# Third eye
## - IOT solution for Anosmia
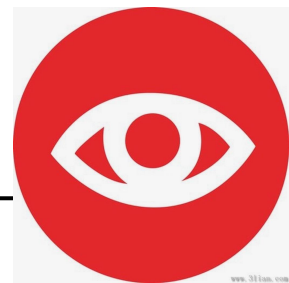
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# Fire Hazard

| | | Trend | |
|---|---|---|---|
| **Fires** | **1,298,000** in 2014 | -22.7% from 2005 | ↓ |
| **Deaths** | **3,275** in 2014 | -11.7% from 2005 | ↓ |
| **Injuries** | **15,775** in 2014 | -7.9% from 2005 | ↓ |
| **$ Loss** | **$11.6 billion** in 2014 | -21.0% * from 2005 | ↓ |

# Fire Hazard

- One to 2 percent of the North American population have problems with smell
- **2 million people** in the United States suffer from some degree of loss of smell
- Nasal congestion from a cold, allergy, sinus infection, or poor air quality is the most common cause of anosmia
- Our story to create this product is a personal one
  - We are all residents of California
  - Recent California wildfires caused US economy 85 billion dollars
    - Human Negligence - smoking, arson, campfire
    - Accidents - faulty wiring
    - Smell disability or Anosmia
  - Zion and Zachary's Mom has hyposmia
  - In 2015 they were homeless for 4-5 months after a kitchen fire

# Fire hazard solutions

- Someone notices and calls fire department
- Fire extinguisher
  - Know how to use
- Smoke alarm
- Carbon monoxide alarm
    - Non configurable
    - Does not alert people not in house
    - Not a solution for fire in backyards
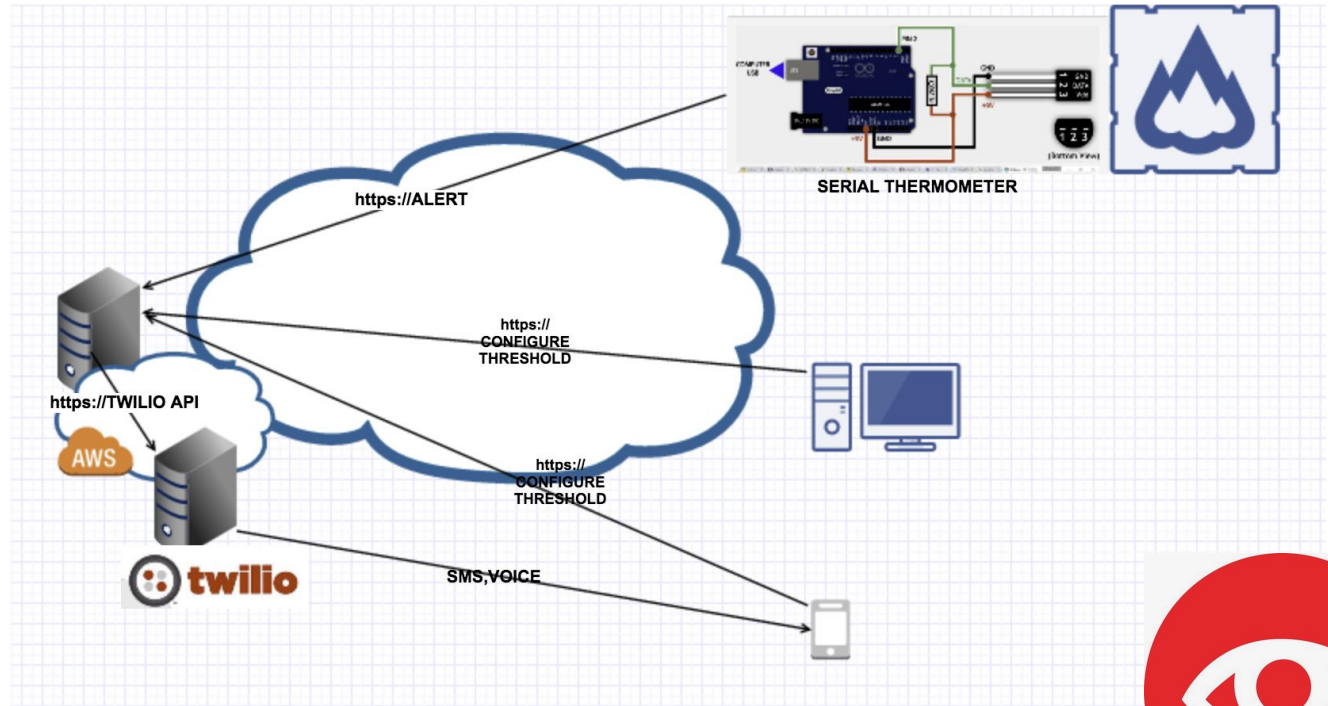- All products expect a human element to work well

# Is there a smart(er) solution?

- High time for a self healing product in kitchens and forested areas
  - Connected & reactive product
  - Reduces or eliminates human intervention
  - Alerts sound/voice
  - Alerts fire department , alerts relatives
  - Smoke and temperature monitoring
  - Connects surroundings with solutions
  - Connects home with solutions
    - Ideal Solution:
    - Smart Product(Temperature & Smoke sensor) -->exceeds threshold -->alerts/starts smart sprinkler->Smart Product(Temperature & Smoke sensor) --> below threshold-->stops smart sprinkler/alerts
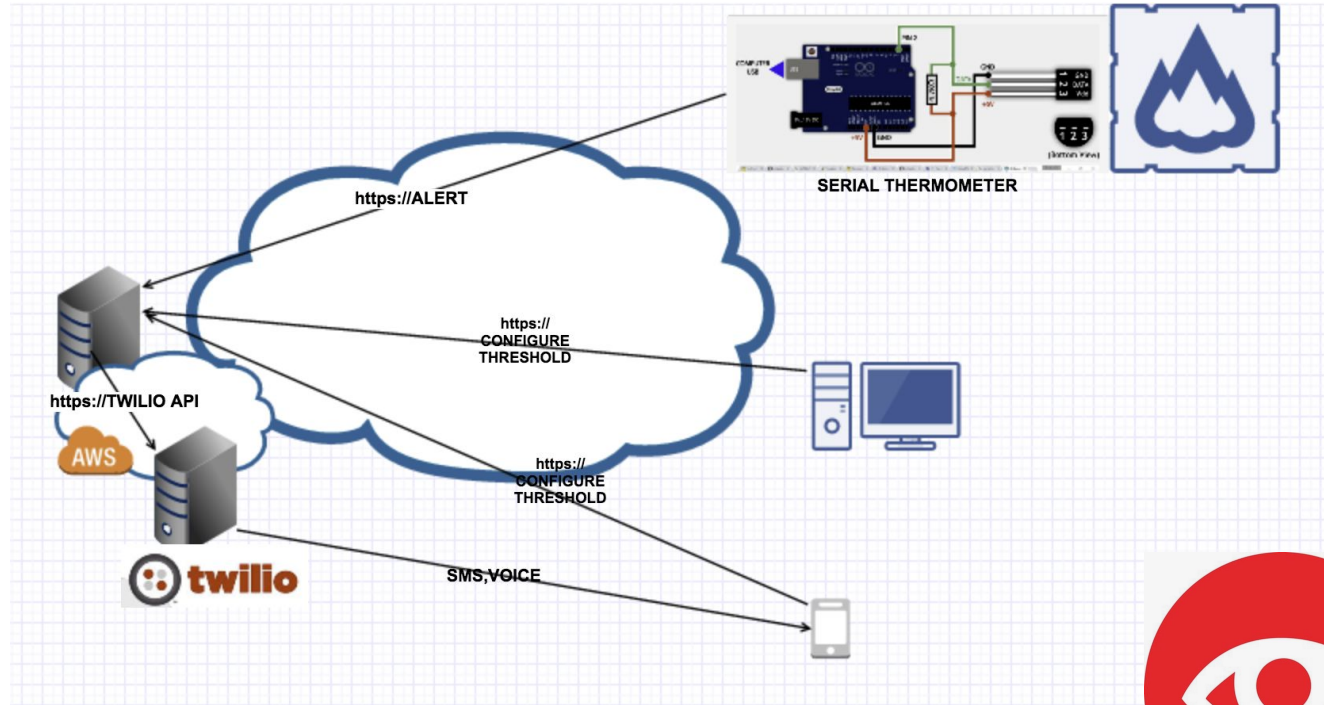
# Third eye - Smart IOT solution

# Third eye - demo

# Third eye - questions?

# References

- https://www.nidcd.nih.gov/health/statistics/quick-statistics-taste-smell
- http://www.instructables.com/id/How-To-Make-Arduino-Thermometer-With-DS18B20/