.
  - A gas leak may also be detected unusual flame behavior at an appliance burner. Although rare, a fire in or near a gas appliance or pipe is also signs of a leak.

appliance, or a hissing sound

4. EMOTIONS BEFORE / AFTER

EM

other common health issues like the stomach flu, headache, sore throat or simply being tired. These symptoms include:Dizziness. Eve and throat irritation

That may lead to further emissions reductions.

