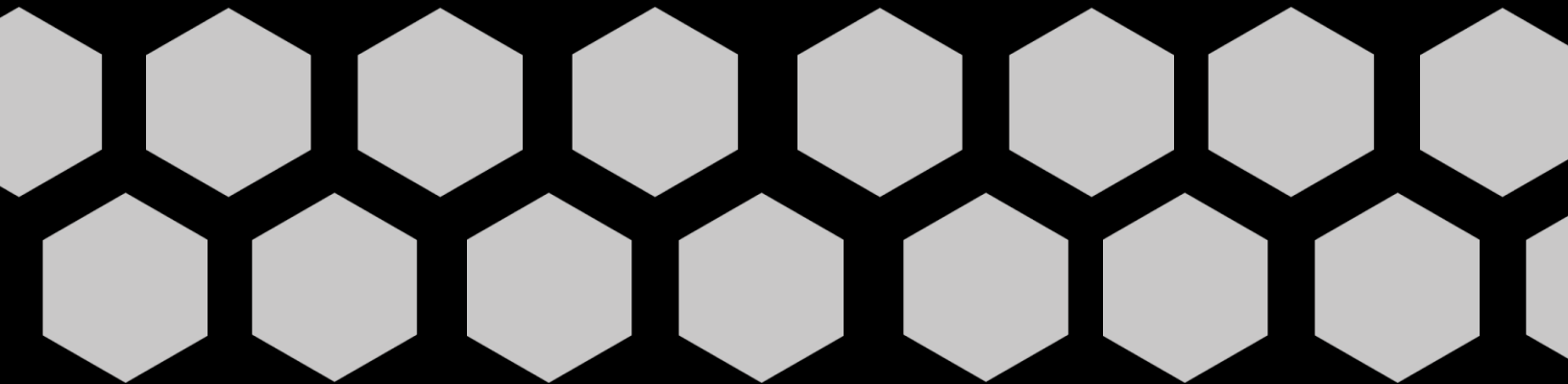




Air Alert





Gas Kills

This is why:

Carbon monoxide (amongst others) are silent killers. It is completely odorless and is released when burning any type of fossil fuel such as paraffin, wood or even candles, (which are commonly relied upon for cooking, heat, and light in low-income areas). Carbon monoxide has been closely linked with lung diseases such as COPD (which often results in death within weeks or months) and in severe cases with very high CO concentrations immediate death. We set out to solve this issue, by creating a low-cost powerful gas sensor for use in informal settlements.

The device:



Detects 5 dangerous gases

CO, NH₃, CO₂, Benzene, NO_x



Long Battery Life

Using custom low-power firmware and power control.



Built-in Alarm

Loud siren in the case of dangerous gas levels.

Progress:

6 iterations Phase one of testing 30% cost reduction

Next: Complete final design with new sensor chip and release product.
